DRAFT

Initial Study/Mitigated Negative Declaration

Marcos Specific Plan Project

JULY 2023

Prepared for:

CITY OF SAN MARCOS
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Acronyms and Abbreviations

Acronym/Abbreviation	Definition
AB	Assembly Bill
ADT	average daily traffic
BMP	best management practice
CAAQS	California Ambient Air Quality Standards
CalEEMod	California Emissions Estimator Model
Caltrans	California Department of Transportation
CAP	Climate Action Plan
CARB	California Air Resources Board
CDFW	California Department of Fish and Wildlife
CEQA	California Environmental Quality Act
City	City of San Marcos
CNEL	community noise equivalent level
CO	carbon monoxide
County	County of San Diego
CRHR	California Register of Historical Resources
CRPR	California Rare Plant Rank
dBA	A-weighted decibel
DEHQ	Department of Environmental Health and Quality
EDCO	EDCO Waste and Recycling
EIR	environmental impact report
EO	Executive Order
ESA	environmental site assessment
EV	electric vehicle
GHG	greenhouse gas
HVAC	heating, ventilation, and air conditioning
I	Interstate
ips	inches per second
IS	initial study
kBtu	kilo-British thermal unit
kWh	kilowatt-hour
L_{eq}	energy equivalent level
LOS	level of service
LTA	Local Transportation Analysis
LUST	leaking underground storage tank
MERV	minimum efficiency reporting value
MGD	million gallons per day
MHCP	Multiple Habitat Conservation Program
MM	Mitigation Measure
MND	mitigated negative declaration
MRF	Meadowlark Water Reclamation Facility

Acronym/Abbreviation	Definition
MWD	Metropolitan Water District of Southern California
NAAQS	National Ambient Air Quality Standards
NO_2	nitrogen dioxide
NO_x	oxides of nitrogen
NRHP	National Register of Historic Places
O_3	ozone
OHWM	ordinary high water mark
PM_{10}	particulate matter less than or equal to 10 microns in diameter
$PM_{2.5}$	particulate matter less than or equal to 2.5 microns in diameter
PPV	peak particle velocity
PV	photovoltaic
project	Marcos Specific Plan Project
RAQS	Regional Air Quality Strategy
RTP	Regional Transportation Plan
RWQCB	Regional Water Quality Control Board
SANDAG	San Diego Association of Governments
SB	Senate Bill
SCIC	South Coastal Information Center
SCS	Sustainable Communities Strategy
SDAB	San Diego Air Basin
SDAPCD	San Diego Air Pollution Control District
sf	square foot
SIP	State Implementation Plan
SMFD	San Marcos Fire Department
SMP	soil management plan
SMUSD	San Marcos Unified School District
SO_x	sulfur oxide
SR	State Route
SWQMP	Storm Water Quality Management Plan
TAC	toxic air contaminant
TCA	Traditionally and Culturally Affiliated
TCR	Tribal Cultural Resource
TIAG	Transportation Impact Analysis Guidelines
USACE	U.S. Army Corps of Engineers
UWMP	Urban Water Management Plan
VMT	vehicle miles traveled
VOC	volatile organic compound
VWD	Vallecitos Water District
WQIP	Water Quality Improvement Plan

1 Introduction

1.1 Project Overview

The proposed Marcos Specific Plan Project (project) includes a request for approval of a Specific Plan, General Plan Amendment, Rezone, Site Development Plan, Multi-Family Site Development Plan, Conditional Use Permit, Tentative Subdivision Map, and a Tentative Parcel Map for a residential mixed-use development project within the 12.06-acre Specific Plan Area. The General Plan Amendment and Rezone would change the General Plan designation and Zoning from Commercial (C) to Specific Plan Area (SPA). The Marcos Specific Plan (Appendix A) has been prepared with the intent to provide a comprehensive plan to ensure the efficient development of a multi-land use development. The Specific Plan serves as both a policy document and a regulatory document for the systematic implementation of the policies and goals of the General Plan.

The project site is located at the northwest corner of Grand Avenue and Linda Vista Drive in the City of San Marcos (City) (Assessor's Parcel Numbers 219-152-42, 219-152-44, 219-152-45, 219-152-51, 219-152-61, 219-152-70, 219-152-74, 219-152-75, 219-152-76, 219-152-77, 219-152-78, and 219-152-79). Please refer to Figure 1, Project Location, and Figure 2, Project Site. The existing project site has been previously disturbed and developed. Previous structures on-site have been demolished, and the site currently is vacant with remaining paved areas, billboards, and the bridge crossing over Las Posas Creek. Channel improvement work associated with the segment of Las Posas Creek that runs through the project site, and the associated bridge over the channel, was previously permitted by the City, and the channel is currently subject to restoration maintenance activities following channel improvements within the permitted conservation easement area. The project site is located in an urban area of the City surrounded by commercial and industrial uses to the north, east, and west, as well as undeveloped land to the south. The project site is located just south of State Route (SR) 78.

The project consists of construction of 102 multifamily residential units on 5.03 acres of the project site, and construction of 7,658 square feet (sf) of office space, 49,266 sf of specialty retail space and 7 live-work units on 6.05 acres of the project site (Figure 3, Illustrative Site Plan; Figure 4, Conceptual Site Plan). Residential units would be contained within 15 townhome buildings, and units would be a mix of six different unit types, ranging in size from two to three bedrooms. Additionally, the residential area would include a pool building, pool and spa area, barbeque area, picnic area, and play area for residents. The residential buildings would be located on the northwestern portion of the site, and commercial uses would be placed along the southern and eastern project boundaries. Access to the residential area would be provided via Grand Avenue at a northern driveway, and access to the commercial area would be via Grand Avenue at a southern driveway and two driveways along Linda Vista Drive. The project would provide 204 garage parking spaces for residences, 34 residential guest parking spaces, and 278 commercial parking spaces. The project would install 1 level electric vehicle (EV) charger in each garage and 2 EV chargers in the guest parking area, totaling in 106 EV charging stations. Additionally, the commercial component of the project would include 6,200 sf of solar.

The project would also include circulation improvements, such as construction of a landscape buffer and a Class I bike path with a separate pedestrian path adjacent to it at its project frontage along the segments of Linda Vista Drive and Grand Avenue, installation of stop signs, and reconstruction of curb ramps located along project driveways, including detectable surface warning tactiles (yellow truncated domes).

1.2 California Environmental Quality Act Compliance

The City is the lead California Environmental Quality Act (CEQA) agency responsible for the review and approval of the proposed project. Based on the findings of the initial study (IS), the City has made the determination that a mitigated negative declaration (MND) is the appropriate environmental document to be prepared in compliance with CEQA (California Public Resources Code, Section 21000 et seq.). As stated in CEQA Section 21064.5, an MND may be prepared for a project subject to CEQA when an IS has identified no potentially significant effects on the environment.

This draft IS/MND has been prepared by the City as lead agency and is in conformance with Section 15070(a) of the CEQA Guidelines (14 CCR 15000 et seq.). The purpose of the MND and the IS Checklist is to determine any potentially significant impacts associated with the proposed project and to incorporate mitigation measures into the project design, as necessary, to reduce or eliminate the significant or potentially significant effects of the project.

1.3 Public Review Process

In accordance with CEQA, a good faith effort has been made during the preparation of this IS/MND to contact affected agencies, organizations, and persons who may have an interest in this project.

In reviewing the IS/MND, affected public agencies and the interested public should focus on the sufficiency of the document in identifying and analyzing the project's possible impacts on the environment. The Draft IS/MND and related documents are available for review on City's website (https://www.san-marcos.net/departments/development-services/planning/environmental-review-sustainability/environmental-documents).

Comments on the IS/MND may be made in writing before the end of the public review period. Following the close of the public comment period, the City will consider this IS/MND and comments thereto in determining whether to approve the proposed project.

Written comments on the IS/MND should be sent to the following address by August 14, 2023.

City of San Marcos
Planning Division
1 Civic Center Drive
San Marcos, California 92069
Contact: Chris Garcia
Email: cgarcia@san-marcos.net

1.4 Initial Study Checklist

Dudek, under the City's guidance, prepared the project's Environmental Checklist (i.e., IS) per CEQA Guidelines Sections 15063–15065. The CEQA Guidelines include a suggested checklist to indicate whether a project would have an adverse impact on the environment. The checklist is found in Section 2 of this document. Following the Environmental Checklist, Sections 2.1 through 2.21 include an explanation and discussion of each significance determination made in the checklist for the project.

For this IS/MND, the following four possible responses to each individual environmental issue area are included in the checklist:

1. Potentially Significant Impact
2. Less-than-Significant Impact with Mitigation Incorporated
3. Less-than-Significant Impact
4. No Impact

The checklist and accompanying explanation of checklist responses provide the information and analysis necessary to assess relative environmental impacts of the project. In doing so, the City will determine the extent of additional environmental review, if any, for the project.

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2 Initial Study Checklist

1. **Project title:**

   Marcos Specific Plan Project

2. **Lead agency name and address:**

   City of San Marcos
   Development Services Department, Planning Division
   1 Civic Center Drive
   San Marcos, California 92069

3. **Contact person and phone number:**

   Chris Garcia, Senior Planner
   760.744.1050, ext. 3237

4. **Project location:**

   The project site is located at the northwest corner of Grand Avenue and Linda Vista Drive in the City (Assessor's Parcel Numbers 219-152-42, 219-152-44, 219-152-45, 219-152-51, 219-152-61, 219-152-70, 219-152-74, 219-152-75, 219-152-76, 219-152-77, 219-152-78, 219-152-79). Please refer to Figures 1 and 2.

5. **Project sponsor's name and address:**

   AOA San Marcos LLC
   709 Randolph Avenue
   Costa Mesa, California 92629

6. **General plan designation:**

   The existing General Plan land use designation for the project site is Commercial (C). The project proposes a General Plan Amendment to change the existing General Plan designation to Specific Plan Area (SPA).

7. **Zoning:**

   The existing zoning for the project site is Commercial (C). The project proposes a Rezone to change the existing zoning to Specific Plan Area (SPA).

8. **Description of project. (Describe the whole action involved, including but not limited to later phases of the project, and any secondary, support, or off-site features necessary for its implementation. Attach additional sheets if necessary):**

   The proposed Marcos Specific Plan Area consists of 12.06 acres, which is separated into three distinct Planning Areas divided by the Las Posas Creek Planning Area, which is a 0.98-acre city-owned parcel within a Conservation Easement included in the Specific Plan Area. The East-End Planning Area (6.05 acres) and

the West-End Planning Area (5.03 acres) make up the other two Planning Areas within the Specific Plan Area, and make up a combined 11.07 acres of proposed development area. The 6.05-acre East-End Planning Area is located on the east portion of the Specific Plan Area and is considered an innovative arts-focused commercial, live-work, makerspace, and retail development area. This portion of the project would include 7 live-work units, 7,658 sf of office space, and 49,266 sf of specialty retail space.

The West-End Planning Area is approximately 5.03 acres and is located on the west portion of the Specific Plan Area and would include a multifamily land use of approximately 20.3 dwelling units per acre. This portion of the Planning Area includes 102 multifamily dwelling units in 15 separate buildings ranging in composition from 4 units per building to 10 units per building. Floor plans within each building would consist of stacked flat, townhomes and carriage-style unit plans. All floor plans would have two-car direct access garages with 24 units providing tandem parking to maximize the site. A total of 34 guest parking spaces would be distributed throughout the site for the convenience of the residents. As part of this portion of the Planning Area, there would be approximately 80,767-sf of common open space area including recreational amenities such as a pool, BBQ area, walking path adjacent to Las Posas Creek, and other amenities spread throughout the Planning Area. Individual units would have the benefit of private open space ranging from 95-sf to 255-sf with a total of 14,899-sf of private open space provided throughout the West-End Planning Area dwelling units. Buildings would be oriented to increase open space with paseos serving as interior courtyards as well as facing Las Posas Creek to take advantage of the vegetation along the creek (Figures 3 and 4).

The project proposes contemporary and modern architectural and landscape styles to reflect the urban setting. The Planning Areas would be designed to engage users and residents via an interconnected series of landscaped spaces and walkways within each respective Planning Area. In conformance with the City's Water Efficient Landscape Ordinance, a variety of trees, shrubs, plants, and land covers would be planted in the landscaped areas proposed throughout the project site. Refer to Figures 5a and 5b for the conceptual landscaping plans. A bridge currently spans the restored creek, which would link the proposed retail, commercial, and residential Planning Areas as well as provide pedestrian and emergency vehicle access. There is no development proposed within the creek, which would remain protected by a conservation easement.

Access to the residential area would be provided via Grand Avenue at a northern driveway, and access to the commercial area would be via Grand Avenue at a southern driveway and two driveways along Linda Vista Drive. The project would provide 204 garage parking spaces for residences, 34 residential guest parking spaces, and 278 commercial parking spaces. The project would also install 1 level EV charger in each garage, and 2 EV chargers in the guest parking area, totaling in 106 EV charging stations. The project would also include circulation improvements, such as construction of a landscape buffer and a Class I bike path with a separate pedestrian path adjacent to it at its project frontage along the segments of Linda Vista Drive and Grand Avenue, installation of stop signs, and reconstruction of curb ramps located along project driveways, including detectable surface warning tactiles (yellow truncated domes).

The proposed project includes a request for approval of a Specific Plan, General Plan Amendment, Rezone, Site Development Plan, Multi-Family Site Development Plan, Conditional Use Permit, Tentative Subdivision Map, and a Tentative Parcel Map. The General Plan Amendment and Rezone would change the General Plan designation and Zoning from Commercial (C) to Specific Plan Area (SPA). The Marcos Specific Plan (Appendix A) has been prepared with the intent to provide a comprehensive plan to ensure the efficient

development of a multi-land use development. The Specific Plan serves as both a policy document and a regulatory document for the systematic implementation of the policies and goals of the General Plan.

9. Surrounding land uses and setting: Briefly describe the project's surroundings:

The existing project site has been previously disturbed, developed, and demolished, and is currently vacant with remaining paved pad areas and billboards. The project site is located in an urban area of the City surrounded by developed areas, including commercial and industrial uses to the north, east, and west, as well as undeveloped land to the south.

10. Other public agencies whose approval is required (e.g., permits, financing approval, or participation agreement):

Permits were previously obtained for the creek restoration, channel widening and associated site improvements back in 2010/2011, including Section 401 Water Quality Certification from the Regional Water Quality Control Board (RWQCB), an Operation of Law Letter for a Section 1602 Lake and Streambed Alteration Agreement from the California Department of Fish and Wildlife (CDFW), and a stacked Nationwide Permit 14, 27, and 33 from the U.S. Army Corps of Engineers (USACE). The project would also include Department of Environmental Health and Quality (DEHQ) review, which is further detailed in Section 2.9, Hazards and Hazardous Materials. The project would not include any development within the creek area/conservation easement, and no additional agency permits are anticipated for the proposed project.

11. Have California Native American tribes traditionally and culturally affiliated with the project area requested consultation pursuant to Public Resources Code section 21080.3.1? If so, is there a plan for consultation that includes, for example, the determination of significance of impacts to tribal cultural resources, procedures regarding confidentiality, etc.?

Yes, in compliance with Assembly Bill (AB) 52 and Senate Bill (SB) 18, the City, as lead agency, is responsible for conducting government to government consultation with pertinent tribal entities. Additional details are provided in Section 2.18, Tribal Cultural Resources.

Environmental Factors Potentially Affected

The environmental factors checked below would be potentially affected by this project, involving at least one impact that is a "Potentially Significant Impact," as indicated by the checklist on the following pages.

☐ Aesthetics	☐ Agriculture and Forestry Resources	☐ Air Quality
☒ Biological Resources	☒ Cultural Resources	☐ Energy
☒ Geology and Soils	☐ Greenhouse Gas Emissions	☒ Hazards and Hazardous Materials
☐ Hydrology and Water Quality	☐ Land Use and Planning	☐ Mineral Resources
☐ Noise	☐ Population and Housing	☐ Public Services
☐ Recreation	☒ Transportation	☒ Tribal Cultural Resources
☐ Utilities and Service Systems	☐ Wildfire	☐ Mandatory Findings of Significance

Determination (To be completed by the Lead Agency)

On the basis of this initial evaluation:

☐ I find that the proposed project COULD NOT have a significant effect on the environment, and a NEGATIVE DECLARATION will be prepared.

☒ I find that although the proposed project could have a significant effect on the environment, there will not be a significant effect in this case because revisions in the project have been made by or agreed to by the project proponent. A MITIGATED NEGATIVE DECLARATION will be prepared.

☐ I find that the proposed project MAY have a significant effect on the environment, and an ENVIRONMENTAL IMPACT REPORT is required.

☐ I find that the proposed project MAY have a "potentially significant impact" or "potentially significant unless mitigated" impact on the environment, but at least one effect (1) has been adequately analyzed in an earlier document pursuant to applicable legal standards, and (2) has been addressed by mitigation measures based on the earlier analysis as described on attached sheets. An ENVIRONMENTAL IMPACT REPORT is required, but it must analyze only the effects that remain to be addressed.

☐ I find that although the proposed project could have a significant effect on the environment, because all potentially significant effects (a) have been analyzed adequately in an earlier ENVIRONMENTAL IMPACT REPORT or NEGATIVE DECLARATION pursuant to applicable standards, and (b) have been avoided or mitigated pursuant to that earlier ENVIRONMENTAL IMPACT REPORT or NEGATIVE DECLARATION, including revisions or mitigation measures that are imposed upon the proposed project, nothing further is required.

Chris Garcia Digitally signed by Chris Garcia
Date: 2023.07.03 11:38:39 -07'00'

Signature Date

Evaluation of Environmental Impacts

1. A brief explanation is required for all answers except "No Impact" answers that are adequately supported by the information sources a lead agency cites in the parentheses following each question. A "No Impact" answer is adequately supported if the referenced information sources show that the impact simply does not apply to projects like the one involved (e.g., the project falls outside a fault rupture zone). A "No Impact" answer should be explained where it is based on project-specific factors as well as general standards (e.g., the project would not expose sensitive receptors to pollutants, based on a project-specific screening analysis).
2. All answers must take account of the whole action involved, including off-site as well as on-site, cumulative as well as project-level, indirect as well as direct, and construction as well as operational impacts.
3. Once the lead agency has determined that a particular physical impact may occur, then the checklist answers must indicate whether the impact is potentially significant, less than significant with mitigation, or less than significant. "Potentially Significant Impact" is appropriate if there is substantial evidence that an effect may be significant. If there are one or more "Potentially Significant Impact" entries when the determination is made, an Environmental Impact Report (EIR) is required.
4. "Less Than Significant Impact With Mitigation Incorporated" applies where the incorporation of mitigation measures has reduced an effect from "Potentially Significant Impact" to a "Less Than Significant Impact." The lead agency must describe the mitigation measures, and briefly explain how they reduce the effect to a less than significant level.
5. Earlier analyses may be used where, pursuant to the tiering, program EIR, or other CEQA process, an effect has been adequately analyzed in an earlier EIR or negative declaration. Section 15063(c)(3)(D). In this case, a brief discussion should identify the following:
    a. Earlier Analysis Used. Identify and state where they are available for review.
    b. Impacts Adequately Addressed. Identify which effects from the above checklist were within the scope of and adequately analyzed in an earlier document pursuant to applicable legal standards, and state whether such effects were addressed by mitigation measures based on the earlier analysis.
    c. Mitigation Measures. For effects that are "Less Than Significant With Mitigation Measures Incorporated," describe the mitigation measures which were incorporated or refined from the earlier document and the extent to which they address site-specific conditions for the project.
6. Lead agencies are encouraged to incorporate into the checklist references to information sources for potential impacts (e.g., general plans, zoning ordinances). Reference to a previously prepared or outside document should, where appropriate, include a reference to the page or pages where the statement is substantiated.
7. Supporting Information Sources: A source list should be attached, and other sources used, or individuals contacted should be cited in the discussion.
8. This is only a suggested form, and lead agencies are free to use different formats; however, lead agencies should normally address the questions from this checklist that are relevant to a project's environmental effects in whatever format is selected.
9. The explanation of each issue should identify:
    a. the significance criteria or Threshold, if any, used to evaluate each question; and
    b. the mitigation measure identified, if any, to reduce the impact to less than significance

2.1 Aesthetics

		Potentially Significant Impact	Less Than Significant Impact With Mitigation Incorporated	Less Than Significant Impact	No Impact
I.	**AESTHETICS** – Except as provided in Public Resources Code Section 21099, would the project**:**				
a)	Have a substantial adverse effect on a scenic vista?	☐	☐	☒	☐
b)	Substantially damage scenic resources, including, but not limited to, trees, rock outcroppings, and historic buildings within a state scenic highway?	☐	☐	☒	☐
c)	In non-urbanized areas, substantially degrade the existing visual character or quality of public views of the site and its surroundings? (Public views are those that are experienced from publicly accessible vantage point). If the project is in an urbanized area, would the project conflict with applicable zoning and other regulations governing scenic quality?	☐	☐	☒	☐
d)	Create a new source of substantial light or glare which would adversely affect day or nighttime views in the area?	☐	☐	☒	☐

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

Less-than-Significant Impact. A scenic vista is typically defined as a public view of highly valued visual and scenic resources such as the ocean and distant mountain ranges, particularly from public vantage points. As discussed in the General Plan environmental impact report(EIR), hillside and ridgeline areas visible throughout the City, as viewed from the SR-78 corridor and other locations such as parks and scenic roads, are considered valuable. The nearest officially designated state scenic highway is SR-78. SR-78 is a designated state scenic highway from the west boundary of the Anza-Borrego Desert State Park to the east boundary of the State Park. SR-78 is located approximately 0.03 miles north of the project site; however, the portion designated as a state scenic highway begins approximately 41 miles east of the project site. The project site is located approximately 25 miles west of the closest portion of SR-78 identified as an eligible state scenic highway. The City's General Plan does not identify any designated scenic vistas; however, the General Plan more generally aims to protect the City's scenic resources such as the San Marcos, Merriam, and Double Peak Mountains, creek corridors, mature trees, rock outcroppings, and ocean views. The project site and surrounding valley terrain are encompassed by mountains to the west and south that provide opportunities for elevated vantage points offering long and broad views, which may include views of the project site. However, due to the relatively flat terrain of the project site and surrounding area, and the project site's location on a currently developed site in an urbanized area, development of the proposed project is not expected to impede views of existing scenic vistas, nor is the project site considered a scenic vista. Therefore, impacts associated with scenic vistas would be less than significant.

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

Less-than-Significant Impact. Scenic highways and routes are a unique component of the circulation system, as they traverse areas of unusual scenic or aesthetic value. The nearest eligible state scenic highway is Interstate (I) 5. I-5 is located approximately 8 miles west of the project site and is not visible due to distance. SR-78 is located approximately 100 feet north of the project site. However, the section of SR-78 proximate to the project site is not identified as a Scenic Highway per the California Department of Transportation (Caltrans) State Scenic Highways Program. Additionally, a portion of SR-78 is also identified as an eligible state scenic highway; however, this eligible segment begins approximately 25 miles east of the project site in Santa Ysabel.

Although the project site is not located within a viewshed of a state scenic highway, the City has designated SR-78 as a view corridor to surrounding ridgelines (City of San Marcos 2012a). The project site is visible from SR-78; however, even with development of the proposed project, views of the surrounding hillsides and ridgelines are not expected to be substantially obstructed from SR-78 due to the flat nature of the site and similar surrounding development. Therefore, impacts associated with state scenic highways would be less than significant.

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

Less-than-Significant Impact. Section 21071 of the California Public Resources Code (i.e., CEQA) defines an "urbanized area" as "(a) an incorporated city that meets either of the following criteria: (1) Has a population of at least 100,000 persons, or (2) Has a population of less than 100,000 persons if the population of that city and not more than two contiguous incorporated cities combined equals at least 100,000 persons." Therefore, the City is located within an urbanized area as defined by CEQA.

To ensure that both current and future development within the City is designed and constructed to conform to existing visual character and quality of the surrounding built environment, the City's Municipal Code includes design standards, specific to each Zoning District, related to building height, parking, landscaping requirements, and other visual considerations. The purpose is to regulate and restrict the uses of buildings and structures, and to encourage the most appropriate use of land. The project would be subject to design review by the City and would be required to meet the City's conditions of approval, which will ensure that proposed structures and landscaping would be consistent with the City's General Plan and Municipal Code. Therefore, implementation of the proposed project consistent with the development standards in the City's Municipal Code, as required by the City's conditions of approval and as reviewed as part of the plan check process, would not substantially degrade the existing visual character or quality of the site or its surroundings or result in significant visual impacts.

Additionally, development of the project would be consistent with surrounding development and would not degrade the existing visual character of the project site and its surroundings. The visual character of the site would be altered by the proposed project, as it would change the existing demolished and vacant site into a mixed-use residential development. While the proposed project would change the existing visual character on the site, it is not characterized as substantial degradation since few public vantage points of the project site exist

and the site is surrounded by adjacent development, including commercial and industrial uses to the north, east, and west, as well as undeveloped land to the south in a highly urbanized area of the City. Although the proposed mixed-use residential uses would differ in land use designation and visual character in comparison to the previous commercial development on-site, the proposed mixed-use residential development would conform to the existing urbanized character of the surrounding area and would not substantially change the views from any public viewpoint. With City approval of the proposed land use and zoning change from Commercial (C) to Specific Plan Area (SPA), the proposed project would be required to comply with design standards of the approved Specific Plan for the project site. With approval of the proposed Specific Plan for the project site, impacts would be less than significant.

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

Less-than-Significant Impact. Lighting in the project vicinity is associated with roadway lighting and lighting associated with the existing commercial and industrial uses that surround the project site. Development of the proposed project would result in new sources of light from the residential units, commercial uses, landscaping lighting, security lighting, and internal circulation and pedestrian lighting. Although more light sources are anticipated from the proposed project in comparison to existing conditions, the increase in lighting is not expected to be substantial, seeing as the site was previously developed with commercial uses and is surrounded by lighting associated with adjacent development and roadways. Additionally, all lighting associated with the project would be required to comply with the City's Municipal Code Section 20.300.080, Light and Glare Standards. Although the proposed project would result in new sources of light in the area, the project site is in an urbanized area and is surrounded by existing development with existing sources of day and nighttime lighting. The use of energy-efficient, architecturally appropriate fixtures created to alleviate glare, conflict, and light pollution would be incorporated to minimize and restrict nighttime light pollution and light trespass on adjacent properties in compliance with the City's Municipal Code and the proposed Marcos Specific Plan design and development standards.

Implementation of the proposed project could potentially include sources of glare from architectural finishes or amenities on-site. The project developer would be required by the City's Municipal Code Section 20.300.080, Light and Glare Standards, to minimize use of reflective building materials and finishes, as well as reflective lighting structures and metallic surfaces to the extent feasible to impede any potential-generated glare. The project would not propose any features that would be characterized as creating a substantial new source of glare that would adversely affect daytime or nighttime views in the area. Therefore, impacts associated with light and glare would be less than significant.

2.2 Agriculture and Forestry Resources

		Potentially Significant Impact	Less Than Significant Impact With Mitigation Incorporated	Less Than Significant Impact	No Impact
II.	**AGRICULTURE AND FORESTRY RESOURCES** – In determining whether impacts to agricultural resources are significant environmental effects, lead agencies may refer to the California Agricultural Land Evaluation and Site Assessment Model (1997) prepared by the California Dept. Conservation as an optional model to use in assessing impacts on agriculture and farmland. In determining whether impacts to forest resources, including timberland, are significant environmental effects, lead agencies may refer to information compiled by the California Department of Forestry and Fire Protection regarding the state's inventory of forest land, including the Forest and Range Assessment Project and the Forest Legacy Assessment project; and forest carbon measurement methodology provided in Forest Protocols adopted by the California Air Resources Board. Would the project:				
a)	Convert Prime Farmland, Unique Farmland, or Farmland of Statewide Importance (Farmland), as shown on the maps prepared pursuant to the Farmland Mapping and Monitoring Program of the California Resources Agency, to non-agricultural use?	☐	☐	☐	☒
b)	Conflict with existing zoning for agricultural use, or a Williamson Act contract?	☐	☐	☐	☒
c)	Conflict with existing zoning for, or cause rezoning of, forest land (as defined in Public Resources Code Section 12220(g)), timberland (as defined by Public Resources Code Section 4526), or timberland zoned Timberland Production (as defined by Government Code Section 51104(g))?	☐	☐	☐	☒
d)	Result in the loss of forest land or conversion of forest land to non-forest use?	☐	☐	☐	☒
e)	Involve other changes in the existing environment which, due to their location or nature, could result in conversion of Farmland, to non-agricultural use or conversion of forest land to non-forest use?	☐	☐	☐	☒

a) ***Would the project convert Prime Farmland, Unique Farmland, or Farmland of Statewide Importance (Farmland), as shown on the maps prepared pursuant to the Farmland Mapping and Monitoring Program of the California Resources Agency, to non-agricultural use?***

No Impact. The project site is designated as Urban and Built-Up Land by the California Department of Conservation Farmland Mapping and Monitoring Program (CDC 2016). As a result, the proposed project would not convert Prime Farmland, Unique Farmland, or Farmland of Statewide Importance to non-agricultural uses.

No Prime Farmland, Unique Farmland, nor Farmland of Statewide Importance exist within the immediate vicinity of the project site. The proposed project would not result in substantial changes that could result in the conversion of farmland to non-agricultural use. The proposed project site is surrounded entirely by developed land, with the exception of one vacant lot adjacent to the southeastern portion of the site. This vacant lot is designated as "Urban and Built-Up Land" by the CDC FMMP. Surrounding development adjacent to the project site include industrial, mixed-use, and commercial uses. Given the extent of development surrounding the proposed project site, and considering the site was previously developed, the proposed project would not result in the conversion of any existing farmland, and no impact would occur.

b) ***Would the project conflict with existing zoning for agricultural use, or a Williamson Act contract?***

No Impact. The project site is not zoned for agricultural use or designated as land under the Williamson Act, nor is the project site zoned for forest land or timberland production (CDC 2016). As stated in response to Threshold a) above, the project site has been previously disturbed and developed. Therefore, implementation of the proposed project would not result in the loss or conversion of forest land. No impact would occur regarding conflicts with existing zoning for agricultural use or forest land.

c) ***Would the project conflict with existing zoning for, or cause rezoning of, forest land (as defined in Public Resources Code Section 12220(g)), timberland (as defined by Public Resources Code Section 4526), or timberland zoned Timberland Production (as defined by Government Code Section 51104(g))?***

No Impact. Please see response to Threshold 2.2(a) and 2.2(b) above.

d) ***Would the project result in the loss of forest land or conversion of forest land to non-forest use?***

No Impact. Please see response to Threshold 2.2(a) and 2.2(b) above.

e) ***Would the project involve other changes in the existing environment which, due to their location or nature, could result in conversion of Farmland, to non-agricultural use or conversion of forest land to non-forest use?***

No Impact. Please see response to Threshold 2.2(a) and 2.2(b) above.

2.3 Air Quality

	Potentially Significant Impact	Less Than Significant Impact With Mitigation Incorporated	Less Than Significant Impact	No Impact
III. AIR QUALITY – Where available, the significance criteria established by the applicable air quality management district or air pollution control district may be relied upon to make the following determinations. Would the project:				
a) Conflict with or obstruct implementation of the applicable air quality plan?	☐	☐	☒	☐

	Potentially Significant Impact	Less Than Significant Impact With Mitigation Incorporated	Less Than Significant Impact	No Impact
b) Result in a cumulatively considerable net increase of any criteria pollutant for which the project region is non-attainment under an applicable federal or state ambient air quality standard?	☐	☐	☒	☐
c) Expose sensitive receptors to substantial pollutant concentrations?	☐	☐	☒	☐
d) Result in other emissions (such as those leading to odors) adversely affecting a substantial number of people?	☐	☐	☒	☐

An Air Quality and Greenhouse Gas Technical Report was prepared for the proposed project in December 2022 and is included as Appendix B to this IS/MND. Findings from Appendix B are summarized throughout this analysis.

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

Less-than-Significant Impact. The San Diego Air Pollution Control District (SDAPCD) is responsible for developing and implementing the clean air plans for attainment and maintenance of the ambient air quality standards in the basin—specifically, the State Implementation Plan (SIP) and Regional Air Quality Strategy (RAQS).[1] San Diego Association of Governments (SANDAG) is responsible for developing forecasts and data that are used by SDAPCD in preparing the SIP and RAQS. In November 2020, SDAPCD adopted the Air Quality Management Plan for attaining the federal 8-hour 75 parts per billion and 70 parts per billion ozone (O_3) standards (2020 Attainment Plan), which is the air basin's input to the SIP and required to demonstrate how SDACPD proposes to attain the federal O_3 standards. The plan anticipates attainment of the 2008 and 2015 National Ambient Air Quality Standards (NAAQS) standards by 2026 and 2032, respectively. The 2020 Attainment Plan includes planning requirements for attaining the O_3 NAAQS including on-road motor vehicle emissions budgets for transportation conformity, a vehicle miles traveled (VMT) offset demonstration, Reasonably Available Control Measures, Reasonable Further Progress, an Attainment Demonstration, and contingency measures in the event of a failure to meet a milestone or to attain by the predicted attainment date (SDAPCD 2020). The SIP and RAQS rely on information from California Air Resources Board (CARB) and SANDAG, including mobile and area source emissions as well as information regarding projected growth in the County of San Diego (County) as a whole and the cities in the County, to project future emissions and determine the strategies necessary for the reduction of emissions through regulatory controls. CARB mobile source emission projections and SANDAG growth projections are based on population, vehicle trends, and land use plans developed by the County and the cities in the County as part of the development of their General Plans.

[1] For this discussion, the relevant federal air quality plan is 2020 Plan for Attaining the National Ambient Air Quality Standards for Ozone in San Diego County (SDAPCD 2020). The RAQS is the applicable plan for purposes of State air quality planning. Both plans reflect growth projections in the basin.

While SDAPCD and the City do not provide guidance regarding the analysis of impacts associated with air quality plan conformance, the County's Guidelines for Determining Significance and Report and Format and Content Requirements – Air Quality does discuss conformance with the RAQS (County of San Diego 2007). The guidance indicates that, if the project, in conjunction with other projects, contributes to growth projections that would not exceed SANDAG's growth projections for the City, the project would not be in conflict with the RAQS (County of San Diego 2007). If a project includes development that is greater than that anticipated in the local plan and SANDAG's growth projections, the project might conflict with the SIP and RAQS and may contribute to a potentially significant cumulative impact on air quality.

The project site is designated as Commercial (C) in the City's General Plan and is zoned Commercial (C). The project proposes to redesignate the site to Specific Plan Area (SPA) and create a mixed-use development. The project would add a total of 102 townhomes and 7 live/work units along with specialty retail/commercial/office uses. The City's Commercial designation and zoning allows for a several permitted uses. A mixture of commercial retail and office was selected to reflect potential development on the project site. Based on the City's development code, the Commercial designation would allow for greater development intensity based on generation of more vehicle trips and VMT as shown in Table 9 (Development Intensity Comparison) of the Air Quality and Greenhouse Gas Technical Report (Appendix B to this EIR). As such, the project would result in less criteria air pollutant emissions, and thus less intensive uses, than development allowed under the existing Commercial designation.

SANDAG produces a Regional Growth Forecast, which is important for developing regional plans and strategies mandated by federal and state governments such as the Regional Transportation Plan (RTP)/Sustainable Communities Strategy (SCS), the Program EIR for the RTP/SCS, the Air Quality Management Plan, the Federal Transportation Improvement Program, and the Regional Housing Needs Assessment. The most recent RTP/SCS was adopted in December 2021 with a planning horizon of 2016 through 2050. The growth forecasts are appended to the RTP/SCS. Appendix F of the 2021 Regional Plan describes the trends in population, housing, and employment. The San Diego region is expected to grow by nearly 437,000 people and the growth in population will add about 440,000 jobs and more than 280,000 housing units (SANDAG 2021).

The forecast process includes two main phases. The first phase of the forecast is produced using California Department of Finance population projections and rates developed by SANDAG based on historic economic and demographic trends. The size and makeup of the working age population in the region and high labor force participation is used to project future job growth. The projected higher values in working age population, coupled with older residents staying in the labor force longer results in more jobs in the region by the end of the forecast period. Housing units and households in the region were forecasted based on rates developed from historical data as well as assumptions of housing unit development and household formation in the future. The second phase of the forecast allocates the forecasted growth down to the jurisdictions and smaller geographical areas. The subregional forecast distributes growth based on a variety of factors, including available capacity for housing and accessibility to jobs and transportation. SANDAG works with the region's 18 cities, the County, and other agencies that manage land use to understand local land use plans, such as general plans, community plans, and specific plans, as well as constraints to development and already permitted projects to develop the subregional projections for housing and employment. Table 10 in Appendix B shows the population, housing units, and employment projections for the City and the San Diego region for the 2021 Regional Plan.

As shown in Table 10 of Appendix B, the project is expected to add 329 residents in 109 dwelling units and 115 employment opportunities. The added residents would represent approximately 1.2% of the anticipated population growth, 1% of the housing growth, and 0.6% of the employment growth over the RTP/SCS planning horizon. Based on the above information, the increase in population and employment would be well within the growth projections.

Per CEQA Guideline Section 15206(b), the project would not be considered regionally significant because it would not have the potential to substantially affect housing, employment, or population projections within the San Diego region, which are the basis of the RAQS projections. As such, the project would not conflict with or obstruct implementation of the RAQS. Furthermore, the project would not result in substantial construction or operational emissions that would conflict with the local Air Quality plan, which is discussed further in Section 2.3(b). Therefore, implementation of the project would not conflict with the RAQS or SIP and proposed development would be consistent with the growth in the region, resulting in less-than-significant impacts.

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

Less-than-Significant Impact. Past, present, and future development projects may contribute to the San Diego Air Basin (SDAB) adverse air quality impacts on a cumulative basis. By its nature, air pollution is largely a cumulative impact. The nonattainment status of regional pollutants is a result of past and present development, and SDAPCD develops and implements plans for future attainment of ambient air quality standards. Based on these considerations, project-level Thresholds of significance for criteria pollutants are used in the determination of whether a project's individual emissions would have a cumulatively considerable contribution on air quality. If a project's emissions would exceed the applied significance Thresholds, it would have a cumulatively considerable contribution. Conversely, projects that do not exceed the project-specific Thresholds are generally not considered to be cumulatively significant.

Construction and operation of the project would result in emissions of criteria air pollutants, which may result in a cumulatively considerable net increase in emissions of criteria air pollutants for which the SDAB is designated as nonattainment under the NAAQS or the California Ambient Air Quality Standards (CAAQS). The SDAB has been designated as a federal nonattainment area for O_3 and a state nonattainment area for O_3, particulate matter less than or equal to 10 microns in diameter (PM_{10}), and particulate matter less than or equal to 2.5 microns in diameter ($PM_{2.5}$). The following discussion quantitatively evaluates potential short-term construction and long-term operational impacts that would result from implementation of the project.

Proposed construction activities would result in the temporary addition of pollutants to the local airshed caused by on-site sources (i.e., off-road construction equipment, soil disturbance, and volatile organic compound (VOC) off-gassing from architectural coatings and asphalt pavement application) and off-site sources (i.e., on-road haul trucks, delivery trucks, and worker vehicle trips). Construction emissions can vary substantially from day to day, depending on the level of activity, the specific type of operation, and for dust, the prevailing weather conditions. Therefore, such emissions levels can only be estimated, with a corresponding uncertainty in precise ambient air quality impacts.

Criteria air pollutant emissions associated with construction activity were quantified using the California Emissions Estimator Model (CalEEMod). Construction emissions were calculated for the estimated worst-case day over the construction period associated with each phase and reported as the maximum daily

emissions estimated during each year of construction (2024–2025). Construction schedule assumptions, including phase type, duration, and sequencing, were based on information provided by the applicant or CalEEMod defaults and are intended to represent a reasonable scenario based on the best information available. Oxides of nitrogen (NO_x) and carbon monoxide (CO) emissions would primarily result from the use of construction equipment and motor vehicles.

Fugitive dust (PM_{10} and $PM_{2.5}$) emissions would primarily result from grading and site preparation activities. The project would be required to comply with SDAPCD Rule 55, Fugitive Dust Control. This rule requires that the project take steps to restrict visible emissions of fugitive dust beyond the property line. Compliance with Rule 55 would limit fugitive dust (PM_{10} and $PM_{2.5}$) generated during grading and construction activities. To account for dust control measures in the calculations, it was assumed that the project would ensure that active sites be watered at least two times daily. The application of architectural coatings, such as exterior application/interior paint and other finishes would produce VOC emissions. The contractor would be required to comply with the requirements of SDAPCD's Rule 67.7, Cutback and Emulsified Asphalt, which would limit VOC emissions from asphalt off-gassing.

Table 11 in Appendix B presents the estimated maximum daily construction emissions generated during construction of the project. As shown in Table 11 of Appendix B, maximum daily construction emissions would not exceed the significance Thresholds for VOC, NO_x, CO, sulfur oxide (SO_x), PM_{10}, or $PM_{2.5}$ during construction; and short-term construction air quality impacts would be less than significant.

Operation of the project would generate VOC, NO_x, CO, SO_x, PM_{10}, and $PM_{2.5}$ emissions from mobile sources, including vehicular traffic generated by residents, employees, customers, and visitors; energy sources from natural gas usage; area sources, including the use of landscaping equipment, consumer products, natural gas hearths, and from architectural coatings. Pollutant emissions associated with long-term operations were quantified using CalEEMod using a combination of project-specific information and CalEEMod default values.

Table 12 in Appendix B presents the maximum area, energy, and mobile source emissions associated with project operation (year 2026) in summer. Table 13 in Appendix B presents the maximum area, energy, and mobile source emissions associated with project operation (year 2026) in winter. As shown in Tables 12 and 13 of Appendix B, maximum daily operational emissions from the project would not exceed the significance Thresholds for VOC, NO_x, CO, SO_x, PM_{10}, or $PM_{2.5}$; long-term air quality impacts would be less than significant.

As discussed in Appendix B, the SDAB has been designated as a federal nonattainment area for O_3 and a state nonattainment area for O_3, PM_{10}, and $PM_{2.5}$. The nonattainment status is the result of cumulative emissions from various sources of air pollutants and their precursors within the SDAB, including motor vehicles, off-road equipment, and commercial and industrial facilities. Construction and operation of the project would generate VOC and NO_x emissions (which are precursors to O_3) and emissions of PM_{10} and $PM_{2.5}$. However, as indicated in Tables 11, 12, and 13 of Appendix B, project-generated construction and operational emissions would not exceed the emission-based significance Thresholds for VOC, NO_x, CO, SO_x, PM_{10}, or $PM_{2.5}$.

Cumulative localized impacts would potentially occur if a construction project were to occur concurrently with another off-site project. Construction schedules for potential future projects near the project area are currently unknown; therefore, potential construction impacts associated with two or more simultaneous projects would be considered speculative. However, future projects would be subject to CEQA and would require air quality analysis and, where necessary, mitigation if the project would exceed applied Thresholds. Criteria air pollutant

emissions associated with construction activity of future projects would be reduced through implementation of control measures required by SDAPCD. For example, cumulative PM_{10} and $PM_{2.5}$ emissions would be reduced because all future projects would be subject to SDAPCD Rule 55 (Fugitive Dust), which sets forth general and specific requirements for all construction sites in the SDAB. In addition, cumulative VOC emissions would be subject to SDAPCD Rule 67.0.1 (Architectural Coatings).

Based on the project-generated construction and operational emissions of CO, SO_x, VOC, NO_x, PM_{10}, and $PM_{2.5}$, the project would not result in a cumulatively considerable increase in emissions of nonattainment pollutants. Therefore, the project's cumulative air quality impact would be less than significant.

c) Would the project expose sensitive receptors to substantial pollutant concentrations?

Less-than-Significant Impact. Notably, in the California Building Industry Association v. Bay Area Air Quality Management District case decided in 2015, the California Supreme Court held that CEQA does not generally require lead agencies to consider how existing environmental conditions might impact a project's occupants, except where the project would significantly exacerbate an existing environmental condition. Accordingly, the significance criteria above related to exposure of sensitive receptors to substantial pollutant concentrations is relevant only to the extent that the project exacerbates existing air quality conditions.

Air quality varies as a direct function of the quantity of pollutants emitted into the atmosphere, the size and topography of the air basin, and the prevailing meteorological conditions. Air quality problems arise when the rate of pollutant emissions exceeds the rate of dispersion. Reduced visibility, eye irritation, and adverse health impacts on those persons termed "sensitive receptors" are the most serious hazards of existing air quality conditions in the area. Some land uses are considered more sensitive to changes in air quality than others, depending on the population groups and the activities involved. People most likely to be affected by air pollution, as identified by CARB, include children, older adults, athletes, and people with cardiovascular and chronic respiratory diseases; however, for the purposes of this analysis, residents are also considered sensitive receptors. As such, sensitive receptors include residences, schools, playgrounds, childcare centers, athletic facilities, long-term healthcare facilities, rehabilitation centers, convalescent centers, and retirement homes. The nearest existing sensitive receptors are the Little People Preschool and Daycare located 707 feet south of the project's southern boundary. Other sensitive receptors include Mission Sports Park located 1,760 feet northeast of the project's northeastern boundary, multifamily residential uses located 2,020 feet southeast of the project's southern boundary and Bradley Park located 3,400 feet west of the project's western boundary.

Mobile source impacts occur on two scales of motion. Regionally, project-related travel would add to regional trip generation and increase the VMT within the local airshed and the SDAB. Locally, project generated traffic would be added to the roadway system near the project site. If such traffic occurs during periods of poor atmospheric ventilation, is composed of many vehicles "cold-started" and operating at pollution-inefficient speeds and is operating on roadways already crowded with non-project traffic, there is a potential for the formation of microscale CO hotspots in the area immediately around points of congested traffic. Because of continued improvement in vehicular emissions at a rate faster than the rate of vehicle growth and/or congestion, the potential for CO hotspots in the SDAB is steadily decreasing.

CO transport is extremely limited, and CO disperses rapidly with distance from the source. Under certain extreme meteorological conditions, however, CO concentrations near a congested roadway or intersection may reach unhealthy levels, affecting sensitive receptors such as residents, school children, hospital patients,

and the elderly. Typically, high CO concentrations are associated with urban roadways or intersections operating at an unacceptable level of service (LOS). Projects contributing to adverse traffic impacts may result in the formation of CO hotspots.

To verify that the project would not cause or contribute to a violation of the CO standards, a screening evaluation of the potential for CO hotspots was conducted using the County screening threshold of 3,000 peak trips (County of San Diego 2007). Based on the Transportation Impact Analysis prepared for the project (Appendix H), there would be approximately 126 trips during the AM peak-hour and 189 trips during the PM peak-hour, which would be minimal in comparison to the screening Threshold of 3,000 peak trips. Therefore, the project would not result in a CO hotspot and would result in a less-than-significant impact.

As determined in Section 2.3(b) of this report, project construction and operation would not exceed significance Thresholds for VOC, NO_x, CO, SO_x, $PM_{10,}$ or $PM_{2.5}$. VOCs and NO_x are precursors to O_3, for which the SDAB is designated as nonattainment with respect to the NAAQS and CAAQS. The health effects associated with O_3 are generally associated with reduced lung function. The contribution of VOCs and NO_x to regional ambient O_3 concentrations is the result of complex photochemistry. The increases in O_3 concentrations in the SDAB due to O_3 precursor emissions tend to be found downwind from the source location to allow time for the photochemical reactions to occur. However, the potential for exacerbating excessive O_3 concentrations would also depend on the time of year that the VOC emissions would occur because exceedances of the O_3 CAAQS/NAAQS tend to occur between April and October when solar radiation is highest. The holistic effect of a single project's emissions of O_3 precursors is speculative due to the lack of reliable and meaningful quantitative methods to assess this impact. The project would not exceed the significance Thresholds for VOC or NO_x; therefore, implementation of the project would contribute minimally to regional O_3 concentrations and the associated health effects.

In addition to O_3, NO_x emissions contribute to potential exceedances of the NAAQS and CAAQS for nitrogen dioxide (NO_2) (since NO_2 is a constituent of NO_x). Health effects that result from NO_2 and NO_x include respiratory irritation, which could be experienced by nearby receptors during the periods of heaviest use of off-road construction equipment. However, project construction would be relatively short term, and off-road construction equipment would be operating at various portions of the site and would not be concentrated in one portion of the site at any one time. In addition, as shown in Table 4 of Appendix B, CARB air quality monitoring shows existing NO_2 concentrations in the area are well below the NAAQS and CAAQS standards. Because project generated NO_x emissions would not exceed the significance Threshold, the project would not result in potential health effects associated with NO_2 and NO_x.

CO tends to be a localized impact associated with congested intersections. The associated potential for CO hotspots were discussed previously and were determined to be a less-than-significant impact. Furthermore, as shown in Table 4 of Appendix B, CARB air quality monitoring shows the existing CO concentrations in the area are well below the NAAQS and CAAQS standards. Thus, the project's CO emissions would not contribute to significant health effects associated with this pollutant.

Construction and operation of the project would also not exceed Thresholds for PM_{10} or $PM_{2.5}$ and would not contribute to exceedances of the NAAQS and CAAQS for particulate matter or would obstruct the SDAB from coming into attainment for these pollutants. Additionally, the project would implement dust control strategies and be required to comply with SDAPCD Rule 55, Fugitive Dust Control, which limits the amount of fugitive dust generated during construction. Due to the minimal contribution of particulate matter during construction and operation, the project is not anticipated to result in health effects associated with PM_{10} or $PM_{2.5}$.

In summary, the project would not result in any potentially significant contribution to local or regional concentrations of nonattainment pollutants and would not result in a significant contribution to the adverse health impacts associated with those pollutants. Impacts would be less than significant. Furthermore, there are numerous scientific and technological complexities associated with correlating criteria air pollutant emissions from an individual project to specific health effects or potential additional nonattainment days, and there are currently no modeling tools that could provide reliable and meaningful additional information regarding health effects from criteria air pollutants generated by individual projects.

In addition to impacts from criteria pollutants, project impacts may include emissions of pollutants identified by the state and federal government as toxic air contaminants (TACs) or hazardous air pollutants. State law has established the framework for California's TAC identification and control program, which is generally more stringent than the federal program and aimed at TACs that are a problem in California. The state has formally identified more than 200 substances as TACs, including the federal hazardous air pollutants, and is adopting appropriate control measures for sources of these TACs. The greatest potential for TAC emissions during construction would be diesel particulate emissions from heavy equipment operations and heavy-duty trucks and the associated health impacts to sensitive receptors. The following measures are required by state law to reduce diesel particulate matter emissions:

- Fleet owners of mobile construction equipment are subject to the CARB Regulation for In-use Off-road Diesel Vehicles (13 CCR 2449), the purpose of which is to reduce diesel particulate matter and criteria pollutant emissions from in-use (existing) off-road diesel-fueled vehicles.
- All commercial diesel vehicles are subject to Title 13, Section 2485 of the California Code of Regulations, limiting engine idling time. Idling of heavy-duty diesel construction equipment and trucks during loading and unloading shall be limited to 5 minutes; electric auxiliary power units should be used whenever possible.

Health effects from carcinogenic air toxics are usually described in terms of cancer risk. SDAPCD recommends an incremental cancer risk Threshold of 10 in a million (SDAPCD 2015). "Incremental cancer risk" is the net increased likelihood that a person continuously exposed to concentrations of TACs resulting from a project over a 9-, 30-, and 70-year exposure period will contract cancer based on the use of standard Office of Environmental Health Hazard Assessment risk-assessment methodology (OEHHA 2015).

As outlined in Appendix B, maximum daily PM_{10} or $PM_{2.5}$ emissions generated by construction equipment operation and haul-truck trips during construction, which is based on exhaust and fugitive dust generated by equipment operation and vehicle travel, would be well below the significance Thresholds. Moreover, total construction of the project would last approximately 15 months, after which project-construction TAC emissions would cease. Thus, the duration of the proposed construction activities would only constitute a small percentage of the total 30-year residential exposure period recommended by the Office of Environmental Health Hazard Assessment. Concentrations of mobile-source diesel particulate matter emissions are typically reduced by 70% at a distance of approximately 500 feet (CARB 2005). The nearest existing sensitive receptors are multifamily residential uses located 2,020 feet southeast of the project site. Therefore, construction would take place substantially farther than 500 feet from the nearest sensitive receptors. Due to the temporary nature of construction activities and the dispersive properties of diesel particulate matter, the nearest residential receptors would not be impacted regarding construction health risks. Regarding long-term TAC emissions, the project would result in a minimal increase in daily truck traffic on the roadway network and would not require stationary sources (such as diesel emergency generators).

Therefore, the exposure of project-related TAC emission impacts to proximate sensitive receptors would be less than significant.

The project itself would create sensitive receptors in the form of the new residences. The CARB identified sources of air pollution that are of primary concern to the siting of new sensitive receptors. Those sources include freeways, high traffic roadways, distribution centers, large stationary sources, etc. (CARB 2005). As a mixed-use development, the project would not be a source of TACs. The project is located near SR-78, which is a source of air pollution; however, the project would not exacerbate the surrounding existing conditions. As such, an evaluation of the environment's impact on the project is not required pursuant to CEQA. It should be noted that the Title 24 standards recognizing that indoor air pollution primarily from PM concentrations is a concern for development in California and have required the use of minimum efficiency reporting value (MERV) 13 filters. The American Society of Heating, Refrigerating, and Air-Conditioning Engineers reported that MERV 13 filters remove 90% of particles ranging from 1 to 3 microns, and less than 75% for particles ranging from 0.3 to 1 microns (ASHRAE 2019). The use of MERV 13 filters is a recognized best practice to reduce exposure to local air pollution (BAAQMD 2016).

In conclusion, the proposed project would not expose sensitive receptors to substantial pollutant concentrations, and impacts are determined to be less than significant.

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

Less-than-Significant Impact. Construction and operation of the project would result in various emissions; however, criteria air pollutants, fugitive dust, and TACs are addressed under Sections 2.3(b) and 2.3(c) above. As such, this impact analysis is focused on the potential for an odor impact to occur. The occurrence and severity of potential odor impacts depends on numerous factors. The nature, frequency, and intensity of the source; the wind speeds and direction; and the sensitivity of receiving location each contribute to the intensity of the impact. Although offensive odors seldom cause physical harm, they can be annoying and cause distress among the public and generate citizen complaints.

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

Land uses and industrial operations associated with odor complaints include agricultural uses, wastewater treatment plants, food processing plants, chemical plants, composting, refineries, landfills, dairies, and fiberglass molding. The project does not propose and would not engage in any of these activities or other potential activities that would generate operational odors. The project entails residential and commercial uses and would not create any new sources of substantial odors during operation. Therefore, impacts related to odors are determined to be less than significant.

2.4 Biological Resources

	Potentially Significant Impact	Less Than Significant Impact With Mitigation Incorporated	Less Than Significant Impact	No Impact
IV. BIOLOGICAL RESOURCES – Would the project:				
a) Have a substantial adverse effect, either directly or through habitat modifications, on any species identified as a candidate, sensitive, or special status species in local or regional plans, policies, or regulations, or by the California Department of Fish and Wildlife or U.S. Fish and Wildlife Service?	☐	☒	☐	☐
b) Have a substantial adverse effect on any riparian habitat or other sensitive natural community identified in local or regional plans, policies, regulations, or by the California Department of Fish and Wildlife or U.S. Fish and Wildlife Service?	☐	☒	☐	☐
c) Have a substantial adverse effect on state or federally protected wetlands (including, but not limited to, marsh, vernal pool, coastal, etc.) through direct removal, filling, hydrological interruption, or other means?	☐	☒	☐	☐
d) Interfere substantially with the movement of any native resident or migratory fish or wildlife species or with established native resident or migratory wildlife corridors, or impede the use of native wildlife nursery sites?	☐	☐	☒	☐
e) Conflict with any local policies or ordinances protecting biological resources, such as a tree preservation policy or ordinance?	☐	☐	☒	☐
f) Conflict with the provisions of an adopted Habitat Conservation Plan, Natural Community Conservation Plan, or other approved local, regional, or state habitat conservation plan?	☐	☒	☐	☐

A Biological Resources Memorandum was prepared for the proposed project in December 2022 and revised in March 2023 and is included as Appendix C to this IS/MND. Findings from Appendix C are summarized throughout this analysis. For the purpose of the analysis herein, the biological study area (study area) covers the approximately 11.07-acre project site, plus an additional 0.99-acre portion of Linda Vista Drive. The 12.06-acre study area boundary was determined using the boundaries of all involved parcels for the proposed project.

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

Less-than-Significant Impact with Mitigation Incorporated. Until buildings and infrastructure were demolished and removed from the study area in recent years, the majority of the study area was developed with the exception of biological resources associated with the Las Posas Creek. All structures were removed from the study area by 2018; however, large areas of pavement remain. Furthermore, prior to channel improvement and restoration work, when the site was almost entirely developed, the channel bisecting the study area was narrow and supported a much lower level of biodiversity than it supports currently (Appendix C). Outside of the channel area, the study area is a mosaic of urban/developed and disturbed habitat which supports limited vegetation. The study area, in general, is relatively flat with little topographic variation aside from the channel. The majority of sensitive vegetation communities mapped within the study area are encompassed within the Conservation Area, or immediately adjacent to it in areas that would not be directly impacted as a result of the proposed project. The Conservation Area is to remain under the City's jurisdiction and is subject maintenance and monitoring per the terms of the associated Long Term Management Plan (Dudek 2018). As stated in the Long Term Management Plan, USACE, RWQCB, and CDFW have jurisdiction over the wetlands associated with the channel area, and the necessary permits were obtained for the channel improvement project impacts.

Special-Status Plants

Six vegetation communities/land covers were identified in the biological study area including disturbed habitat (3.26 acres); disturbed wetland (0.03 acres); urban/developed (7.98 acres); coastal and valley freshwater marsh (0.33 acres); herbaceous wetland/southern willow scrub (0.42 acres); and disturbed southern riparian woodland (0.04 acres). These vegetation communities/land covers are outlined in Table 1 of Appendix C.

A total of 60 species of native or naturalized plants, 30 native (50%) and 30 non-native (50%), were recorded in the study area during the site visit. The majority of native plant cover occurs within the Conservation Area within and surrounding the channel. However, some native species occur scattered throughout the disturbed and developed areas, occupying a low cover overall in those areas.

Two plant species with a California Rare Plant Rank (CRPR) were observed during the survey: San Diego sagewort (CRPR 4.2), and San Diego marsh-elder (*Iva hayesiana*; CRPR 2B.2). Plant species with a CRPR of 4 (i.e., San Diego sagewort) are considered limited distribution or watchlist species and less sensitive/rare than plant species with a CRPR of 1 through 3 (CNPS 2022). San Diego sagewort currently has a tentative global ranking of G3, which corresponds to a moderate extinction risk "due to a fairly restricted range, relatively few populations or occurrences, recent and widespread declines, threats, or other factors" (Appendix C).

These plant species are located primarily within in the existing Conservation Area associated with the channel, and were planted as part of the channel restoration work. No special-status plant species were observed during a previous biological reconnaissance survey of the channel area conducted by Dudek in December of 2008, prior to channel restoration work in the area. San Diego marsh elder is located within the Conservation Area adjacent to the channel. While the majority of San Diego sagewort present in the study area is located within the existing Conservation Area, some San Diego sagewort is located outside of

the Conservation Area, immediately to the southwest of the existing bridge near a storm drain, and within the small biofiltration basin to the east of the bridge on the northern side of the channel.

Based on historic aerials and geotechnical investigations, the study area was graded and developed between 1964 and 1987 to its current configuration, and was previously almost entirely developed with pavement, buildings, and roads with the exception of the channel. Fill soil material is located over older alluvium throughout the proposed project area to a depth of 4 feet below surface. Undocumented fill was likely deposited throughout the entire project area as described in the geotechnical report (Geotek 2021). Due to the disturbed, previously developed context of the study area supporting little to no appropriate habitat and suitable substrate, no special-status plant species other than those which were planted during channel restoration are expected to occur within the study area, and thus focused rare plant surveys are not necessary. Additionally, the study area does not support vernal pools and therefore is not expected to support special-status plant species associated with vernal pools.

In summary, special-status plants observed in the study area during the site visit with a CRPR of 1 or 2 (San Diego marsh elder) are located entirely within the Conservation Area and would not be impacted by the proposed project. Plant species with a CRPR of 4 (i.e., San Diego sagewort) are considered limited distribution or watchlist species and less sensitive/rare than plant species with a CRPR of 1 through 3 (Appendix C). Some San Diego sagewort, a species which was not observed in the study area in 2008 but was planted during restoration activities (Dudek 2009, 2011), is located adjacent to, but outside of, the Conservation Area near a storm drain and within a small biofiltration basin and may be impacted by the proposed project. Since the Conservation Area would not be impacted, the proposed project would not result in direct impacts to plant species with a CRPR of 1 or 2, and therefore direct impacts to special-status plants would be less than significant.

Due to the disturbed, previously developed context of the study area outside of the channel area supporting little to no appropriate habitat and suitable substrate, no special-status plant species other than those which were planted during channel restoration are expected to occur within the study area. Potential short-term indirect impacts to special-status plants associated with dust and erosion, and potential short- and long-term indirect impacts associated with increased human presence, and would be less than significant with implementation of mitigation measure **MM-BIO-1**. All proposed mitigation measures are outlined at the end of this section.

Special-Status Wildlife

A total of 12 wildlife species were observed during the site visit, including 10 bird species, one mammal (California ground squirrel [*Otospermophilus beecheyi*]), and one reptile (western fence lizard [*Sceloporus occidentalis*]). All wildlife species observed in the study area are relatively common, widely distributed, and adapted to living in close proximity to urban development.

While focused wildlife surveys were not conducted, no special-status wildlife species were observed during the 2022 reconnaissance survey. Due to the disturbed, previously developed context of the study area, which is situated in a highly urbanized area, and the relatively limited extent of native habitat present, there is a low potential for special-status wildlife species to occur in the study area, especially outside of the Conservation Area which will not be impacted as a result of the proposed project. Outside of the Conservation Area, the study area has limited potential to support nesting birds during the avian breeding season due to the disturbed nature of the majority of the area, lack of substantial vegetative cover, and

surrounding development. Nesting in the study area would likely be limited to small, common bird species which are tolerant of disturbance from adjacent development and traffic. Vegetation within and adjacent to the channel provides denser cover for wildlife and primarily has the potential to support nesting of common, small riparian bird species such as common yellowthroat (*Geothlypis trichas*), while disturbed and urban/developed open areas could support common species such as mourning dove (*Zenaida macroura*) which sometimes nest on the ground. Mature willows (*Salix* sp.) located in the disturbed southern riparian woodland and tall eucalyptus trees (*Eucalyptus* sp.) located mostly adjacent to the western side of the study area have the potential to support nesting of common bird species in addition to raptors that are adapted to urban environments, such as Cooper's hawk (*Accipiter cooperii*).

Some scattered small mammal burrows, California ground squirrel and/or rabbit burrows are present in the study area where pavement isn't present. Due to the highly disturbed condition of the study area and the fact that a large amount of the area is paved and was historically almost entirely developed, the level of habitat suitability for special-status wildlife species such as burrowing owl (*Athene cunicularia*) is low, and there is a low potential for the study area to support special-status small mammals. No burrowing owl sign was observed within the study area during the survey.

The study area is not expected to support special-status listed riparian birds such as least Bell's vireo (*Vireo bellii pusillus*) or southwestern willow flycatcher (*Empidonax traillii extimus*) because the riparian areas on site are too small and isolated to support these species. The area of the channel east of the bridge is not expected to support special-status riparian birds since it is comprised mostly of cattails in the channel with scattered small willows. West of the existing bridge, there is a denser cover of riparian vegetation including willows in the channel area, but the potential for the habitat to support least Bell's vireo is still low due to the urbanized status of the surrounding area and the relatively narrow and limited amount of mature native habitat present in the study area. Southwestern willow flycatcher occurrences are increasingly rare in southern California and would be expected in wider and more extensive riparian habitat than is present in and adjacent to the study area. Additionally, the study area does not support vernal pools and therefore is not expected to support special-status wildlife species associated with vernal pools, such as listed large branchiopods.

According to the California Natural Diversity Database, two special-status wildlife occurrences with 1 mile accuracy overlap the study area: American badger (*Taxidea taxus*) from an unknown year and Townsend's big-eared bat from 1930 (*Corynorhinus townsendii*) (Appendix C). The study area does not contain suitable roosting or foraging habitat for Townsend's big-eared bat, and American badger is not expected to occur due to the disturbed and urbanized context of the study area. No designated or proposed critical habitat for special-status wildlife species occurs in the study area (Appendix C).

The highly disturbed condition of the majority of the study area, with limited vegetative cover and surrounded by development, is not suitable habitat for most special-status wildlife. However, the project area and adjacent vegetation have the potential to support nesting birds which are tolerant of disturbance during the avian breeding season. If clearing, grubbing, or other ground disturbance occurs during the nesting bird season, any impacts to active nests or the young of nesting bird species would be significant.

Indirect impacts to protected nesting birds that have the potential to occur within or adjacent to the study area could result from construction activities. Potential temporary indirect impacts to nesting birds could occur as a result of excessive noise and increased human activity in close proximity to an active nest. Long-term indirect impacts could result from intense lighting adjacent to the Conservation Area, which could limit

suitability of the native habitat for nesting birds, increased human activity in the vicinity of the Conservation Area, and an increase in the number of domestic pets (i.e., cats, which may hunt and kill native wildlife if allowed to roam outdoors, or off-leash dogs, which can also harm or kill wildlife). Impacts to nesting birds shall be mitigated to less than significant through nesting bird surveys and establishment of appropriate nest buffers, as described in **MM-BIO-2**, and lighting, increased human activity, and domestic pet impacts would be less than significant with implementation of **MM-BIO-1**.

In summary, indirect impacts to special-status plants and wildlife would be less than significant with mitigation incorporated.

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

Less-than-Significant Impact with Mitigation Incorporated. The impact limits of the proposed project are shown in Figure 3 of Appendix C, over the vegetation mapping. As shown, the limits of work overlap approximately 11.01 acres of non-sensitive land covers which do not require mitigation for direct impacts. Direct impacts to sensitive vegetation communities would be completely avoided, and impacts would be limited to urban/developed and disturbed habitat land covers. While the primary focus of the biological survey was on areas outside of the channel and a formal jurisdictional delineation was not conducted as a part of the survey effort, vegetation communities observed in and adjacent to the channel area were mapped. Vegetation communities, including those classified as potential wetlands, were mapped within the study area and may be regulated by local, state, and federal agencies. These include disturbed wetland, coastal and valley freshwater marsh, herbaceous wetland/southern willow scrub, and disturbed southern riparian woodland. Communities below the ordinary high water mark (OHWM) within the channel are likely regulated USACE, pursuant to Section 404 of the federal Clean Water Act; CDFW, pursuant to Section 1602 of the California Fish and Game Code; and the RWQCB, pursuant to Section 401 of the federal Clean Water Act. Communities located outside of the OHWM but adjacent to the channel, such as disturbed southern riparian woodland, may be regulated as riparian habitat by CDFW. Communities located above the OHWM up to the top of the channel bank may be regulated by both CDFW and RWQCB.

The proposed project would not impact the Conservation Area, and permanent fencing is to be installed around the Conservation Area. As a part of the channel improvement project, native transitional species were planted along the widened channel slopes to serve as a native habitat buffer to the drainage channel.

Short-term indirect impacts associated with dust and erosion, and short- and long-term indirect impacts associated with increased human presence could occur as a result of project implementation. Such impacts could negatively affect viability of sensitive native vegetation adjacent to the project footprint through decreasing photosynthetic ability and degradation due to unauthorized access. Indirect impacts resulting from project implementation would be less than significant with implementation of **MM-BIO-1** outlined below. In summary, impacts would be less than significant with mitigation incorporated.

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

Less-than-Significant Impact with Mitigation Incorporated. As described in response to Threshold 2.4-b), vegetation communities, including those classified as potential wetlands, were mapped within the study area and may be regulated by local, state, and federal agencies. These include disturbed wetland, coastal and valley freshwater marsh, herbaceous wetland/southern willow scrub, and disturbed southern riparian woodland. Communities below the OHWM within the channel are likely regulated by USACE, pursuant to Section 404 of the federal Clean Water Act; CDFW, pursuant to Section 1602 of the California Fish and Game Code; and RWQCB, pursuant to Section 401 of the federal Clean Water Act. Communities located outside of the OHWM but adjacent to the channel, such as disturbed southern riparian woodland, may be regulated as riparian habitat by CDFW. Communities located above the OHWM up to the top of the channel bank may be regulated by both CDFW and RWQCB.

A property located immediately south of Linda Vista Drive across from the study area is a managed vernal pool mitigation site known to contain vernal pools and sensitive species which are associated with vernal pool habitats. However, the study area has been graded and almost entirely developed with the exception of the channel, and extensively disturbed in the past, and no vernal pools were observed within the study area during the site visit. Although the survey was conducted outside of the usual wet season, no evidence of vernal pools or depressions that could support ponding were observed. Additionally, as determined during the geotechnical study, fill soil material is located over older alluvium throughout the proposed project area to a depth of 4 feet below surface, and undocumented fill was likely deposited throughout the entire project area (Geotek 2021). The study area does not support vernal pools and therefore no impacts to vernal pools would occur as a result of the proposed project.

Waters of the U.S., including wetlands, are considered sensitive and thus are regulated by local, state, and federal agencies. The proposed project would not result in direct impacts to potential jurisdictional resources which are located within the Conservation Area, and thus no permits for impacts to jurisdictional resources are required. As a part of the channel improvement project, native transitional species were planted along the widened channel slopes to serve as a native habitat buffer to the drainage channel to further protect riparian and wetland habitats beyond the permanent fencing which shall be installed around the Conservation Area. Potential short- and long-term indirect impacts to potential jurisdictional resources located adjacent to the impact area, such as off-site transport of sediment and pollutants, would be avoided through implementation of measure **MM-BIO-1**, and would be less than significant with mitigation incorporated.

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

Less-than-Significant Impact. The study area includes an approximately 770-foot-long (0.15-mile) segment of Las Posas Creek (encompassed within the Conservation Area). The Las Posas Creek is a north to southwest–trending urbanized channel originating in the foothills of San Marcos and flowing south through an urban corridor of the city before reaching its confluence with San Marcos Creek, approximately 1 mile downstream of the study area. The ability for this reach to provide a dispersal corridor for terrestrial wildlife and avifauna is restricted by road crossings, culverts, fences, buildings and other manmade structures that restrict wildlife use, fragment habitat, and impede movement. Terrestrial movement upstream is limited by

culverts under Grand Avenue, which forms the northern boundary of the study area, and SR-78 beyond Grand Avenue, and the entire study area is fenced with chain link fencing. Terrestrial movement downstream is limited by culverts under Via Vera Cruz, approximately 550 feet west of the study area.

A formal wildlife movement study has not been conducted; however, with wetland and riparian vegetation, stream bed, and perennial water supply, the Conservation Area likely facilitates limited wildlife movement. Because the channel at this location is earthen bottomed, vegetated, and supports perennial stream flow (due to urban runoff), it provides cover and aquatic resources for wildlife species in the area, and likely permits limited wildlife movement from Grand Avenue west to Via Vera Cruz, where the channel becomes contained within a closed channel conveyance system. Therefore, the study area likely provides resources primarily to birds. Other common urban wildlife such as coyote (*Canis latrans*), common raccoon (*Procyon lotor*), or striped skunk (*Mephitis mephitis*) may also occasionally use the study area for foraging, but due to fencing as well as the culverts and roads surrounding and fragmenting available habitat, the study area likely does not facilitate substantial movement opportunities for terrestrial wildlife. This area has not been designated as a regional wildlife corridor in the City's draft Subarea Plan to the Multiple Habitat Conservation Program (MHCP), and given the fragmented nature of Las Posas Creek, this area likely does not function as a regional wildlife corridor due to the constrained urban context of the study area and the fragmented nature of the channel. For these reasons, impacts to wildlife corridors are determined to be less than significant.

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

Less-than-Significant Impact. Section 14.12.200 of the City's Municipal Code provides that where a permit is required for excavation, fill, or obstruction for installation or repair of utilities under any public street, sidewalk, trail, or public place, such construction should be located away from trees. The project would not require the removal of trees within the public right-of-way. As described above, the project site has been heavily disturbed and previously developed with commercial uses. The Conservation Area contains native habitat which has already been greatly enhanced through the recent restoration efforts, and sensitive habitat within the study area as well as any sensitive wildlife it supports would be protected through the measures of the proposed project, consistent with Goal COS-1 of the General Plan (City of San Marcos 2021). The proposed project would also be consistent with Policy 2.6 of Goal COS-2 of the General Plan, as project implementation would not be expected to result in the removal of healthy, mature trees (City of San Marcos 2021). Implementation of the project would introduce a landscape plan and more vegetation and trees than what currently exists in the study area, which would accomplish more than the 1:1 tree replacement rate required in the case that any trees within the study area are removed and are considered to be mature at the time clearing occurs for the proposed project. As such, the project would comply with the City's Municipal Code and impacts would be less than significant.

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

Less-than-Significant Impact with Mitigation Incorporated. The North County MHCP is a long-term regional conservation plan established to protect sensitive species and habitats in northern San Diego County. The MHCP is divided into seven Subarea Plans—one for each jurisdiction within the MHCP—that are permitted and implemented separately from one another. The City of Carlsbad is the only city under the MHCP that has an approved and permitted Subarea Plan. The City of San Marcos Subarea Habitat

Conservation Plan/Natural Community Conservation Plan (San Marcos Subarea Plan) (City of San Marcos 2001) has not been finalized or implemented, and the City is no longer an active participant in the Natural Community Conservation Plan program or the subregional MHCP conservation planning effort. However, it is the City's policy to comply with the conservation policies identified in the draft San Marcos Subarea Plan, including an assessment of a designated Biological Core and Linkage Area or MHCP Focused Planning Area in the context of a proposed project and the preservation of sensitive biological resources. The study area is not within a designated Biological Core and Linkage Area or a MHCP Focused Planning Area.

As described above, the impact limits of the proposed project are shown in Figure 3 of Appendix C. As shown, the limits of work overlap approximately 11.01 acres of non-sensitive land covers which do not require mitigation for direct impacts. Direct impacts to sensitive vegetation communities shall be completely avoided, and impacts will be limited to urban/developed and disturbed habitat land covers. Based on the results of the Biological Resources Letter Report, with implementation of proposed mitigation measures **MM-BIO-1** and **MM-BIO-2**, the proposed project would not conflict with the provisions of an adopted Habitat Conservation Plan, Natural Community Conservation Plan, or other applicable plan related to biological resources. Therefore, impacts would be less than significant with mitigation incorporated.

Mitigation Measures

MM-BIO-1 Sensitive Vegetation and Resources Protection. Indirect impacts to sensitive riparian and wetland vegetation communities, sensitive habitat, and jurisdictional aquatic resources located within the existing Conservation Area, which will remain under the City's jurisdiction, shall be avoided through implementation of the following measures.

a. All proposed lighting systems associated with proposed future development shall comply with City standards for shielded low sodium, low wattage lighting designed to cut glare and light scatter and to direct light away from the Conservation Area.
b. Signage shall be installed by the project applicant or its designee along the development/open space interface and/or should be provided at existing buildings where determined appropriate by the City for the purpose of identifying sensitive habitats and educating visitors and residents of sensitive habitats and/or restoration efforts. Signage shall include information regarding the importance of not allowing pets to roam outdoors and off-leash, both for the safety of pets and to protect native wildlife.
c. The Conservation Area shall be strategically fenced to ensure habitat protection and to minimize conflicts with adjacent neighborhoods. All necessary fencing shall be designed to allow for wildlife passage but deter human use of the Conservation Area. The Conservation Area shall be fenced using permanent chain-link fencing.
d. The limits of work shall be clearly defined and marked in the field and reviewed by a qualified biologist for consistency against the approved grading plan prior to initiation of project construction.
e. All site preparation and construction activities shall incorporate standard erosional best management practices (BMPs) including, but not limited to, straw bales, gravel bags, sand bags, the periodic watering of bare areas, and the direction of construction area drainage to existing storm drain facilities.

f. All equipment maintenance, staging areas, and dispensing of fuel, oil, or other toxicants shall occur in designated upland areas at least 50 feet from the Conservation Area.

g. Install silt fencing and other silt containment devices where necessary to prevent off-site transport of sediment and pollutants. Install oil and grease traps at any storm drain inlets which are adjacent to or within work areas.

h. Any post-construction BMPs shall be described in a Stormwater Management Plan to illustrate how runoff from proposed developments will be treated prior to its discharge into the drainage.

MM-BIO-2 Nesting Bird Surveys. Construction-related ground-disturbing activities (e.g., clearing/grubbing, grading, and other intensive activities) that occur during the breeding season (February 15 through August 31 for most species, and from January 15 through August 31 for raptors,) shall require a one-time biological survey for nesting bird species to be conducted by a qualified biologist within the limits of work within 72 hours prior to construction. This survey is necessary to ensure avoidance of impacts to nesting raptors and/or birds protected by the federal Migratory Bird Treaty Act and California Fish and Game Code, Sections 3503 and 3513. If any active nests are detected, the area shall be flagged and mapped on the construction plans or a biological resources figure, and the information provided to the construction supervisor and any personnel working near the nest buffer. Active nests shall have "no work zone" buffers established around them (e.g., 250 feet for passerines to 500 feet for raptors) by the project biologist in the field with brightly colored flagging tape, conspicuous fencing, or other appropriate barriers or signage. The project biologist shall serve as a construction monitor during those periods when construction activities occur near active nest areas to avoid inadvertent impacts to these nests. The project biologist may adjust the 250-foot or 500-foot setback at his or her discretion depending on the species and the location of the nest (e.g., if the nest is well protected in an area buffered by dense vegetation). However, if needed, additional qualified monitor(s) shall be provided in order to monitor active nest(s) or other project activities in order to ensure all of the project biologist's duties are completed. Once the nest is no longer occupied for the season as determined by the project biologist, construction may proceed in the setback areas.

If construction activities, particularly clearing/grubbing, grading, and other intensive activities, stop for more than 3 days, an additional nesting bird survey shall be conducted within the proposed impact area.

2.5 Cultural Resources

	Potentially Significant Impact	Less Than Significant Impact With Mitigation Incorporated	Less Than Significant Impact	No Impact
V. CULTURAL RESOURCES – Would the project:				
a) Cause a substantial adverse change in the significance of a historical resource pursuant to Section 15064.5?	☐	☐	☒	☐
b) Cause a substantial adverse change in the significance of an archaeological resource pursuant to Section 15064.5?	☐	☒	☐	☐
c) Disturb any human remains, including those interred outside of formal cemeteries?	☐	☒	☐	☐

The following analysis is based, in part, on the Cultural Resources Phase I Inventory Report prepared by Dudek in December 2022, included as Appendix D.

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

Less-than-Significant Impact. As defined by the CEQA Guidelines (14 CCR 15000 et seq.), a "historical resource" is considered to be a resource that is listed in or eligible for listing in the National Register of Historic Places (NRHP) or California Register of Historical Resources (CRHR), has been identified as significant in a historical resource survey, or is listed on a local register of historical resources. Under CEQA, a project may have a significant effect on the environment if it may cause "a substantial adverse change in the significance of an historical resource" (California Public Resources Code, Section 21084.1; 14 CCR 15064.5[b]). If a site is listed or eligible for listing in the CRHR, or included in a local register of historic resources, or identified as significant in a historical resources survey (meeting the requirements of California Public Resources Code, Section 5024.1[q]), it is a historical resource and is presumed to be historically or culturally significant for the purposes of CEQA (California Public Resources Code, Section 21084.1; 14 CCR 15064.5[a]).

A California Historical Resources Information Systems records search of the project site and a 1-mile radius buffer was conducted by Dudek at the South Coastal Information Center (SCIC) on October 19 and November 2, 2022. The records search results indicate that 77 previous cultural resources studies have been conducted within 1 mile of the project area. Of the 77 previous studies, four studies intersect the project area and are listed in Table 1 of Appendix D. These studies consist of one archaeological report for the City of San Marcos General Plan Amendment, a cultural resources monitoring report, a draft EIR, and an archaeological records search and literature review. A review of the four reports indicates that approximately 10% of the project area has been previously studied.

Report SD-18207, Cultural Resources Monitoring Report for the Los Posas and Grand Avenue Capital Improvement Project, City of San Marcos, San Diego County, California (Clark and Duran 2019), details

Rincon Consultants' discovery and treatment of CA-SDI-22954. Rincon Consultants submitted an incident report to USACE, which described the resource and recommended it ineligible for listing on the NRHP due to a lack of integrity. USACE concurred with Rincon Consultants' recommendation and determined the site is not eligible. The State Historic Preservation Officer concurred with USACE's recommendation that the site not be included in the NRHP.

The SCIC records search identified one cultural resource (CA-SDI-22954), a historic-age trash scatter, within the project area. The records search also identified 47 cultural resources within the 1-mile search radius buffer outside of the project area. Of the total 47 resources identified in the 1-mile buffer, 30 are prehistoric sites, nine are historic sites, four are prehistoric isolates, three are multicomponent sites, and one resource lacks sufficient information to discern the age (Table 2 in Appendix D). No historic addresses are located within the project area; however, three are located within the 1-mile search radius.

CA-SDI-22954 consists of a historic-age trash scatter that was originally identified during cultural monitoring for the Los Posas Creek and Grand Avenue Capital Improvement Project in San Marcos in 2019 by Rincon Consultants. CA-SDI-22954 was recorded in the northern-central component of the current project area, just south of Grand Avenue along the eastern bank of Los Posas Creek. It measures approximately 50 feet long (N/S) by 10 feet wide (E/W). The site consisted of approximately 60–70 artifacts, including bottle glass fragments (clear, brown, opaque, and blue), metal fragments, and a select few transfer print ceramics. Rincon Consultants' preliminary analysis of the makers' marks on several bottle bases suggested the artifacts likely dated to the 1920s and 1930s. Modern debris, such as a cassette tape and a few plastic bottles, were found intermixed with the historic trash scatter and suggested site disturbance. Rincon Consultants concluded that the site was probably an opportunistic dumping event. Rincon Consultants was also unable to associate the artifacts with a particular event or person. Due to the site's lack of integrity and disturbed nature, as well as the inability to directly associate the trash scatter with a particular event or person, the Rincon Consultants also recommended the site did not meet the eligibility requirements for listing on the NRHP under any criteria.

Dudek conducted an online review of historic aerial photographs of the project area and general vicinity, to help determine the possible development and land use of the project area in the past. Thirty-six historic aerial photographs of the project area were available at various years from 1938 to 2020 (NETR 2022). The historic aerial photograph from 1938 reveals the project area had a road intersecting the northwestern component of the project area. It also appears that Grand Avenue is at the northern end of the project boundary, and it was possibly paved. There also appears to be Las Posas Creek in the northern and central components of the project area. No structures or land modifications (other than the roads) are identifiable in the image. The 1947 and 1953 aerials do not reveal any changes to the project area. The 1964 aerial photo reveals approximately five small buildings, possibly residential buildings, adjacent to Grand Avenue at the northwest and northern sections of the project area. The photograph also shows two small buildings, again possibly residential buildings, near the southern section of the project area, and the development of what appears to be present day Linda Vista Drive. The 1967 aerial photograph does not reveal significant changes. The 1978 aerial photograph shows more development in the center and northwestern sections of the project area, as evidenced by a few more structures. The 1980 aerial photograph displays more distinct building development in the eastern section of the project area. The 1980 aerial photograph also displays the possible demolition (or renovation/expansion) of at least two or three structures that began being visible in the 1964 aerial photograph, near the northern and southern aspects of the project area. The 1981 through 1986 aerial photographs do not depict significant changes within the project area. The

1987 aerial photograph possibly exhibits more building development in the central aspect of the project area. The aerial photographs from 1988 through 1994 do not appear to reveal substantial changes within the project area. The 1995 aerial photograph reveals slightly more building development within the project area. The 1996 through 2010 historic aerial photographs do not indicate substantial changes to the project area. The 2012 aerial photograph reveals structural demolition. The buildings that were demolished were near or at the northern, northwest, central, and eastern aspects of the project area, which appear to be vacant pads in the 2012 aerial photograph. The buildings that were demolished generally begin appearing at the 1978 aerial photograph and continue increasing in number as the years progress, thus pointing to the likely destruction of modern structures by around 2012. The 2012 aerial photograph also displays the apparent demolition of the remaining structures from the 1964 photograph. The 2014 to 2020 aerial photographs do not appear to display significant changes to the project area. The most recent 2020 aerial photograph does not display any structures within the project area.

Historic topographic (topo) maps of the project area also were reviewed. There are 18 topo maps available from various years from 1893 to 2018. The 1893 through 1965 topo maps do not show significant development within the project area. The 1970 and 1979 topo maps reveal three structures within the project area, and the structures generally resemble residential houses. The structures' locations on the 1970 and 1979 topographic maps appear to match the historical aerial photograph from 1964. The 1983 topographic map shows approximately ten new structures inside the project area, which vary in size and generally correspond to the 1978 aerial photographs. The 2000 to 2018 topographic maps do not show substantial new development. The most recent topographic map from 2018 does not display any structures within the project area.

Additionally, as discussed above, due to the site's lack of integrity and disturbed nature, as well as the inability to directly associate the trash scatter with a particular event or person, Rincon also recommended the site (CA-SDI-22954) did not meet the eligibility requirements for listing on the NRHP under any criteria. For the reasons stated above and detailed in Appendix D, the project would result in less-than-significant impacts to historical resources.

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

Less-than-Significant Impact with Mitigation Incorporated. The intensive pedestrian survey was conducted by a Dudek archaeologist on October 28, 2022, using standard archaeological procedures and techniques that meet the Secretary of Interior's standards and guidelines for cultural resources inventory. Jessica Alexander, a Luiseño monitor with Saving Sacred Sites, was also present during the entire pedestrian survey. The intensive level survey methods consisted of a walking 10 meter-wide transects across the project area. The ground surface was examined for prehistoric artifacts (e.g., flaked stone tools, tool-making debris, stone milling tools, ceramics, fire-affected rock), soil discoloration that might indicate the presence of a cultural midden, soil depressions, features indicative of the current or former presence of structures or buildings (e.g., standing exterior walls, post holes, foundations), and historic-age artifacts (e.g., metal, glass, ceramics, building materials). Ground disturbances such as burrows, cut banks, and drainages were also visually inspected for exposed subsurface materials.

The project area is significantly disturbed. Disturbances include several push piles, billboards, wood debris, drainage culverts, gravel piles, and restoration along Las Posas Creek. The western component of the project area shows evidence of being graded as evidenced by an elevated earthen berm adjacent to the

bridge. The project area is generally flat with little to no topographic variation. Asphalt covers most of the eastern and southern portions of the project area. The western half of the project area is a vacant field. Las Posas Creek transects the project area from the north to the southwest corner near the southwest corner of the project area. There is a modern-looking bridge that spans over the creek as well. Visibility within the entire project area was excellent (80%–100 %) in areas with no dense vegetation present. The only exception is near Las Posas Creek, which was low visibility (0%–20%). The primary vegetation noted included tumbleweeds, low-lying dry grasses, and cat tails near Las Posas Creek.

Dudek revisited the location where CA-SDI-22954 was previously recorded and did not relocate the site. No artifacts or features were identified within the site boundary during the current survey. Modern culvert slope contouring were present near the mapped location of CA-SDI-22954, which is likely associated with restoration work along the banks of Los Posas Creek. It appears that CA-SDI-22954, which was originally observed during a monitoring program, was destroyed as a result of the restoration work associated with Los Posas Creek for the Los Posas Creek and Grand Avenue Capital Improvement. No cultural artifacts or features were observed during the pedestrian survey.

Dudek's archaeological resources inventory of the project indicates that there is moderate sensitivity for identifying intact subsurface archaeological deposits during project implementation. The SCIC records search identified one cultural resource, CA-SDI-22954, a historic-age trash scatter, within the project area. CA-SDI-22954 was previously evaluated and determined to not be eligible for listing on the NRHP; however, it was not evaluated under CEQA or CRHR. The current pedestrian survey did not relocate CA-SDI-22954 or any other cultural resources within the project area. Dudek determined that CA-SDI-22954 was destroyed by the restoration work associated with Los Posas Creek. Since CA-SDI-22954 was destroyed, it is not a historical resource as defined under CEQA. No further studies or mitigation is necessary for CA-SDI-22954. In addition, the records search identified 47 cultural resources within 1 mile of the project area. The presence of cultural resources located within the vicinity of project area indicates that the surrounding area has been utilized extensively prehistorically and historically.

Based on historic aerials and Geotech investigations, the project area was graded and developed between 1964 and 1987 to its current configuration. Fill soil material is located over older alluvium throughout the project area to a depth of 4 feet below surface. No intact prehistoric or historic-age resources will be present within the fill sediment; however, because a previous resource was present within the project area (CA-SDI-22954) and other cultural resources located within the 1-mile search buffer, there is a potential to encounter cultural resources within the older alluvium sediments below the fill. Dudek recommends cultural resources monitoring, consisting of a qualified archaeological monitor and Luiseno Native American monitor, during all initial ground disturbing activities within the older alluvium sediments (below the fill). Monitoring can be reduced or terminated if no discoveries are made or if documentation is provided which demonstrates that ground-disturbing activities will be occurring in sediments with no potential for cultural resources. Archaeological monitoring is not recommended for ground disturbing activities in the fill as there is no potential for intact cultural resources within that stratum.

In the event that unanticipated archaeological resources are encountered during project implementation, impacts to these resources would be potentially significant. With the implementation of the City's standard cultural mitigation measures **MM-CUL-1** through **MM-CUL-4**, potentially significant impacts to unknown archaeological resources would be reduced to less than significant. Therefore, impacts would be less than significant with mitigation incorporated. Mitigation measures are outlined below.

c) Would the project disturb any human remains, including those interred outside of formal cemeteries?

Less-than-Significant Impact with Mitigation Incorporated. No prehistoric or historic burials were identified within the proposed project site as a result of the California Historical Resources Information Systems records search, Native American Heritage Commission (NAHC) Sacred Lands File search, or pedestrian survey. In the event that human remains are inadvertently encountered during construction activities, such resources would be treated in accordance with state and local regulations that provide requirements with regard to the accidental discovery of human remains, including California Health and Safety Code Section 7050.5, California Public Resources Code Section 5097.98, and the California Code of Regulations Section 15064.5(e). In accordance with these regulations, if human remains are found, the County Coroner must be immediately notified of the discovery. No further excavation or disturbance of the project site or any nearby area reasonably suspected to overlie adjacent remains can occur until the County Coroner has determined, within two working days of notification of the discovery, if the remains are potentially human in origin. If the County Coroner determines that the remains are, or are believed to be, Native American, he or she is required to notify the NAHC within 24 hours. The NAHC must immediately notify those persons it believes to be the most likely descendant from the deceased Native American. The most likely descendant must then complete their inspection within 48 hours of being granted access to the site. The most likely descendant would then determine, in consultation with the City, the disposition of the human remains. Compliance with these regulations and implementation of MM-CUL-4 outlined below would ensure that impacts related to human remains as a result of the proposed project would be less than significant with mitigation incorporated.

Mitigation Measures

MM-CUL-1 Pre-Excavation Agreement. Prior to the issuance of a Grading Permit, or ground disturbing activities, the Applicant/Owner shall enter into a Tribal Cultural Resources Treatment and Repatriation Agreement (Pre-Excavation Agreement) with a Traditionally and Culturally Affiliated Native American Tribe (TCA Tribe), identified in consultation with the City. The purpose of the Pre-Excavation Agreement shall be to formalize protocols and procedures between the Applicant/Owner and the TCA Tribe for the protection, treatment, and repatriation of Native American human remains, funerary objects, cultural and/or religious landscapes, ceremonial items, traditional gathering areas, and other tribal cultural resources. Such resources may be located within and/or discovered during ground disturbing and/or construction activities for the proposed project, including any additional culturally appropriate archaeological studies, excavations, geotechnical investigations, grading, preparation for wet and dry infrastructure, and other ground disturbing activities. Any project-specific Monitoring Plans and/or excavation plans prepared by the project archaeologist shall include the TCA Tribe requirements for protocols and protection of tribal cultural resources that were agreed to during the tribal consultation.

The landowner shall relinquish ownership of all non-burial related tribal cultural resources collected during construction monitoring and from any previous archaeological studies or excavations on the project site to the TCA Tribe for proper treatment and disposition per the Pre-Excavation Agreement, unless ordered to do otherwise by responsible agency or court of competent jurisdiction. The requirement and timing of such release of ownership, and the recipient thereof, shall be reflected in the Pre-Excavation Agreement. If the TCA

Tribe does not accept the return of the cultural resources, then the cultural resources will be subject to curation.

MM-CUL-2 Construction Monitoring. Prior to the issuance of a Grading Permit or ground disturbing activities, the Applicant/Owner or Grading Contractor shall provide written documentation (either as signed letters, contracts, or emails) to the City's Planning Division stating that a Qualified Archaeologist and Traditionally and Culturally Affiliated Native American monitor (TCA Native American monitor) have been retained at the Applicant/Owner or Grading Contractor's expense to implement the construction monitoring program, as described in the Pre-Excavation Agreement.

The Qualified Archaeologist and TCA Native American monitor shall be invited to attend all applicable pre-construction meetings with the General Contractor and/or associated subcontractors to present the construction monitoring program. The Qualified Archaeologist and TCA Native American monitor shall be present on site during grubbing, grading, trenching, and/or other ground disturbing activities that occur in areas of native soil or other permeable natural surfaces that have the potential to unearth any evidence of potential archaeological resources or tribal cultural resources. In areas of artificial paving, the Qualified Archaeologist and TCA Native American monitor shall be present on site during grubbing, grading, trenching, and/or other ground disturbing activities that have the potential to disturb more than six inches below the original pre-project ground surface to identify any evidence of potential archaeological or tribal cultural resources. No monitoring of fill material, existing or imported, will be required if the General Contractor or developer can provide documentation to the satisfaction of the City that all fill materials being utilized at the site are either: 1) from existing commercial (previously permitted) sources of materials; or 2) are from private or other non-commercial sources that have been determined to be absent of tribal cultural resources by the Qualified Archaeologist and TCA Native American monitor.

The Qualified Archaeologist and TCA Native American monitor shall maintain ongoing collaborative coordination with one another during all ground disturbing activities. The requirement for the construction monitoring program shall be noted on all applicable construction documents, including demolition plans, grading plans, etc. The Applicant/ Owner or Grading Contractor shall provide written notice to the Planning Division and the TCA Tribe, preferably through e-mail, of the start and end of all ground disturbing activities.

Prior to the release of any grading bonds, or prior to the issuance of any project Certificate of Occupancy, an archaeological monitoring report, which describes the results, analysis, and conclusions of the construction monitoring shall be submitted by the Qualified Archaeologist, along with any TCA Native American monitor's notes and comments received by the Qualified Archaeologist, to the Planning Division Manager for approval. Once approved, a final copy of the archaeological monitoring report shall be retained in a confidential City project file and may be released, as a formal condition of Assembly Bill (AB) 52 consultation, to San Luis Rey Band of Mission Indians, Rincon Band of Luiseño Indians, San Pasqual Band of Mission Indians or any parties involved in the project specific monitoring or consultation process. A final copy of the report, with all confidential site

records and appendices, will also be submitted to the South Coastal Information Center after approval by the City.

MM-CUL-3 Unanticipated Discovery Procedures. Both the Qualified Archaeologist and the TCA Native American monitor may temporarily halt or divert ground disturbing activities if potential archaeological resources or tribal cultural resources are discovered during construction activities. Ground disturbing activities shall be temporarily directed away from the area of discovery for a reasonable amount of time to allow a determination of the resource's potential significance. Isolates and clearly non-significant archaeological resources (as determined by the Qualified Archaeologist, in consultation with the TCA Native American monitor) will be minimally documented in the field. All unearthed archaeological resources or tribal cultural resources will be collected, temporarily stored in a secure location (or as otherwise agreed upon by the Qualified Archaeologist and the TCA Tribe), and repatriated according to the terms of the Pre-Excavation Agreement, unless ordered to do otherwise by responsible agency or court of competent jurisdiction.

If a determination is made that the archaeological resources or tribal cultural resources are considered potentially significant by the Qualified Archaeologist, the TCA Tribe, and the TCA Native American monitor, then the City and the TCA Tribe shall determine, in consultation with the Applicant/Owner and the Qualified Archaeologist, the culturally appropriate treatment of those resources.

If the Qualified Archaeologist, the TCA Tribe, and the TCA Native American monitor cannot agree on the significance or mitigation for such resources, these issues will be presented to the Planning Division Manager for decision. The Planning Division Manager shall make a determination based upon the provisions of CEQA and California Public Resources Code Section 21083.2(b) with respect to archaeological resources and California Public Resources Section 21704 and 21084.3 with respect to tribal cultural resources, and shall take into account the religious beliefs, cultural beliefs, customs, and practices of the TCA Tribe.

All sacred sites, significant tribal cultural resources, and/or unique archaeological resources encountered within the project area shall be avoided and preserved as the preferred mitigation. If avoidance of the resource is determined to be infeasible by the City as the Lead Agency, then the City shall require additional culturally appropriate mitigation to address the negative impact to the resource, such as, but not limited to, the funding of an ethnographic study and/or a data recovery plan, as determined by the City in consultation with the Qualified Archaeologist and the TCA Tribe. The TCA Tribe shall be notified and consulted regarding the determination and implementation of culturally appropriate mitigation and the drafting and finalization of any ethnographic study and/or data recovery plan, and/or other culturally appropriate mitigation. Any archaeological isolates or other cultural materials that cannot be avoided or preserved in place as the preferred mitigation shall be temporarily stored in a secure location on site (or as otherwise agreed upon by the Qualified Archaeologist and TCA Tribe), and repatriated according to the terms of the Pre-Excavation Agreement, unless ordered to do otherwise by responsible agency or court of competent jurisdiction. The removal of any artifacts from the project site will be inventoried with oversight by the TCA Native American monitor.

If a data recovery plan is authorized as indicated above and the TCA Tribe does not object, then an adequate artifact sample to address research avenues previously identified for sites in the area will be collected using professional archaeological collection methods. If the Qualified Archaeologist collects such resources, the TCA Native American monitor must be present during any testing or cataloging of those resources. Moreover, if the Qualified Archaeologist does not collect the cultural resources that are unearthed during the ground disturbing activities, the TCA Native American monitor may, at their discretion, collect said resources for later reburial or storage at a local curation facility, as described in the Pre-Excavation Agreement.

In the event that curation of archaeological resources or tribal cultural resources is required by a superseding regulatory agency, curation shall be conducted by an approved local facility within San Diego County and the curation shall be guided by California State Historical Resources Commission's Guidelines for the Curation of Archaeological Collections. The City shall provide the Applicant/Owner final curation language and guidance on the project grading plans prior to issuance of the grading permit, if applicable, during project construction. The Applicant/Owner shall be responsible for all repatriation and curation costs and provide to the City written documentation from the TCA Tribe or the curation facility, whichever is most applicable, that the repatriation and/or curation have been completed.

MM-CUL-4 Human Remains. As specified by California Health and Safety Code Section 7050.5, if human remains, or remains that are potentially human, are found on the project site during ground disturbing activities or during archaeological work, the person responsible for the excavation, or his or her authorized representative, shall immediately notify the San Diego County Medical Examiner's Office by telephone. No further excavation or disturbance of the discovery or any nearby area reasonably suspected to overlie adjacent remains (as determined by the Qualified Archaeologist and/or the TCA Native American monitor) shall occur until the Medical Examiner has made the necessary findings as to origin and disposition pursuant to Public Resources Code 5097.98.

If such a discovery occurs, a temporary construction exclusion zone shall be established surrounding the area of the discovery so that the area would be protected (as determined by the Qualified Archaeologist and/or the TCA Native American monitor), and consultation and treatment could occur as prescribed by law. As further defined by State law, the Medical Examiner will determine within two working days of being notified if the remains are subject to his or her authority. If the Medical Examiner recognizes the remains to be Native American, and not under his or her jurisdiction, then he or she shall contact the Native American Heritage Commission by telephone within 24 hours. The Native American Heritage Commission will make a determination as to the Most Likely Descendent, who shall be afforded 48 hours from the time access is granted to the discovery site to make recommendations regarding culturally appropriate treatment.

If suspected Native American remains are discovered, the remains shall be kept in situ (in place) until after the Medical Examiner makes its determination and notifications, and until after the Most Likely Descendent is identified, at which time the archaeological examination of the remains shall only occur on site in the presence of the Most Likely

Descendent. The specific locations of Native American burials and reburials will be proprietary and not disclosed to the general public. According to California Health and Safety Code, six or more human burials at one location constitute a cemetery (Section 8100), and disturbance of Native American cemeteries is a felony (Section 7052). In the event that the Applicant/Owner and the Most Likely Descendant are in disagreement regarding the disposition of the remains, State law will apply, and the mediation process will occur with the NAHC. In the event that mediation is not successful, the landowner shall rebury the remains at a location free from future disturbance (see Public Resources Code Section 5097.98(e) and 5097.94(k)).

2.6 Energy

	Potentially Significant Impact	Less Than Significant Impact With Mitigation Incorporated	Less Than Significant Impact	No Impact
VI. Energy – Would the project:				
a) Result in potentially significant environmental impact due to wasteful, inefficient, or unnecessary consumption of energy resources, during project construction or operation?	☐	☐	☒	☐
b) Conflict with or obstruct a state or local plan for renewable energy or energy efficiency?	☐	☐	☒	☐

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

Less-than-Significant Impact. The project would result in an increase in energy consumption during construction and operation, which are addressed separately below.

Construction Emissions

Electricity Usage

Temporary electric power for as-necessary lighting and electronic equipment, such as computers inside temporary construction trailers, would be provided by SDG&E. The electricity used for such activities would be temporary, would be substantially less than that required for project operation and would therefore have a negligible contribution to the project's overall energy consumption.

Natural Gas Usage

Natural gas is not expected to be required during project construction. Fuels used for construction would primarily consist of diesel and gasoline, which are discussed under the subsection "Petroleum Usage," below. Any minor amounts of natural gas that may be consumed because of project construction would be temporary and negligible, and would not have an adverse effect; therefore, impacts would be less than significant.

Petroleum Usage

Petroleum would be consumed throughout construction of the project. Fuel consumed by construction equipment would be the primary energy resource expended over the course of construction, and VMT associated with the transportation of construction materials and construction worker commutes would also result in petroleum consumption. Heavy-duty construction equipment associated with construction activities and haul trucks involved in relocating dirt around the project site are assumed to use diesel fuel. Construction workers would travel to and from the project site throughout the duration of construction (approximately 15 months). It is assumed that construction workers would travel to and from the project site in gasoline-powered vehicles.

Heavy-duty construction equipment of several types would be used during project construction. CalEEMod was used to estimate construction equipment usage; results are included in Appendix B. The estimated diesel fuel usage from construction equipment, haul trucks, and vendor trucks is estimated at 47,643 gallons of diesel fuel. The total fuel usage associated with worker vehicles is estimated at 10,959 gallons of gasoline. Project construction would represent a "single-event" petroleum demand and would not require on-going or permanent commitment of petroleum resources for this purpose. Therefore, the impacts would be less than significant.

Operational Emissions

Electricity Usage

The operational phase would require electricity for multiple purposes, including building heating and cooling, lighting, and electronics. CalEEMod was used to estimate project emissions from electricity uses (see Appendix B). Default electricity generation rates in CalEEMod were used based on the proposed land use and climate zone. Note that the project would include installing solar photovoltaic (PV) systems sized to generate about 5,200 kilowatt-hours (kWh) per residential unit for 530,400 kWh per year.

Title 24 of the California Code of Regulations serves to enhance and regulate California building standards. The most recent amendments to Title 24, Part 6, referred to as the 2019 standards, became effective on January 1, 2020. According to CalEEMod estimates, the proposed project would consume 694,894 kWh per year during operation. The project would include solar PV systems pursuant to the City's Climate Action Plan (CAP) that generates a minimum of 2 kilowatts per sf of gross floor area. The project would generate a minimum of 283,164 kWh per year (NREL 2023). For context, in 2021, California used approximately 281 billion kWh of electricity (CEC 2022a). Locally, in 2021, total electricity demand in San Diego County was approximately 19 billion kWh (CEC 2022a).

The project proposes residential and commercial uses reflecting contemporary energy efficient/ energy conserving designs and operational programs. Uses proposed by the project are not inherently energy intensive, and the project electricity demands in total would be comparable to other projects of similar scale and configuration. Additionally, the project would be required to comply with the applicable Title 24 standards which would further ensure that the project energy demands would not be inefficient, wasteful, or otherwise unnecessary and impacts would be less than significant.

Natural Gas Usage

The operation would require natural gas for various purposes, including water heating and natural gas appliances. Natural gas consumption associated with operation is based on the CalEEMod outputs presented in Appendix B, CalEEMod default values for natural gas usage were assumed for the project; however, based on the City's policies in the CAP, the site may be conditioned to be all-electric. This analysis provides a conservative estimate of natural gas usage.

As explained above, Title 24 of the California Code of Regulations serves to enhance and regulate California's building standards and 2019 standards are the current standards. According to CalEEMod estimates, the proposed project would consume 2,699,982 kilo-British thermal units (kBtu) per year. For context, in 2021, California consumed approximately 1,191 trillion kBtus of natural gas (CEC 2022b). Locally, in 2021, residential and non-residential uses in San Diego County consumed about 52 trillion kBtu of natural gas (CEC 2022b). As supported by the preceding discussions, project natural gas consumption would not be considered inefficient, wasteful, or otherwise unnecessary and impacts would be less than significant.

Petroleum Usage

During operations, most of the project's fuel consumption would involve the use of motor vehicles traveling to and from the project site by residents, customers, and employees.

Petroleum fuel consumption associated with motor vehicles traveling to and from the project site is a function of the VMT due to project operation. As shown in Appendix B, the annual VMT attributable to the proposed project were estimated based on project-specific trip generation information and CalEEMod default values for the proposed land use. Like the construction worker and truck trips, fuel consumption from residents, customers, and employees is estimated by converting the total CO_2 emissions from operation of the project to gallons using the conversion factors for CO_2 to gallons of gasoline or diesel. Based on the annual fleet mix provided in CalEEMod, approximately 96% of the fleet are assumed to run on gasoline, while the remaining 4% are assumed to run on diesel. In the first year of assumed operations (2026), the proposed project would consume approximately 137,440 gallons of gasoline, and 4,630 gallons of diesel from vehicle travel.

Trip generation and VMT generated by the project are consistent with other mixed uses of similar scale and configuration. That is, the project does not propose uses or operations that would inherently result in excessive and wasteful vehicle trips and VMT, nor associated excess and wasteful vehicle energy consumption.

Enhanced fuel economies realized pursuant to federal and state regulatory actions, and related transition of vehicles to alternative energy sources (e.g., electricity, natural gas, biofuels, hydrogen cells) would decrease future gasoline fuel demands per VMT. The project would implement sidewalks, facilitating and encouraging pedestrian access. In compliance with CALGreen, the project would promote the use of bicycles as an alternative means of transportation by providing short-term and/or long-term bicycle parking accommodations. Facilitating pedestrian and bicycle access for employees would reduce VMT and associated energy consumption. As supported by the preceding discussions, project transportation energy consumption would not be considered inefficient, wasteful, or otherwise unnecessary and impacts would be less than significant.

Renewable Energy Potential

As part of the project's design process, the project applicant considered how the project could potentially increase its reliance on renewable energy sources to meet the project's energy demand. Renewable energy sources that were considered for their potential to be used to power the project, consistent with the California Energy Commission's definition of eligible renewables, include biomass, geothermal, solar, wind, and small hydroelectric facilities.

Given the project's location in an urban area and the nature of the project, there are considerable site constraints, including limited land availability, incompatibility with on-site and surrounding land uses for large scale power generation facilities, unknown interconnection feasibility, compatibility with utility provider systems, and no known water or geothermal resources to harness, that would eliminate the potential for biomass, geothermal, and hydroelectric renewable energy to be installed on site.

Regarding wind power, due to the urban nature of the site and surrounding land uses, wind turbines are not feasible as it represents an incompatible use. Specifically, a general rule of thumb is to install a wind turbine on a tower with the bottom of the rotor blades at least 30 feet above anything within a 500-foot horizontal radius and to be sited upwind of buildings and trees (APA 2011; NREL 2015), which the project site cannot accommodate.

Regarding solar power, the project would install solar PV systems consistent with the CAP requirements on the 102 townhomes. Each system would be sized to generate about 5,200 kWh per residential unit for a total of 530,400 kWh per year. While the project does not propose battery storage at this time, the project does not preclude installation of battery storage in the future if determined to be a feasible and compatible land use of the site.

The City's CAP includes measure E-2, which requires solar PV installation for non-residential projects. Given the programmatic nature of a specific plan, some of the commercial building layouts, design, and end uses, may still be refined, as such the feasibility of solar PV on the commercial portion is still being determined. The final determination of feasibility will be made consistent with the City's CAP.

In summary, the project includes the on-site renewable energy source (i.e., solar) that was determined to be feasible for the site and does not include the on-site renewable energy sources that were determined to be infeasible.

As explained above, the project would use renewable energy on site as determined to be feasible and would not result in wasteful, inefficient, or unnecessary consumption of energy resources, including electricity, natural gas, or petroleum during project construction or operation. Impacts would be less than significant.

b) Would the project conflict with or obstruct a state or local plan for renewable energy or energy efficiency?

Less-than-Significant Impact. The project would be subject to and would comply with, at a minimum, the California Building Energy Efficiency Standards (24 CCR, Part 6). Part 6 of Title 24 establishes energy efficiency standards for residential and non-residential buildings constructed in California to reduce energy demand and consumption. The proposed project would also be subject to Part 11 of Title 24, also known as the CALGreen building standards. These were adopted into the City's building design criteria. Furthermore, the project would be consistent with the City's CAP Consistency Checklist measures, such as

through its implementation of EV charging stations and PV panels, which would further reduce operational energy use. The proposed project would be built and operated in accordance with all existing, applicable regulations at the time of construction. For these reasons stated, the proposed project would result in a less-than-significant impact associated with the potential to conflict with energy standards and regulations.

2.7 Geology and Soils

	Potentially Significant Impact	Less Than Significant Impact With Mitigation Incorporated	Less Than Significant Impact	No Impact
VII. GEOLOGY AND SOILS – Would the project:				
a) Directly or indirectly cause potential substantial adverse effects, including the risk of loss, injury, or death involving:				
i) Rupture of a known earthquake fault, as delineated on the most recent Alquist-Priolo Earthquake Fault Zoning Map issued by the State Geologist for the area or based on other substantial evidence of a known fault? Refer to Division of Mines and Geology Special Publication 42.	☐	☐	☒	☐
ii) Strong seismic ground shaking?	☐	☐	☒	☐
iii) Seismic-related ground failure, including liquefaction?	☐	☐	☒	☐
iv) Landslides?	☐	☐	☐	☒
b) Result in substantial soil erosion or the loss of topsoil?	☐	☐	☒	☐
c) Be located on a geologic unit or soil that is unstable, or that would become unstable as a result of the project, and potentially result in on- or off-site landslide, lateral spreading, subsidence, liquefaction or collapse?	☐	☐	☐	☒
d) Be located on expansive soil, as defined in Table 18-1-B of the Uniform Building Code (1994), creating substantial direct or indirect risks to life or property?	☐	☐	☒	☐
e) Have soils incapable of adequately supporting the use of septic tanks or alternative wastewater disposal systems where sewers are not available for the disposal of wastewater?	☐	☐	☐	☒
f) Directly or indirectly destroy a unique paleontological resource or site or unique geologic feature?	☐	☒	☐	☐

The following analysis is based, in part, on the Geotechnical Evaluation prepared by GeoTek in June 2021, which is included as Appendix E to this EIR.

a) Would the project directly or indirectly cause potential substantial adverse effects, including the risk of loss, injury, or death involving:

i) Rupture of a known earthquake fault, as delineated on the most recent Alquist-Priolo Earthquake Fault Zoning Map issued by the State Geologist for the area or based on other substantial evidence of a known fault? Refer to Division of Mines and Geology Special Publication 42.

ii) Strong seismic ground shaking?

Less-than-Significant Impact. The project site is located in tectonically active southern California. However, no active or potentially active fault is known to exist at the project site, nor is the site situated within an Alquist-Priolo Earthquake Fault Zone. The nearest fault, the Newport-Ingelwood Rose Canyon Fault is located approximately 11.6 miles west of the site (Appendix E). Based on the lack of active or potentially active faults underlying the project area, the potential for surface rupture is low and the project site would not be subject to a greater seismic risk than other locations within the region. Additionally, per the Alquist-Priolo Earthquake Fault Zoning Act, because the project site is not located in an Alquist Priolo Fault Zone, the proposed project would not place any prohibited uses (e.g., uses containing structures with a capacity of 300 people or more; uses with the potential to severely damage the environment or cause major loss of life; or specific civic uses including police and fire stations, schools, hospitals, rest homes, nursing homes, and emergency communication facilities) within an Alquist–Priolo Fault Zone. Thus, the potential for loss, injury, or death involving rupture of a known earthquake fault is considered low.

The proposed project would be designed in accordance with applicable CBC criteria, including those specific to resistance to seismic shaking. Furthermore, the proposed project would be constructed in accordance with other applicable regulations, current seismic design specifications of the Structural Engineers Association of California, and applicable requirements of the California Occupational Safety and Health Administration. These required seismic design considerations are used to minimize structural damage in the event of ground shaking. As such, for the reasons described above, the proposed project's impacts associated with rupture of a known earthquake fault and strong seismic ground shaking would be less than significant.

iii) Seismic-related ground failure, including liquefaction?

Less-than-Significant Impact. Liquefaction typically occurs when a site is subjected to strong seismic shaking, on-site soils are cohesionless, groundwater is encountered within 50 feet of the surface, and soil relative densities are less than approximately 70%. During a Geotechnical evaluation of the site, groundwater was encountered at a depth ranging from 16.5 to 17 feet below the existing ground surface; however, liquefaction and seismic settlement potential on the site are considered negligible due to the presence of shallow bedrock and the cohesive nature of the on-site older alluvium. Therefore, project impacts associated with liquefaction would be less than significant.

iv) Landslides?

No Impact. The project site is flat and primarily consists of paved areas. The project site is identified in the City's Safety Element as having "Zero Susceptibility" to landslides (Figure 6-1 of the General Plan) (City of

San Marcos 2012b). Additionally, the Geotechnical Evaluation determined that the potential for landslides to occur on-site is negligible. Therefore, the project site is not considered susceptible to landslides and no impacts would occur.

b) Would the project result in substantial soil erosion or the loss of topsoil?

Less-than-Significant Impact. The project site is flat and primarily consists of paved areas. During re-development, the proposed project would be required to comply with the City's Grading Ordinance, which contains design standards and performance requirements that must be met to avoid or reduce, to an acceptable level, excessive erosion. Furthermore, in accordance with Municipal Code requirements, the proposed project would implement all recommendations pertaining to soil erosion or loss of topsoil as contained within the Geotechnical Evaluation prepared for the project (Appendix E). As such, impacts related to soil erosion and the loss of topsoil would be less than significant.

c) Would the project be located on a geologic unit or soil that is unstable, or that would become unstable as a result of the project, and potentially result in on- or off-site landslide, lateral spreading, subsidence, liquefaction or collapse?

No Impact. As described above, the project site is flat, currently consisting of existing development and paved parking. The Geotechnical Evaluation determined that the potential for landslides, liquefaction, or slope instabilities to occur is negligible (Appendix E). The proposed project would be required to comply with the recommendations of the Geotechnical Evaluation prepared for the project regarding earthwork activities. Therefore, no impacts would occur.

d) Would the project be located on expansive soil, as defined in Table 18-1-B of the Uniform Building Code (1994), creating substantial direct or indirect risks to life or property?

Less-than-Significant Impact. The Geotechnical Evaluation determined that the potential for on-site soil expansion ranges from "low" to "very high." The proposed project, however, would be required to comply with the recommendations established in the Geotechnical Evaluation regarding earthwork activities (Appendix E). As such, impacts related to expansive soils would be less than significant.

e) Would the project have soils incapable of adequately supporting the use of septic tanks or alternative wastewater disposal systems where sewers are not available for the disposal of wastewater?

No Impact. The proposed project would not include septic tanks or alternative wastewater disposal systems. As described in Section 2.19, Utilities and Service Systems, the proposed project would construct private on-site sewer lines which would connect to existing City infrastructure. Therefore, no impacts would occur.

f) Would the project directly or indirectly destroy a unique paleontological resource or site or unique geologic feature?

Less-than-Significant Impact with Mitigation Incorporated. A significant impact may occur if grading or excavation activities would disturb paleontological resources within the project site. The project site has been previously graded and consists of disturbed, paved land. Previous on-site development activities affected the entirety of the project site, and as such, it follows that any paleontological resources that may have once been located on the project site could have been previously disturbed. However, the possibility

of a paleontological discovery cannot be discounted. Accordingly, destruction of paleontological resources or unique geologic features during site-disturbing activities associated with construction of the proposed project is considered a potential significant impact. Therefore, mitigation measure **MM-GEO-1** is provided and would be implemented to ensure potential impacts during construction activities to paleontological resources or unique geologic features are reduced to a less-than-significant level.

Mitigation Measures

MM-GEO-1 In the event that paleontological resources (fossil remains) are exposed during construction activities for the proposed project, all construction work occurring within 50 feet of the find shall immediately stop until a qualified paleontologist, as defined by the Society of Vertebrate Paleontology's 2010 guidelines, can assess the nature and importance of the find. Depending on the significance of the find, the paleontologist may record the find and allow work to continue or recommend salvage and recovery of the resource. All recommendations will be made in accordance with the Society of Vertebrate Paleontology's 2010 guidelines and shall be subject to review and approval by the City of San Marcos. Work in the area of the find may only resume upon approval of a qualified paleontologist.

2.8 Greenhouse Gas Emissions

	Potentially Significant Impact	Less Than Significant Impact With Mitigation Incorporated	Less Than Significant Impact	No Impact
VIII. GREENHOUSE GAS EMISSIONS – Would the project:				
a) Generate greenhouse gas emissions, either directly or indirectly, that may have a significant impact on the environment?	☐	☐	☒	☐
b) Conflict with an applicable plan, policy or regulation adopted for the purpose of reducing the emissions of greenhouse gases?	☐	☐	☒	☐

The section herein is based on findings from the Air Quality and Greenhouse Gas Technical Report prepared for the proposed project, included as Appendix B to this IS/MND.

a) Would the project generate greenhouse gas emissions, either directly or indirectly, that may have a significant impact on the environment?

b) Would the project generate conflict with an applicable plan, policy or regulation adopted for the purpose of reducing the emissions of greenhouse gases?

Less-than-Significant Impact.

Construction Emissions

Construction of the project would result in greenhouse gas (GHG) emissions, which are primarily associated with the use of off-road construction equipment, haul trucks, on-road vendor trucks, and worker vehicles.

Construction of the project is anticipated to commence in February 2024 and would last approximately 15 months, ending in May 2025. On-site sources of GHG emissions include off-road equipment and off-site sources including vendor trucks and worker vehicles. Table 16 in Appendix B presents construction emissions for the project in 2024 through 2025 from on-site and off-site emission sources. As shown in Table 16 of Appendix B, the estimated total GHG emissions during construction of the project would be approximately 583 MT CO2e over the construction period. Estimated project-generated construction emissions amortized over 30 years would be approximately 19 MT CO2e per year. As with project-generated construction criteria air pollutant emissions, GHG emissions generated during construction of the project would be short-term in nature, lasting only for the duration of the construction period, and would not represent a long-term source of GHG emissions.

Operational Emissions

Operation of the project would generate GHG emissions through vehicle trips by residents, employees, customers, and visitors to and from the project site; landscape maintenance equipment operation; energy use (natural gas and generation of electricity consumed by the project); solid waste disposal; and generation of electricity associated with water supply, treatment, and distribution and wastewater treatment. The estimated operational project-generated GHG emissions are shown in Table 17 of Appendix B. As shown in Table 17 of Appendix B, estimated annual project-generated GHG emissions would be approximately 1,641 MT CO_2e per year as a result of project operation; with amortized construction emissions of approximately 19 MT CO_2e per year, total project emissions would be approximately 1,660 MT CO_2e per year.

City of San Marcos' Climate Action Plan Consistency

This section evaluates the project's impacts to GHG in accordance with the City's 2020 CAP Consistency Checklist. A completed CAP Checklist is included as Appendix B. New discretionary development projects subject to CEQA review that are below the applicable screening size listed in the CAP Checklist would emit less than 500 MT CO_2e annually and would not contribute considerably to cumulative climate change impacts, and therefore, would be considered consistent with the CAP and associated emissions projections. As shown in Table 17 of Appendix B, GHG emissions would exceed 500 MT CO_2e, therefore a CAP consistency review is required.

For projects that are subject to CAP consistency review, the next step in determining consistency is to assess the project's consistency with the growth projections used in development of the CAP. This section allows the City to determine a project's consistency with the land use assumptions used in the CAP. As outlined in detail in Section 4.5 of Appendix B, the project was shown to implement all applicable checklist items within the City's CAP. Therefore, the project would be consistent with the City's CAP, and impacts to GHG emissions would be less than significant.

Consistency with Senate Bill 32, Assembly Bill 1279, and Executive Order S-3-05

Executive Order (EO) S-3-05 identified the following goals: GHG emissions should be reduced to 2000 levels by 2010, to 1990 levels by 2020, and to 80% below 1990 levels by 2050. SB 32 establishes a statewide GHG emissions reduction target whereby CARB, in adopting rules and regulations to achieve the maximum technologically feasible and cost-effective GHG emissions reductions, shall ensure that statewide GHG emissions are reduced to at least 40% below 1990 levels by December 31, 2030. AB 1279 establishes a policy of the state to achieve net zero GHG emissions no later than 2045 and for statewide anthropogenic GHG emissions to be reduced to at least 85% below 1990 levels by 2045.

CARB is responsible for preparing a "Scoping Plan" for achieving the maximum technologically feasible and cost-effective GHG emission reductions required by regulatory action and to update the plan at least once every 5 years. The Scoping Plan recommends strategies for implementation at the statewide level to meet the goals of AB 32, SB 32, and the EOs and establishes an overall framework for the measures that will be adopted to reduce California's GHG emissions. Each Scoping Plan builds upon the successful framework established by the initial Scoping Plan and subsequent updates, while also identifying new, technologically feasible, and cost-effective strategies to ensure that California meets increasingly stringent GHG reduction targets in a way that promotes and rewards innovation, continues to foster economic growth, and delivers improvements to the environment and public health, including in disadvantaged communities. The Scoping Plan updates have continued to express optimism in meeting future year targets of 2050 and 2030, as evaluated in the 2014 and 2017 Scoping Plans (respectively), and most recently, the 2045 goal addressed in the 2022 Scoping Plan under EO B-55-18, which AB 1279 codified and expanded on.

While there are no established protocols or Thresholds of significance for that future year analysis, CARB forecasted in the 2014 Scoping Plan that compliance with the current Scoping Plan would put the state on a trajectory of meeting the long-term 2050 GHG goals, although the specific path to compliance was unknown at the time (CARB 2014). The 2017 Scoping Plan outlined a strategy to achieve the 2030 GHG reduction target. The proposed scenario in the 2022 Scoping Plan lays out a path not just to carbon neutrality by 2045, but also to the 2030 GHG emissions reduction target (CARB 2022). The modeling indicates that, if the plan described in the proposed scenario is fully implemented, and done so on schedule, the state is on track to reduce its emissions to 260 MMT CO_2e by 2030 (CARB 2022).

The City's CAP outlines the measures for the City to achieve its share of state GHG reductions. The City's GHG reduction targets are consistent with the CARB's recommendations for community-wide targets. As discussed in the CAP, by meeting the 2030 target, the City will meet the 2030 state goal identified in SB 32 and maintain a trajectory to meet its proportional share of the 2050 target identified in EO S-3-05. Regarding, AB 1279, it is important to note that the state's carbon neutrality goal does not preclude any individual project from emitting GHG emissions. AB 1279 codifies EO B-55-18; however, its enactment was linked to the concurrent enactment of SB 905, which requires CARB to create a Carbon Capture, Removal, Utilization, and Storage Program that, fundamentally, will sequester carbon emitted by other projects. Therefore, the state's carbon neutrality goal does not preclude all individual projects from emitting GHG emissions.

As discussed above, the project would be consistent with the CAP and, therefore, would be consistent with state GHG reduction goals and progress towards achieving carbon neutrality.

Consistency with SANDAG Regional Transportation Plan/Sustainable Communities Strategy

At the regional level, the SANDAG's RTP/SCS has been adopted for the purpose of reducing GHG emissions attributable to passenger vehicles in the San Diego region. In October 2015, SANDAG adopted its Regional Plan, which was subsequently updated in 2021. The RTP/SCS is not directly applicable to the project because the underlying purpose of the RTP/SCS is to provide direction and guidance on future regional growth (i.e., the location of new residential and nonresidential land uses) and transportation patterns throughout the City and greater San Diego County, as stipulated under SB 375. CARB has recognized that the approved RTP/SCS is consistent with SB 375. The SANDAG Regional Plan is generally consistent with the local government plans. Since the project is within the scope of development that was anticipated in the General Plan (see Section 2.3[a]), it would not result in growth that would conflict with the Regional Plan.

Based on the preceding considerations, the project would not conflict with an applicable plan adopted for the purpose of reducing GHG emissions or generate GHG emissions that would have a significant impact on the environment; therefore, the project's impacts on GHG emissions would be less than significant.

2.9 Hazards and Hazardous Materials

	Potentially Significant Impact	Less Than Significant Impact With Mitigation Incorporated	Less Than Significant Impact	No Impact
IX. HAZARDS AND HAZARDOUS MATERIALS – Would the project:				
a) Create a significant hazard to the public or the environment through the routine transport, use, or disposal of hazardous materials?	☐	☐	☒	☐
b) Create a significant hazard to the public or the environment through reasonably foreseeable upset and accident conditions involving the release of hazardous materials into the environment?	☐	☒	☐	☐
c) Emit hazardous emissions or handle hazardous or acutely hazardous materials, substances, or waste within one-quarter mile of an existing or proposed school?	☐	☐	☒	☐
d) Be located on a site that is included on a list of hazardous materials sites compiled pursuant to Government Code Section 65962.5 and, as a result, would it create a significant hazard to the public or the environment?	☐	☐	☒	☐

	Potentially Significant Impact	Less Than Significant Impact With Mitigation Incorporated	Less Than Significant Impact	No Impact
e) For a project located within an airport land use plan or, where such a plan has not been adopted, within two miles of a public airport or public use airport, would the project result in a safety hazard or excessive noise for people residing or working in the project area?	☐	☐	☒	☐
f) Impair implementation of or physically interfere with an adopted emergency response plan or emergency evacuation plan?	☐	☐	☒	☐
g) Expose people or structures, either directly or indirectly, to a significant risk of loss, injury or death involving wildland fires?	☐	☐	☒	☐

The following analysis is based, in part, on the Phase I Environmental Site Assessment prepared for the project by Dudek in December 2022, which is included as Appendix F to this EIR.

a) Would the project create a significant hazard to the public or the environment through the routine transport, use, or disposal of hazardous materials?

Short-Term Construction Impacts

Less-than-Significant Impact. Potentially hazardous materials would likely be handled on the project site as part of project construction. These materials would include gasoline, diesel fuel, lubricants, and other petroleum-based products required to operate and maintain construction equipment. Handling of these potentially hazardous materials would be temporary and would coincide with the short-term construction phase of the project.

Although these materials would likely be stored on the project site, storage would be required to comply with the guidelines set forth by each product's manufacturer and with all applicable federal, state, and local regulations pertaining to the storage of hazardous materials. Consistent with federal, state, and local requirements, the transport of hazardous materials to and from the project site would be conducted by a licensed contractor. Any handling, transport, use, or disposal of hazardous materials would comply with all relevant federal, state, and local agencies and regulations, including the U.S. Environmental Protection Agency, the California Department of Toxic Substances Control, the California Occupational Safety and Health Administration, Caltrans, the Resource Conservation and Recovery Act, the SCAQMD, and the County Fire Department Hazardous Materials Division. Therefore, short-term construction impacts related to the transport, use, or disposal of hazardous materials would be less than significant.

Long-Term Operational Impacts

Less-than-Significant Impact. As a residential mixed-use land use, potentially hazardous materials associated with operation of the project would include those materials typically associated with cleaning and maintenance activities. Although these materials would vary, they would generally include household cleaning products, solvents, paints, fertilizers, and herbicides and pesticides. Many of these materials are considered household hazardous wastes, common wastes, and universal wastes by the U.S. Environmental Protection Agency, which considers these types of wastes common to businesses and households and to pose a lower risk to people and the environment than other hazardous wastes when properly handled, transported, used, and disposed of (EPA 2022). Federal, state, and local regulations typically allow these types of wastes to be handled and disposed of under less-stringent standards than other hazardous wastes, and many of these wastes do not need to be managed as hazardous waste.

In addition, any potentially hazardous material handled on the project site would be limited in quantity and concentration, consistent with other similar residential uses located in the City, and any handling, transport, use, and disposal of such material would comply with applicable federal, state, and local agencies and regulations. In addition, as mandated by the Occupational Safety and Health Administration, all hazardous materials stored on the project site would be accompanied by a Materials Safety Data Sheet, which would inform on-site personnel and residents of the necessary remediation procedures in the case of accidental release (OSHA 2012). Therefore, long-term operational impacts associated with the use, transport, and disposal of hazardous materials would be less than significant.

b) Would the project create a significant hazard to the public or the environment through reasonably foreseeable upset and accident conditions involving the release of hazardous materials into the environment?

Less-than-Significant Impact with Mitigation Incorporated. In December 2022, a Phase I ESA (Appendix F) was prepared by Dudek in accordance with American Society of Testing and Materials Standards and Standards and Practices for All Appropriate Inquiries. The Phase I ESA covered the entirety of the project site.

Historical uses of the project site included commercial and industrial uses. The site was partially developed with several commercial/industrial buildings by 1964. Las Posas Creek, which transects the project site, was improved by 1970, and several more industrial buildings were constructed, including the concrete and metal industrial buildings on the northwest corner of the project site. By the mid-1980s, the project site was mostly developed or paved with the exception of a small area east of the creek in the center of the project site. Businesses included construction and hardware suppliers, auto repair shops, a car dealership, and concrete and metal manufacturers. By 2011, most of the buildings were removed with the exception of the construction company building in the southern portion of the project site, which was demolished in 2013. The creek was widened and improved with a bridge constructed across it in 2019.

Based on the results of the research, available data, and a site survey, the Phase I ESA (Appendix F) did not identify any recognized environmental conditions, but the Phase I ESA did identify historical recognized environmental conditions, controlled recognized environmental conditions, and a vapor encroachment condition. To ensure this contamination does not threaten the health of future occupants of the project site, implementation of mitigation measure **MM-HAZ-1** shall be required. MM-HAZ-1 would require the preparation of a soil management plan (SMP) prior to construction of the project site. Implementation of

MM-HAZ-1 would ensure that previous contamination would not result in adverse health and safety impacts to construction workers, future residents and visitors of the site, nor off-site land uses.

Furthermore, 1023 and 1031 Grand Avenue were neighboring businesses formerly on the western portion of the project site that conducted metal fabrication, auto repair, and manufacturing. Site features of concern included a former septic tank, former septic leach field, former parts washers, a wastewater trench drain, and former burial and forming pits. Site assessment, remediation, and monitoring for fuel-related chemicals (petroleum hydrocarbons) and VOCs were conducted between 2006 and 2011. Soil and groundwater data indicated that the primary contaminant of concern was petroleum hydrocarbons. A mitigation plan, based on the proposed commercial use of the site, was approved by the County of San Diego DEHQ in 2012. Mitigation activities included excavation and off-site disposal of contaminated soils and further evaluation of the trench drain, as well as soil excavation, soil stockpile sampling, groundwater sampling, backfilling areas with clean fill, analysis of vapor risk, and dewatering and off-site disposal of extracted groundwater. The 2012 Closure Report by GeoEnviro Services, Inc. indicates that mitigation goals (established for the proposed commercial use of the site) were met. According to the data in the 2012 report, there are a couple locations where soil was just above the residential regulatory screening level for diesel. Case closure was granted by DEHQ in July 2012 following the completion of the site mitigation plan. The closure is based on commercial use of the site. DEHQ stated in the closure letter (DEHQ 2012) that "changes to this land use may require reassessment…to determine if the revised land use could result in a risk to public health." If this portion of the project site is to be developed for residential use, concurrence would need to be obtained from DEHQ given the condition in their closure letter. DEHQ could require sampling in certain locations or they may be satisfied with the implementation of the SMP described in MM-HAZ-1. The project applicant would be required to comply with all DEHQ requirements prior to project construction.

With implementation of MM-HAZ-1, and required compliance with all applicable regulations, impacts would be considered less than significant with mitigation incorporated.

c) Would the project emit hazardous emissions or handle hazardous or acutely hazardous materials, substances, or waste within one-quarter mile of an existing or proposed school?

Less-than-Significant Impact. Land uses and activities typically associated with hazardous emissions or handling of hazardous or acutely hazardous materials, substances, or waste include manufacturing, research, and industrial uses. The project would not include any such uses or activities. During construction of the project, MM-HAZ-1, as discussed above, would ensure impacts due to contaminated soils on site would be mitigated to a less-than-significant level.

The nearest school to the project site is the Little People Preschool and Daycare located 707 feet south of the project's southern boundary. Although the project would be located within 0.25 miles of a school, the project would not emit hazardous emissions or include handling of hazardous or acutely hazardous materials, substances, or wastes. Therefore, impacts associated with the emitting or handling or hazardous materials within 0.25 miles of a school would be less than significant.

d) Would the project be located on a site that is included on a list of hazardous materials sites compiled pursuant to Government Code Section 65962.5 and, as a result, would it create a significant hazard to the public or the environment?

Less-than-Significant Impact. The following hazardous waste site lists, including the California Department of Toxic Substances Control's EnviroStor database, the State Water Resources Control Board's GeoTracker site, the Cortese list, or other lists compiled pursuant to Section 65962.5 of the Government Code, were reviewed, and the project appeared on one of these lists (CalEPA 2022; DTSC 2022; SWRCB 2022). Two former leaking underground storage tank (LUST) cases were identified on the project site on the State Water Resources Control Board's GeoTracker site (SWRCB 2022). The former LUST case on the eastern end of the project site was granted regulatory closure in 1988, and the former LUST case on the southern end of the project site was granted regulatory closure in 2017.

Cases are considered closed when the appropriate regulatory agency has determined that no further action is required for further land use because actions were taken to adequately remediate the release, or because the release was minor, presents no environmental risk, and no remedial action is necessary. Though closed, they remain on the Cortese List for informational purposes.

Furthermore, as described in response to Threshold b) above, 1023 and 1031 Grand Avenue were neighboring businesses formerly on the western portion of the project site that conducted metal fabrication, auto repair, and manufacturing. Site features of concern included a former septic tank, former septic leach field, former parts washers, a wastewater trench drain, and former burial and forming pits. Site assessment, remediation, and monitoring for fuel-related chemicals (petroleum hydrocarbons) and VOCs was conducted between 2006 and 2011. Soil and groundwater data indicated that the primary contaminant of concern was petroleum hydrocarbons. A mitigation plan, based on the proposed commercial use of the site, was approved by the County of San Diego DEHQ in 2012. Mitigation activities included excavation and off-site disposal of contaminated soils and further evaluation of the trench drain, as well as soil excavation, soil stockpile sampling, groundwater sampling, backfilling areas with clean fill, analysis of vapor risk, and dewatering and off-site disposal of extracted groundwater. The 2012 Closure Report by GeoEnviro Services, Inc. indicates that mitigation goals (established for the proposed commercial use of the site) were met. According to the data in the 2012 report, there are a couple locations where soil was just above the residential regulatory screening level for diesel. Case closure was granted by DEHQ in July 2012 following the completion of the site mitigation plan. The closure is based on commercial use of the site. DEHQ stated in the closure letter (DEHQ 2012) that "changes to this land use may require reassessment…to determine if the revised land use could result in a risk to public health." If this portion of the project site is to be developed for residential use, concurrence would need to be obtained from DEHQ given the condition in their closure letter. DEQH could require sampling in certain locations or they may be satisfied with the implementation of the SMP, as required by **MM-HAZ-1**. The project applicant would be required to comply with all DEQH requirements prior to project construction.

For the reasons outlined above, impacts associated with hazardous materials sites would be less than significant.

e) For a project located within an airport land use plan or, where such a plan has not been adopted, within two miles of a public airport or public use airport, would the project result in a safety hazard or excessive noise for people residing or working in the project area?

Less-than-Significant Impact. The closest airport to the project site is the McClellan-Palomar Airport, which is located approximately 5 miles west of the project site. The project site is not located within any of the McClellan-Palomar Airport Influence Areas Safety Zones. The majority of the City, including the project site, is within McClellan-Palomar Airport Influence Area Review Area 2 (San Diego County Regional Airport Authority 2011). Review Area 2 is within the airspace protection and/or overflight notification areas. There are limits on the heights of structures in areas of high terrain, which would not apply to the project (City of San Marcos 2012b). Therefore, this impact would be less than significant.

f) Would the project impair implementation of or physically interfere with an adopted emergency response plan or emergency evacuation plan?

Less-than-Significant Impact. According to the General Plan Safety Element, the San Marcos Emergency Operations Plan governs the operations of the City during a disaster. This plan addresses response to moderate evacuation scenarios, including the identification of evacuation points and general routes (City of San Marcos 2012b).

The proposed project would be required to abide by the standards set forth in the San Marcos Emergency Operations Plan. Implementation of the proposed project is not expected to impact any roadway or staging areas that are identified in any emergency planning documents and would not impair implementation of or physically interfere with an adopted emergency response plan or emergency evacuation plan. As required under the California Fire Code, the proposed project would be required to present development plans which afford fire and emergency responders suitable fire access roads dimensions and surfaces (Chapter 5, Section 503.1 through Section 503.4 of the California Fire Code), an adequate number of emergency rated entrances to the community (Appendix D, Section D106 of the California Fire Code), and entryway gate access for first responders (Chapter 5 of the California Fire Code, Section 503.6). The proposed point of entry will be reviewed by the San Marcos Fire Department (SMFD) and would be required to meet the qualifications for emergency access to and from the project site. Therefore, it is determined that impacts related to emergency response or emergency evacuation as a result of the proposed project would be less than significant.

g) Would the project expose people or structures, either directly or indirectly, to a significant risk of loss, injury or death involving wildland fires?

Less-than-Significant Impact. The project site is not located in any fire hazard severity zones (CAL FIRE 2022), nor is the project site located near any local responsibility areas or state responsibility areas. The project site is a previously developed vacant lot that is relatively flat and shows signs of previous disturbance. The proposed project would be required to comply with all applicable state and local fire codes, including compliance with the California Fire Code and SMFD, which require a design that affords fire and emergency responders suitable fire access roads dimensions and surfaces (Chapter 5, Sections 503.1 through Section 503.4 of the California Fire Code).

For the reasons stated above, and considering the project site is located in an urbanized area surrounded on all sides by existing development, implementation of the proposed project would not expose people or structures to risk of loss, injury, or death involving wildfires, and impacts would be less than significant.

Mitigation Measures

MM-HAZ-1 Soil Management Plan. Prior to commencement of construction or excavation activities, a Soil Management Plan (SMP) shall be prepared for use during earthmoving activities to address potential residual impacts in soil from prior releases on the project site, as well as potential unknown impacts that could be encountered (e.g., USTs). Known areas of concern include very limited areas of diesel in soil at 1010 Linda Vista Drive and 1023/1031 Grand Avenue. There was also a former tank at 961 Grand Avenue; soil beneath the tank was reportedly clean, however, the location could be noted in the SMP in an abundance of caution. Details regarding the former impacts are discussed in the December 2022 Phase I ESA prepared by Dudek and other pertinent publicly available cleanup reports. The SMP shall identify these known areas of concern and include training procedures for identification of contamination, if present. The SMP shall describe procedures for assessment, characterization, management, and disposal of hazardous constituents, materials, and wastes, in accordance with all applicable state and local regulations. Contaminated soils shall be managed and disposed of in accordance with local and state regulations. The SMP shall include health and safety measures, which may include but are not limited to periodic work breathing zone monitoring and monitoring for volatile organic compounds using a handheld organic vapor analyzer in the event impacted soils are encountered during excavation activities.

2.10 Hydrology and Water Quality

	Potentially Significant Impact	Less Than Significant Impact With Mitigation Incorporated	Less Than Significant Impact	No Impact
X. HYDROLOGY AND WATER QUALITY – Would the project:				
a) Violate any water quality standards or waste discharge requirements or otherwise substantially degrade surface or ground water quality?	☐	☐	☒	☐
b) Substantially decrease groundwater supplies or interfere substantially with groundwater recharge such that the project may impede sustainable groundwater management of the basin?	☐	☐	☒	☐
c) Substantially alter the existing drainage pattern of the site or area, including through the alteration of the course of a stream or river or through the addition of impervious surfaces, in a manner which would:				

	Potentially Significant Impact	Less Than Significant Impact With Mitigation Incorporated	Less Than Significant Impact	No Impact
i) result in substantial erosion or siltation on- or off-site;	☐	☐	☒	☐
ii) substantially increase the rate or amount of surface runoff in a manner which would result in flooding on- or offsite;	☐	☐	☒	☐
iii) create or contribute runoff water which would exceed the capacity of existing or planned stormwater drainage systems or provide substantial additional sources of polluted runoff; or	☐	☐	☒	☐
iv) impede or redirect flood flows?	☐	☐	☒	☐
d) In flood hazard, tsunami, or seiche zones, risk release of pollutants due to project inundation?	☐	☐	☐	☒
e) Conflict with or obstruct implementation of a water quality control plan or sustainable groundwater management plan?	☐	☐	☒	☐

The following analysis is based, in part, on the Preliminary Drainage Study and Storm Water Quality Management Plans (SWQMPs) prepared for the project by Fuscoe Engineering LLC in March 2023, and on the Water and Sewer Study prepared by the Vallecitos Water District (VWD) in May 2023, which are included as Appendices I, J, K, and L, respectively, to this EIR.

a) Would the project violate any water quality standards or waste discharge requirements or otherwise substantially degrade surface or ground water quality?

Less-than-Significant Impact. Construction activities associated with the proposed project could result in potential impacts to water quality. In addition to sediment erosion from ground-disturbing activities on the project site, fuels, oils, lubricants, and other hazardous substances used during construction could be released and potentially impact water quality.

The proposed project would be required to comply with the NPDES State Water Resources Control Board Construction General Permit Order No. 2009-0009-DWQ for stormwater discharges and general construction activities, and would incorporate standard construction best management practices (BMPs), such as regular cleaning or sweeping of construction areas and impervious areas, and various erosion and sediment control BMPs, such as filtration media screens, fiber rolls, and de-siltation basins. In compliance with the Construction General Permit, a Stormwater Pollution Prevention Plan will be prepared for the project that would specify erosion and sediment control BMPs that would be implemented during construction to minimize impacts to water quality. Furthermore, project implementation of permanent structural, source control, and site design BMPs would effectively treat post-construction stormwater runoff

prior to discharge from the site in compliance with the requirements of the City's BMP Design Manual and the project's SWQMPs. As outlined in the "West" and "East" SWQMPs (Appendices J and K), the existing site consists of development areas that were previously commercial pads but the buildings have been demolished. The channel that runs through the site was recently improved by the City. The development area had a new storm drain added to collect runoff from the pads and discharge into the improved channel. A bridge was constructed to link to the "West" and "East" sites.

In existing conditions, there are some subtle flow paths where the site drains to the storm drain outlets that were constructed as part of the channel improvements at nodes 200 and 400. The westerly third of the "West" site leads to a local depression near node 10 before spilling out onto the adjacent property to the west. The proposed development areas will be re-graded to ensure that the runoff is routed to the channel. The site has a system of concrete swales and storm drains to collect runoff and convey it to water quality basins and/or underground detention structures for hydromodification storage before being discharged to the channel at nodes 200, 400, and 1,000.

The site has less defined flow paths on the "East" side. It appears that some of the site drains to the newly constructed storm drain at nodes 300, 700, and 900 while other parts may sheet flow over the side of the channel at nodes 600 and 800. The easternmost third of the proposed commercial site is very flat due to the concrete foundations that were left behind. While the flow paths are less definitive, it appears as though it generally flows out through the sheet flow onto Linda Vista Drive. There are storm drain inlets further south down Linda Vista Drive that discharge into the same channel that bisects the project, so any runoff that leaves the project site ultimately ends up in the same channel. The proposed development areas would be re-graded to ensure that the runoff is routed to the channel. Runoff would no longer be allowed to spill out onto the adjacent property to the south or out onto Linda Vista Drive. The proposed residential uses on the "West" site have a system of concrete swales and storm drains to collect runoff and convey it to water quality basins and/or underground detention structures for hydromodification storage being discharged to the channel at nodes 200, 400, and 1,000. The proposed commercial uses on the "East" site have a similar pattern, except that there would be no underground detention, and a storm drain system that outlets to the channel at nodes 300, 700, and 900 would be implemented.

The storm drain system for the proposed project has been designed for the 100-year storm event. Through the use of on-site detention systems, the site has been designed so that the channel would see no increase in flow for the proposed condition. The proposed project would benefit the adjacent properties by eliminating potential vector control issues with localized ponding and re-routing flows that currently lead off-site or add to runoff in the street. In the proposed condition, those off-site runoffs would be captured, treated, for water quality, and safely released to the channel.

The proposed biofiltration features on-site would be subject to regular inspection and maintenance. The property owner is required, pursuant to the City's Municipal Code Section 14.15 and the BMP Design Manual, to enter into a stormwater management and discharge control maintenance agreement for the installation and maintenance of permanent BMPs prior to issuance of permits. Implementation of the proposed project is not anticipated to violate any water quality standards or waste discharge requirements, nor degrade surface or ground water quality. Therefore, impacts associated with water quality, stormwater drainage, and stormwater runoff would be less than significant.

b) Would the project substantially decrease groundwater supplies or interfere substantially with groundwater recharge such that the project may impede sustainable groundwater management of the basin?

Less-than-Significant Impact. As outlined in the Geotechnical Evaluation completed for the project, groundwater was encountered at borings 16.5 and 17 feet below grade (Appendix E). The use of dewatering techniques may be necessary if excavations below the groundwater elevation occur. As described in response to Section 2.10(a), the project would treat storm water runoff through the use of biofiltration basins. All storm water would be adequately treated by the biofiltration basins prior to being discharged to natural/undisturbed areas that could allow the runoff to infiltrate into the ground and eventually reach groundwater. As the project would use biofiltration and BMPs that would effectively treat stormwater runoff, it is not expected that project implementation would have a potentially significant adverse impact on groundwater quality or cause or contribute to an exceedance of applicable groundwater receiving water quality objectives or degradation of beneficial uses. Additionally, in current conditions, the project site is almost entirely developed with impervious surfaces and would remain so following project implementation such that there would not a substantial net increase in impervious surfaces that would reduce groundwater recharge on the site.

A well may be drilled for the East-End Planning Area and West-End Planning Area to provide water for landscape irrigation. Wells shall be subject to approval by the County of San Diego Department of Environmental Health. If utilized, wells and well equipment shall be properly screened using landscaping and/or a fence or structure. The irrigation water usage is estimated at 1 million gallons per year. The San Marcos Area Groundwater Basin is defined by DWR as a very low priority for groundwater overdraft pursuant to the 2014 Sustainable Groundwater Management Act (San Diego County Water Authority 2023). As such, there is currently no sustainable groundwater management plan applicable to the project site. Therefore, the project would not conflict with a sustainable groundwater management plan. Although the project is considering well use for irrigation purposes; it is more likely to utilize irrigation water from VWD.

The project would receive potable water from VWD, who in turn, receives its water from the Metropolitan Water District of Southern California (MWD). MWD obtains water from local sources as well as the Colorado River, via the Colorado River Aqueduct, and the Sacramento-San Joaquin Delta, via the State Water Project (MWD 2021). Implementation of the proposed project would not substantially decrease groundwater basins through increasing water demand on-site or impede sustainable groundwater management of any groundwater basin. Therefore, impacts would be less than significant.

c) Would the project substantially alter the existing drainage pattern of the site or area, including through the alteration of the course of a stream or river or through the addition of impervious surfaces, in a manner which would:

i) Result in substantial erosion or siltation on- or off-site?

Less-than-Significant Impact. Under the existing conditions, the project site has been previously disturbed and is currently developed with paved areas and billboards. The project would involve grading activities that would bring the project site to a flat grade and the construction of new paved surfaces, residential buildings, commercial buildings and landscape areas. The project would also include a new engineered stormwater drainage system that would feature structural, water quality BMPs such as retention facilities to treat and manage stormwater flows.

As outlined in the SWQMPs prepared for the project (Appendices J and K), the receiving channel has been restored and is an actively managed conservation area, which would help with minimizing the potential for soil erosion. Additionally, the project would also include design features to reduce the potential for erosion. The finish grade of the facility would be less than or equal to 2%, as flatter surfaces reduce erosion and channelization within the facility. It is recommended to have the ponding area side slopes be 3H:1V or shallower. The logic behind this is that gentle side slopes are safer, less prone to erosion, establishes vegetation quickly, and is easier to maintain. The inflow velocities are going to be limited to 3 ft/s or less or energy dissipation methods are going to be used for concentrated inflows. Reducing these high inflow velocities will lower the amount of erosion, scouring, and channeling. Curb inlets are going to be at least 12 inches wide, have a 4- to 6-inch drop and an apron and energy dissipation as needed. The energy dissipation would help reduce the potential erosion. If erosion due to concentrated stormwater runoff flow occurs, eroded areas would be repaired, re-seeded, or re-planted. Corrective measures would have to be made such as adding erosion control blankets, adding stones at flow-entry points, or minor grading to restore proper drainage according to the original plan. If the issue is not corrected by restoring the BMPs to the original plan and grade, the City engineer would be contacted prior to any additional repairs or reconstruction. There would be an inspection after every 0.5-inch or larger storm event, but if erosion due to storm water is observed, the inspection frequency would be changed to after every 0.1-inch or larger storm event.

While the project's future drainage conditions would be designed to mimic the existing on-site drainage conditions to the maximum extent practicable, construction activities would inevitably result in changes to the internal drainage patterns of the site. However, the project's future storm drain system will be designed to conform with applicable federal, state, and local requirements related to drainage, hydrology, and water quality. In addition, the project's structural water quality BMPs would be designed such that any potential sediments collected on site would be captured in retention facilities so that they would not be conveyed to downstream waters and result in siltation. As such, alteration of the on-site drainage pattern would be conducted in a manner consistent with all applicable standards related to the collection and treatment of stormwater, such that it would not result in substantial erosion or siltation on or off site. Therefore, impacts associated with altering the existing drainage pattern of the project site and erosion or siltation would be less than significant.

ii) Substantially increase the rate or amount of surface runoff in a manner which would result in flooding on- or offsite?

Less-than-Significant Impact. As discussed above, the project would inevitably result in changes to the internal drainage patterns of the project site. However, the project's future storm drain system would be designed to conform with applicable federal, state, and local requirements related to drainage, hydrology, and water quality. As such, alteration of the on-site drainage pattern would be conducted in a manner consistent with all applicable standards related to the collection and treatment of stormwater.

As outlined in the "west" and "east" SWQMPs (Appendices J and K), the development area had a new storm drain added to collect runoff from the pads and discharge into the improved channel. Runoff would be collected in gutters, cross gutters, and shallow storm drains, which would direct the runoff to the biofiltration BMPs. The biofiltration BMPs have been sized for both pollutant control and hydromodification mitigation. The landscaped parkway and street trees will provide retention and pollutant removal of runoff from the sidewalk and bike bath in accordance with Green Street guidance.

As outlined in the preliminary drainage study (Appendix I), the storm drain system for the proposed project's residential and commercial development areas has been designed for the 100-year storm event. Using on-site detention systems, the site has been designed so that the channel would see no increase in flow for the proposed condition. The proposed project would benefit the adjacent properties by eliminating potential vector control issues with localized ponding and re-routing flows that currently lead off-site or add to runoff in the street. In the proposed condition, those off-site runoffs will be captured, treated for water quality, and safety released to the channel.

In addition, according to the Flood Insurance Rate Maps No. 06073C0789H and No. 06073C0793G for the project area, the project site is located within Zone X, which is defined by the Federal Emergency Management Agency as an area located outside of the 100-year and 500-year flood plains (FEMA 2012). Therefore, impacts associated with altering the existing drainage pattern of the project site and flooding would be less than significant.

iii) Create or contribute runoff water which would exceed the capacity of existing or planned stormwater drainage systems or provide substantial additional sources of polluted runoff?

Less-than-Significant Impact. As previously addressed, the project would inevitably alter the drainage patters of the project site; however, the project would include a new engineered stormwater drainage system that would be designed to conform with applicable federal, state, and local requirements related to drainage, hydrology, and water quality. As described above, through the use of on-site detention systems, the site has been designed so that the channel would see no increase in flow for the proposed condition. The proposed project would benefit the adjacent properties by eliminating potential vector control issues with localized ponding and re-routing flows that currently lead off-site or add to runoff in the street. In the proposed condition, those off-site runoffs would be captured, treated, for water quality, and safely released to the channel._Alteration of the on-site drainage pattern would be conducted in a manner consistent with all applicable standards related to the collection and treatment of stormwater. Therefore, impacts associated with altering the existing drainage pattern of the project site and stormwater would be less than significant.

iv) Impede or redirect flood flows?

Less-than-Significant Impact. The project site is located in Zone X, an area of minimal flood hazard per the Federal Emergency Management Agency FIRM panels No. 06073C0789H and No. 06073C0793G effective May 16, 2012. Zone X is defined as an area located outside of the 100-year and 500-year flood plains (FEMA 2012). In addition, as previously discussed, although internal drainage patterns would be somewhat altered as a result of project development, the project would maintain adequate stormwater conveyance as to not result in an increase of surface runoff that would result in flooding on- or off-site associated with the 100-year, 24-hour storm event. As outlined in the "west" and "east" SWQMPs (Appendices J and K), overflow is designed to safely convey to a downstream storm drain system or discharge point size overflow structure to pass 100-year peak flow for on-line infiltration basins and water quality peak flow for off-line basins. This design was put into place because planning for overflow lessons the risk of property damage due to flooding. Therefore, impacts associated with impeding or redirecting flood flows would be less than significant.

d) In flood hazard, tsunami, or seiche zones, would the project risk release of pollutants due to project inundation?

No Impact. The project site is approximately 8 miles inland from the Pacific Ocean and would not be subject to inundation by tsunami. The project site is not located within a 100-year flood hazard area, and is not located in flood hazard, tsunami, or seiche zones. Given that the project site is not located near a large standing body of water, inundation by seiche (or standing wave) is considered negligible. The project site is generally flat with no steep slopes and does not contain slopes subject to mudflows; and therefore, no impacts related to inundation would occur.

e) Would the project conflict with or obstruct implementation of a water quality control plan or sustainable groundwater management plan?

Less-than-Significant Impact. The Carlsbad Management Area Water Quality Improvement Plan (WQIP) update was accepted in December 2021 for the Carlsbad Watershed Management Area Responsible Agencies, which include the Cities of Carlsbad, Encinitas, Escondido, Oceanside, San Marcos, Solana Beach, and Vista, and the County of San Diego. The purpose of the Carlsbad WQIP is to guide the Responsible Agencies' Jurisdictional Runoff Management Plans towards improving water quality in Municipal Separate Storm Sewer System discharges (or storm water discharges) and receiving water bodies. Responsible Agencies' Jurisdictional Runoff Management Plans contain the strategies, standards and protocols by which each Responsible Agency will implement their individual program in response to the priorities and goals established in the WQIP (Carlsbad Watershed Management Area Responsible Agencies 2021). The City of San Marcos Jurisdictional Runoff Management Plan update was approved in January 2017. The project would be required to comply with the City's Jurisdictional Runoff Management Plan construction and land use guidelines.

The proposed project is located within the San Marcos Hydrologic Area, which is the second largest within the Carlsbad Watershed Management Area. The Carlsbad Management Area Water WQIP outlines areas of priority water quality conditions and highest priority water quality conditions. As such, the proposed project would not conflict with or obstruct implementation of the Carlsbad Management Area Water WQIP or any other water quality plan. Further, the site is not located within a sustainable groundwater management plan area. Therefore, impacts are determined to be less than significant.

2.11 Land Use and Planning

	Potentially Significant Impact	Less Than Significant Impact With Mitigation Incorporated	Less Than Significant Impact	No Impact
XI. LAND USE AND PLANNING – Would the project:				
a) Physically divide an established community?	☐	☐	☒	☐

	Potentially Significant Impact	Less Than Significant Impact With Mitigation Incorporated	Less Than Significant Impact	No Impact
b) Cause a significant environmental impact due to a conflict with any land use plan, policy, or regulation adopted for the purpose of avoiding or mitigating an environmental effect?	☐	☐	☒	

a) Would the project physically divide an established community?

Less-than-Significant Impact. The proposed project would result in the construction of 102 multifamily residential units, 7 live-work units, 7,658 sf of office space, 49,266 sf of retail space, and associated recreational and parking improvements on 11.07 acres of the project site. Residential units would be contained within 15 townhome buildings, and the units would be a mix of six different types, ranging in size from two to three bedrooms. The residential buildings would be located on the northwestern portion of the project site, and commercial uses would be places along the southern and eastern project boundaries. Access to the residential area would be provided via Grand Avenue at a northern driveway, and access to the commercial area would be via Grand Avenue at a southern driveway and two driveways along Linda Vista Drive. The project would provide 204 garage parking spaces for residences, 34 residential gust parking spaces, and 278 commercial parking spaces.

The project proposes a General Plan Amendment and Rezone to change the General Plan designation and Zoning from Commercial (C) to Specific Plan Area (SPA) to allow for the proposed multifamily dwelling units, commercial space, associated amenities, and private open space. The Specific Plan has been prepared with the intent to provide a comprehensive plan to ensure the efficient development of a multi-land use development. Although development of the proposed residential land uses would be inconsistent with the existing land use and zoning designation, the project site is located in an urban part of the City within close proximity to a range of existing infrastructure and development including commercial uses, parks, single and multifamily residential, and schools/educational facilities. The proposed project would not incorporate new roads or require removal of roads that currently provide access to the area. Furthermore, because the project site is surrounded by existing roadways, no separation or disruption of surrounding uses would occur as a result of the project's implementation. As such, the incorporation of the proposed project would not divide an established community, and impacts would be less than significant.

b) Would the project cause a significant environmental impact due to a conflict with any land use plan, policy, or regulation adopted for the purpose of avoiding or mitigating an environmental effect?

Less-than-Significant Impact. The project proposes a General Plan Amendment and Rezone to change the General Plan designation and Zoning from Commercial (C) to Specific Plan Area (SPA) to allow for the proposed multifamily dwelling units, commercial space, associated amenities, and private open space. The General Plan Amendment and Rezone would change the General Plan designation and Zoning from Commercial (C) to Specific Plan Area (SPA). The Specific Plan has been prepared with the intent to provide a comprehensive plan to ensure the efficient development of a multi-land use development. The Specific Plan serves as both a policy document and a regulatory document for the systematic implementation of

the policies and goals of the General Plan. The Site Development Plan will configure the site for multifamily dwelling units, commercial space, street configuration, infrastructure, recreational open space, and private open space. The Tentative Subdivision Map presents specific lot configurations for the site. A Conditional Use Permit would be required for proposed uses associated with the commercial portion of the project.

Upon City approval of the GPA/Rezone to Specific Plan Area, the proposed project would be required to comply with the allowable multifamily residential and commercial uses and development standards outlined in the Specific Plan prepared for the project site. Although the proposed project would amend the land use designation, the concurrent process of amending the General Plan designation does not necessarily equate to consistency with the document. The proposed project would not result in a significant environmental impact due to a conflict with the City's General Plan Land Use Element goals, and project implementation would not impede the City's ability to achieve these goals. A General Plan Consistency Analysis was prepared for the project and is included as Appendix B to the Marcos Specific Plan (Appendix A to this IS/MND).

The project would not result in a significant environmental impact due to a conflict with any land use plan, policy, or regulation adopted for the purpose of avoiding or mitigating an environmental effect, as further discussed below.

2050 Regional Transportation Plan/Sustainable Communities Strategy

SANDAG's 2050 RTP/SCS outlines projects for rail and bus services, highways, local streets, bicycling, and walking, movement of goods, as well as systems and demand management. The 2050 RTP/SCS presents a transportation system designed to maximize transit enhancements, integrate biking and walking elements, and promote programs to reduce demand and increase efficiency. As described in Section 2.17, Transportation, the proposed project would provide for residential land uses in an infill area, taking advantage of the site's location near transit, retail, employment, schools, parks, and other uses. The proposed project would be consistent with programs, plans, ordinances and policies addressing the circulation system, including transit, roadway, bicycle, and pedestrian facilities.

Although the proposed project would not be consistent with the existing zoning and land use designations, the proposed project would generate fewer GHG emissions at buildout than potential development permitted under the existing land use designations. Thus, the proposed project would not increase land use intensities as provided in the RTP/SCS and would therefore not result in environmental impacts due to inconsistency with this plan.

Multiple Habitat Conservation Program

The North County MHCP is a long-term regional conservation plan established to protect sensitive species and habitats in northern San Diego County. The MHCP is divided into seven Subarea Plans—one for each jurisdiction within the MHCP—that are permitted and implemented separately from one another. The City of Carlsbad is the only city under the MHCP that has an approved and permitted Subarea Plan. The City of San Marcos Subarea Habitat Conservation Plan/Natural Community Conservation Plan (San Marcos Subarea Plan) (City of San Marcos 2001) has not been finalized or implemented, and the City is no longer an active participant in the Natural Community Conservation Plan program or the subregional MHCP conservation planning effort. However, it is the City's policy to comply with the conservation policies identified in the draft San Marcos Subarea Plan, including an assessment of a designated Biological Core

and Linkage Area or MHCP Focused Planning Area in the context of a proposed project and the preservation of sensitive biological resources.

As described above in Section 2.4, Biological Resources, proposed project implementation would result in potentially significant impacts to biological resources. However, compliance with existing regulations and implementation of mitigation measures MM BIO-1 and MM BIO-2 outlined in Section 2.4 would ensure that the proposed project would not conflict with the MHCP or draft San Marcos Subarea Plan, or other applicable regulations related to biological resources. Implementation of proposed mitigation, and City review of development plans for the project site would ensure impacts to biological resources would be less than significant. Furthermore, the proposed project would be consistent with the Conservation and Open Space Element goals of the City's General Plan, as shown in the General Plan Consistency Analysis prepared for the project which is included as Appendix B to the Marcos Specific Plan (Appendix A to this IS/MND).

San Marcos Municipal Code Zoning Ordinance Title 20

As described above, a Rezone would be required to re-designate the project site from Commercial to Specific Plan Area. Approval of the proposed GPA/Rezone would allow for development of the project site with the proposed residential land uses and associated amenities and improvements. Upon City approval of the GPA/Rezone to Specific Plan Area, the proposed project would be required to comply with the allowable uses and development standards outlined in the Specific Plan prepared for the project site (Appendix A). Although the proposed project would amend the land use designation and zoning to Specific Plan Area, the concurrent process of amending the zoning designation does not necessarily equate to consistency with the Zoning Ordinance. However, with the exception of the request for a General Plan Amendment and Rezone for the project site, the proposed project would be consistent with the remaining goals that guide development within the City. Therefore, the proposed rezoning of the site would be consistent with the City's Zoning Ordinance.

Based on the considerations outlined above, the proposed project would not conflict with an applicable land use plan, policy, or regulation adopted for the purpose of avoiding or mitigating an environmental effect. Therefore, project impacts related to land use and planning are determined to be less than significant.

2.12 Mineral Resources

	Potentially Significant Impact	Less Than Significant Impact With Mitigation Incorporated	Less Than Significant Impact	No Impact
XII. MINERAL RESOURCES – Would the project:				
a) Result in the loss of availability of a known mineral resource that would be of value to the region and the residents of the state?	☐	☐	☐	☒
b) Result in the loss of availability of a locally important mineral resource recovery site delineated on a local general plan, specific plan or other land use plan?	☐	☐	☐	☒

a) Would the project result in the loss of availability of a known mineral resource that would be of value to the region and the residents of the state?

No Impact. According to the City's General Plan – Conservation and Open Space Element, the City has land classified in all four Mineral Resource Zones (MRZ) (City of San Marcos 2012a). The different MRZs are defined as follows:

> **MRZ-1:** Areas where adequate information indicates that no significant mineral deposits are present or where it is judged that little likelihood exists for their presence.
>
> **MRZ-2:** Areas where adequate information indicates that significant mineral deposits are present or where it is judged that a high likelihood for their presence exists.
>
> **MRZ-3:** Areas containing mineral deposits the significance of which cannot be evaluated from available data.
>
> **MRZ-4:** Areas where available information is inadequate for assignment to any other MRZ zone.

California does not require that local governments protect land designated as MRZ-1, MRZ-3, or MRZ-4. However, the City is responsible for recognizing lands designated as MRZ-2 and protecting these areas from premature development incompatible with mining. City lands designated as MRZ-2 include small portions between Double Peak, Mt. Whitney, and Franks Peak; and small portions in the northern Sphere of Influence within Twin Oaks Valley Neighborhood (City of San Marcos 2012a). These locations do not overlap with the proposed project site; therefore, no loss of known mineral resources would occur.

Furthermore, the project site is not designated as a locally important mineral resource recovery site on any local general plan, specific plan, or other land use plan (City of San Marcos 2012a). Thus, due to the location and nature of the proposed project, there would be no impact to mineral resources.

b) Would the project result in the loss of availability of a locally important mineral resource recovery site delineated on a local general plan, specific plan or other land use plan?

No Impact. Please see response to Threshold 2.12(a) above.

2.13 Noise

	Potentially Significant Impact	Less Than Significant Impact With Mitigation Incorporated	Less Than Significant Impact	No Impact
XIII. NOISE – Would the project result in:				
a) Generation of a substantial temporary or permanent increase in ambient noise levels in the vicinity of the project in excess of standards established in the local general plan or noise ordinance, or applicable standards of other agencies?	☐	☐	☒	☐

	Potentially Significant Impact	Less Than Significant Impact With Mitigation Incorporated	Less Than Significant Impact	No Impact
b) Generation of excessive groundborne vibration or groundborne noise levels?	☐	☐	☒	☐
c) For a project located within the vicinity of a private airstrip or an airport land use plan or, where such a plan has not been adopted, within two miles of a public airport or public use airport, would the project expose people residing or working in the project area to excessive noise levels?	☐	☐	☒	☐

The following analysis is based, in part, on the Noise Technical Report prepared for the project by Dudek in December 2022, which is included as Appendix G to this EIR.

In light of these above significance criteria, this analysis uses the following standards to evaluate potential noise and vibration impacts.

- Construction noise – the City has adopted the County's construction noise threshold of not exceeding 75 A-weighted decibels (dBA) for an 8-hour period, between 7:00 a.m. and 7:00 p.m., when measured at any occupied property where the noise is being received.
- Off-site project-attributed transportation noise – For purposes for this analysis, a direct roadway noise impact would be considered significant if increases in roadway traffic noise levels attributed to the proposed project were greater than 3 dBA community noise equivalent level (CNEL) at an existing noise-sensitive land use.
- Off-site project-attributed stationary noise – For purposes for this analysis, a noise impact would be considered significant if noise from on-site project sound sources, including typical operation of heating, ventilation, and air conditioning (HVAC), other electro-mechanical systems, as well as outdoor events, exceeded 65 dBA hourly energy equivalent level (L_{eq}) at the property line from 7:00 a.m. to 10:00 p.m., and 55 dBA hourly L_{eq} from 10:00 p.m. to 7:00 a.m.
- Construction vibration – Guidance from Caltrans indicates that a vibration velocity level of 0.2 inches per second (ips) peak particle velocity (PPV) received at a structure would be considered annoying by occupants within (Caltrans 2020). As for the receiving structure itself, aforementioned Caltrans guidance from Section 2 recommends that a vibration level of 0.3 ips PPV would represent the threshold for building damage k.

a) Would the project result in generation of a substantial temporary or permanent increase in ambient noise levels in the vicinity of the project in excess of standards established in the local general plan or noise ordinance, or applicable standards of other agencies?

Less-than-Significant Impact.

Short-Term Construction Noise

Construction noise and vibration are temporary phenomena, varying from hour to hour and day to day, depending on the equipment in use, the operations performed, and the distance between the source and receptor. Equipment that would be in use during construction would include, in part, graders, scrapers, backhoes, rubber-tired dozers, loaders, cranes, forklifts, cement mixers, pavers, rollers, and air compressors. The typical maximum noise levels for various pieces of construction equipment at a distance of 50 feet are presented in Table 3 of Appendix G. Usually, construction equipment operates in alternating cycles of full power and low power, which the Federal Highway Administration Roadway Construction Noise Model User's Guide (FHWA 2006) characterizes as "acoustical usage factor" and thereby produces energy-average noise levels over time (L_{eq}) that are less than the listed maximum noise level. The average sound level of construction activity also depends on the amount of time that the equipment actually operates on site.

Using the provided construction information, prediction results are summarized in Table 4 of Appendix G, at the nearest noise-sensitive receptor for two calculation scenarios as follows:

- Usage of the shortest activity-to-receptor distance for the loudest equipment type and quantity associated with the studied construction phase, with less noisy equipment types at successive distance increments of 50 feet; and
- An "acoustic centroid" approach, akin to the Federal Transit Administration (FTA) general assessment technique for estimating construction noise, whereby all listed equipment for a construction phase is represented by a common location at the geographic center of the studied construction zone or area.

The first of these methods is considered a conservative approach to assess what might be characterized as a peak exposure level, applicable to not more than approximately 10%–15% of the total construction period and when the studied construction activity is taking place with loudest equipment along the property boundary closest to these nearest off-site receivers. The second approach utilizes the acoustic centroid technique to represent a time-averaged location for the phase equipment and activity, thereby yielding average noise levels to represent overall noise exposure as experienced for adjacent receivers over the duration of each construction phase.

A Microsoft Excel–based noise prediction model emulating and using reference data from the Federal Highway Administration Roadway Construction Noise Model (FHWA 2008) was used to estimate construction noise levels. (Although the Roadway Construction Noise Model was funded and promulgated by the Federal Highway Administration, it is often used for non-roadway projects, because the same types of construction equipment used for roadway projects are often used for other types of construction.) Input variables for the predictive modeling consist of the equipment type and number of each, the aforementioned acoustical usage factor, the expected duration (in hours) of on-site activity, and the distance from the receiver. Conservatively, no topographical or structural shielding was assumed in the modeling.

As presented in Table 4 of Appendix G, the estimated construction noise exposure levels for each of the five expected sequential phases are not predicted to exceed 75 dBA L_{eq} over an 8-hour period at the nearest noise sensitive receptors to the north of the project site under both of the calculation methods described above. ,Thus, temporary construction-related noise impacts would be considered less than significant.

Long-Term Operational Noise

Off-Site Roadway Traffic Noise

The proposed project would result in the creation of additional vehicle trips on local roadways (i.e., Linda Vista Drive, Grand Avenue, and Via Vera Cruz), which could result in increased traffic noise levels at adjacent noise-sensitive land uses. The project is expected to generate a net total of 2,241 daily trips to the roadway system (Appendix H). As shown in Table 3.1 of the project's Transportation Impact Study (Appendix H), during the PM peak-hour, approximately 189 vehicles are estimated to enter or exit the project site. Utilizing this information, an emulator based on the Federal Highway Administration's Highway Traffic Noise Prediction Model RD-77-108 was used to estimate potential noise impacts at adjacent noise-sensitive uses. Information used in the model included posted traffic speeds, truck mix percentage, and average daily traffic (ADT) volumes (expressed as vehicles per hour) for the existing, near-term year 2024 with and without project, and horizon year 2050 with and without project conditions. ADT volumes for I-78 were obtained separately via the SANDAG Transportation Forecast Information Center for the existing (2016), near-term (2025), and horizon (2050) years. Existing (2022) and Near-Term (2024) ADT volumes for I-78 were derived by determining the yearly percentage increase or decrease in traffic using the information available from the Transportation Forecast Information Center. Consistent with Caltrans guidance (Caltrans 2013), this analysis assumes 80% of the ADT occurs during daytime hours (7:00 a.m. to 7:00 p.m.), 5% during the evening (7:00 p.m. to 10:00 p.m.), and 15% during the nighttime (10:00 p.m. to 7:00 a.m.). Appendix G contains the input data and results of the traffic noise modeling effort. In summary, the project would have to roughly double the traffic volumes on nearby studied roadway segments in order to increase traffic by 3 dBA, which would be considered a barely perceptible increase (Caltrans 2013).

Traffic noise levels were modeled at the same geographic positions as the measured locations ST2 and ST3 as shown in Appendix G. The traffic noise level for ST1 was predicted at the northwestern boundary of the project site to be representative of the future residences located behind a proposed 6-foot noise wall. The traffic noise model results are summarized in Table 5 of Appendix G, and represented by CNEL values. Table 5 of Appendix G shows that at all three listed representative receivers, the addition of proposed project traffic to the local roadway network would result in a CNEL increase of less than or equal 1 dB, which is below the discernible level of change for the average healthy human ear. Thus, a less-than-significant impact is expected for proposed project-related off-site traffic noise increases affecting existing residences in the vicinity.

On-Site Roadway Traffic Noise

As of January 2019, the study of future project residential exposures to off-site transportation noise sources is not considered for noise impact assessment at the California state level. Hence, for informational purposes and as shown in Table 5 of Appendix G, predicted future (2024 and 2050) "with project" noise levels exceed the City's "conditionally acceptable" multifamily/mixed-use land use compatibility standard threshold of 75 dBA CNEL at the receiver representing the multifamily residences located adjacent to Grand Avenue. The proposed 6-foot noise wall on the northeastern side of the property, situated between the project buildings and the parallel major roadway represented by Grand Avenue and CA-78 traffic, is predicted to provide an insertion loss of approximately three to four dBA for first-floor exterior areas.

Second floor balconies (as shown in Exhibit D of Appendix G) facing Grand Avenue and CA-78 are also predicted to exceed 75 dBA CNEL but would not be benefited by the additional three to four dBA of insertion

loss from the 6-foot noise wall. If these balconies are not merely an architectural or decorative feature and are intended to be used as private outdoor spaces with the potential to be occupied by residents or their guests, then those balconies would need to be acoustically upgraded to reduce outdoor noise exposure for seated occupants.

An approach that Dudek has recommended on previous residential projects is to provide this identified noise reduction need by way of the addition of a solid and sufficiently massive material layer to the planned square-tubed metal railings on the balcony usable area perimeter. As depicted in Exhibit E of Appendix G, showing detail from a previously studied project (and thus used merely for illustration purposes), proposed installation of a 6-millimeter (0.236-inch) sheet of plexiglass (acrylic) on the interior-facing side of the balcony railing structure would be expected to yield an effective sound transmission class rating of at least 15. Although the material itself has a sound transmission class rating of 29, the approximate 1-inch-wide air gap between the bottom edge of the plexiglass panel and the balcony floor results in lower expected sound transmission class performance. In other words, the area of the gap as a fraction of the barrier material surface area causes the reduction in sound transmission loss performance. Other material options and designs are possible, subject to non-acoustical considerations such as desired barrier opacity, balcony deck drainage, etc., provided that the designed installation has barrier material having adequate mass and solidity, an approximate deck to top-edge height of 42 inches (3.5 feet), and with minimized airgaps such as the sample appearing in Exhibit E of Appendix G.

Exhibit F of Appendix G illustrates examples of similar sound-blocking balcony barriers to help reduce incoming traffic noise and increase occupant privacy at pre-existing Vista Flores Apartments and Barham Villas Apartments that overlook and are within comparable horizontal distances to the CA-78 highway as anticipated project facades appearing in Exhibit D of Appendix G.

On these bases, implementation of PDF-NOI-1 and PDF-NOI-2 below would help reduce traffic noise exposure levels. However, predicted traffic noise exposure levels may still exceed the City's land use compatibility standard of 65 dBA CNEL at the Private Usable Open Spaces for these Category B receptors per Table 7-4 (as shown in Exhibit B of Appendix G). As permitted by note 5 in Table 7-4 (as shown in Exhibit B of Appendix G), the project's group Usable Open Spaces (pool, playground, etc.) that are shielded by multiple project building rows would be predicted to have traffic noise exposure levels less than 65 dBA CNEL and would therefore be compatible with the City's land use compatibility standard. This is supported by language in note 5 from Table 7-4 (as shown in Exhibit B of Appendix G) as follows: "When the noise limit for Private Usable Open Space cannot be met, then a Group Usable Open Space that meets the exterior noise level standard shall be provided."

PDF-NOI-1 Where project exterior on-site noise levels due to off-site surface transportation noise sources are predicted to exceed 65 dBA CNEL at useable open space areas, the project shall install noise-reducing features external to or upon the useable open space areas (or within, as practical and appropriate) in the form of sound walls, fencing, landscape berms, or similarly performing barriers to occlude incoming roadway traffic noise.

PDF-NOI-2 Residential unit patios or balconies with roadway-facing building facades predicted to be exposed to external noise levels in excess of 65 A-weighted decibels community noise equivalent level shall feature railings or other partial-height barriers comprising sufficiently solid and dense materials (e.g., acrylic, glass, wood that exhibits a sound transmission class rating of at least 20) and of a 42-inch minimum height (from floor or deck of the

balcony surface) that occludes direct sound path from the noise-producing roadway of concern and a seated patio or balcony occupant.

Stationary Project Operations Noise

The completion of various buildings on the project site will add a variety of noise-producing mechanical equipment that include those presented and discussed in the following paragraphs. In addition to noise-producing mechanical equipment on the roofs of the project buildings, the site contains several proposed outdoor spaces on the east side of the site where events are expected to take place. Most of these noise-producing equipment or sound sources would be considered stationary, or limited in mobility to a defined area.

The aggregate noise emission from these outdoor-exposed sound sources has been predicted with the Datakustik CadnaA sound propagation program. CadnaA is a commercially available software program for the calculation, presentation, assessment, and prediction of environmental noise based on algorithms and reference data per International Organization of Standardization Standard 9613-2, "Attenuation of Sound During Propagation Outdoors, Part 2: General Method of Calculation" (ISO 1996). The following assumptions and parameters are included in this CadnaA-supported stationary noise source assessment:

- Ground effect acoustical absorption coefficient equal to 0.5, which intends to represent an average or blending of ground covers that are characterized largely by hard reflective pavements and existing building surfaces across the project site and the surroundings;
- Reflection order of 1, which allows for a single reflection of sound paths on encountered structural surfaces such as the modeled building masses;
- Off-site residential structures and the commercial buildings have not been rendered in the model;
- Calm meteorological conditions (i.e., no wind) with 68 degrees Fahrenheit and 50% relative humidity; and
- All of the modeled noise sources are operating concurrently and continuously for a minimum period of 1 hour.

As analyzed in Appendix G, aggregate noise emission from continuously operating outdoor-exposed rooftop HVAC units is expected to range between 20 to 36 dBA hourly L_{eq}, which is below the City's exterior noise Threshold of 60 dBA L_{eq} for commercial land uses and below the proposed Specific Plan Threshold of 65 dBA L_{eq} at the site boundary. Additionally, aggregate project noise emission from the combination of this anticipated building HVAC noise and a "large" in-progress outdoor event attended by 100 people at the planned event area is expected to range between 25 to 60 dBA hourly L_{eq}, which is below the Specific Plan Threshold of 65 dBA L_{eq} at the site boundary. Given that such a large attended outdoor event is predicted to be compliant, one can reasonably assume that an HVAC-plus-event noise emission associated with "small" outdoor events that may occur locally around distinct project buildings would, on the basis of smaller event attendance having less acoustical contribution due to average speech levels, also be compliant with this Specific Plan standard.

Therefore, noise impacts associated with stationary operations related to rooftop HVAC equipment would be less than significant.

b) Would the project result in generation of excessive groundborne vibration or groundborne noise levels?

Less-than-Significant Impact. Construction activities may expose persons to excessive groundborne vibration or groundborne noise, causing a potentially significant impact. Caltrans has collected groundborne vibration information related to construction activities (Caltrans 2020). Information from Caltrans indicates that continuous vibrations with a PPV of approximately 0.2 ips is considered annoying. For context, heavier pieces of construction equipment, such as a bulldozer that may be expected on the project site, have peak particle velocities of approximately 0.089 ips PPV or less at a reference distance of 25 feet (FTA 2018).

Groundborne vibration attenuates rapidly, even over short distances. The attenuation of groundborne vibration as it propagates from source to receptor through intervening soils and rock strata can be estimated with expressions found in Federal Transit Administration and Caltrans guidance. As outlined in Section 5 of Appendix G, PPV_{rcvr} is the predicted vibration velocity at the receiver position, PPV_{ref} is the reference value at 25 feet from the vibration source (the bulldozer), and D is the actual horizontal distance to the receiver. Therefore, at this predicted PPV, the impact of vibration-induced annoyance to occupants of nearby commercial buildings would be less than significant.

Construction vibration, at sufficiently high levels, can also present a building damage risk. However, anticipated construction vibration associated with the proposed project would yield levels of 0.16 ips PPV, which does not surpass the guidance limit of 0.3 ips PPV for preventing damage to older residential structures (Caltrans 2020). Because the predicted vibration level at 30 feet is less than this guidance limit, the risk of vibration damage to nearby structures is considered less than significant.

Once operational, the proposed project would not be expected to feature major producers of groundborne vibration. Anticipated mechanical systems like heating, ventilation, and air-conditioning units are designed and manufactured to feature rotating (fans, motors) and reciprocating (compressors) components that are well-balanced with isolated vibration within or external to the equipment casings. On this basis, potential vibration impacts due to proposed project operation would be less than significant.

c) For a project located within the vicinity of a private airstrip or an airport land use plan or, where such a plan has not been adopted, within two miles of a public airport or public use airport, would the project expose people residing or working in the project area to excessive noise levels?

Less-than-Significant Impact. There are no private airstrips within the vicinity of the project site. The closest airport to the project site is the McClellan Palomar Airport, approximately 5 miles west of the site. According to the McClellan-Palomar Airport Land Use Compatibility Plan (SDCRAA 2011) the project site is not located within a noise exposure contour and would therefore not expose people residing or working in the project area to excessive noise levels. Impacts from aviation overflight noise exposure would be less than significant.

2.14 Population and Housing

	Potentially Significant Impact	Less Than Significant Impact With Mitigation Incorporated	Less Than Significant Impact	No Impact
XIV. POPULATION AND HOUSING – Would the project:				
a) Induce substantial unplanned population growth in an area, either directly (for example, by proposing new homes and businesses) or indirectly (for example, through extension of roads or other infrastructure)?	☐	☐	☒	☐
b) Displace substantial numbers of existing people or housing, necessitating the construction of replacement housing elsewhere?	☐	☐	☐	☒

a) Would the project induce substantial unplanned population growth in an area, either directly (for example, by proposing new homes and businesses) or indirectly (for example, through extension of roads or other infrastructure)?

Less-than-Significant Impact. As previously described, the proposed project would consist of the construction of 102 multifamily residential units, 7 live-work units, 7,658 sf of office space, 49,266 sf of specialty retail space, and associated open space and parking improvements on an 11.07-acre project site. Residential units would be contained within 15 townhome buildings, and units would be a mix of six different unit types, ranging in size from two to three bedrooms. The project proposes a General Plan Amendment and Rezone to change the General Plan designation and Zoning from Commercial (C) to Specific Plan Area (SPA) to allow for its residential, commercial, and open space components.

As of 2022, the City has a persons per household ratio of 3.01 (DOF 2022). As such, the project's 109 residential dwelling units (inclusive of the 7 live-work units) would generate approximately 328[2] residents. Although not all residents of the project would be new to the City, residential development at the project site would be considered unplanned growth, as a residential land use at the project site is not accounted for in the City's Zoning or General Plan land use designation.

Development of the project, however, is unlikely to directly induce substantial population growth in the area. This is because the area surrounding the project site is already developed. Additionally, because the proposed project site is currently developed and includes existing access roads and utility service, no indirect impacts associated with the extension or construction of roads or expansion of public utilities are expected to occur as a result of the proposed project.

The City is forecasted to grow from 98,915 persons in 2020 to 109,095 persons in 2035, resulting in a population increase of 10,180 (SANDAG 2013). Additionally, SANDAG allocated 3,116 housing units to the

[2] 3.01 x 109 = 328.09

San Marcos area for the 2021-2029 Housing Element Cycle (City of San Marcos 2021). Therefore, the population growth associated with the project is well within the City's anticipated population growth. The implementation of the project would help to accommodate the City's expected population growth and help meet its housing needs goal.

The proposed project would be subject to compliance with the City's General Plan Housing Element goals and policies, compliance with housing-related ordinances in the City's Municipal Code, and would be subject to applicable development fees, as outlined below.

The City's Growth Management Ordinance (Chapter 20.315 of the Municipal Code) was adopted to implement the General Plan and to manage the projected growth of residential, industrial, and commercial development. The ordinance requires that all new development bear the cost of providing the public facilities and services needed to effectively serve the new development. The Growth Management Ordinance does not limit density of development or cap the number of residential building permits that can be issued within the planning period. To the contrary, the ordinance will ensure that public facilities and services are, or will be, provided to serve future residential development anticipated by the Regional Housing Needs Assessment.

The City's Inclusionary Housing Ordinance, established in May 2000, requires housing developers of one or more units to contribute to housing for extremely low, very low-, low-, and moderate-income households as defined by the U.S. Department of Housing and Urban Development. Developers of for-sale single family projects and rental projects of six or fewer units may pay an in-lieu fee in accordance with Section 20.310.050 of the Municipal Code. In-lieu fees are deposited into an interest-accruing account to provide housing opportunities for target households. The City has the discretion to accept an irrevocable dedication of land or other non-monetary contribution that is not less in value than the otherwise required in-lieu fee if the non-monetary alternative furthers the goals and policies of the Housing Element.

The City charges fees to process plans submitted for residential projects and to finance the provision of important services that are needed to accommodate housing and population growth. Fees and exactions are used to finance public facilities, roadways, water and sewer infrastructure, schools, and other community services. Nearly all of these fees are assessed through a pro rata share system, based on the magnitude of the project's impact or the extent of the benefit that will be derived. The City's fees have not been found to act as a constraint to the development of housing in San Marcos. For new residential projects, developers in San Marcos may be required to pay one or more of the following fees depending on the location, type, and size of the project: Planning, Building and Environmental Fees; City Impact Fees; and Regional Impact Fees (City of San Marcos 2013).

In summary, implementation of the project would change the site's land use designation and zoning from Commercial to Specific Plan Area in a manner that would accommodate development of 109 residential units, 7,658 sf of office space, 49,266 sf of specialty retail space, and associated open space and parking improvements. The project is anticipated to generate approximately 328 residents, which is well within the City's projected population growth. Additionally, while residential uses are not currently accounted for under the City's existing zoning and general plan land use designation, the addition of 109 residential units would help the City to reach its goal of 3,116 new residential units by 2029. Furthermore, the project would not induce substantial population growth in the vicinity of the project site because the area is developed with existing roads and utilities. Therefore, no indirect impacts associated with the extension or construction of roads or other infrastructure is expected to occur as a result of the project. City requirements for funding

and pre-planning for implementation of housing projects would also ensure that proposed project growth is adequately planned for prior to development. As such, for the reasons described above, the project's impacts associated with substantial unplanned population growth would be less than significant.

b) ***Would the project displace substantial numbers of existing people or housing, necessitating the construction of replacement housing elsewhere?***

No Impact. Given that no residential uses are located on the project site, the project would not displace existing housing, nor would it impede future residential development potential. The project site is currently vacant and does not contain any business or residential uses. Therefore, no impacts associated with the displacement of people or housing would occur.

2.15 Public Services

	Potentially Significant Impact	Less Than Significant Impact With Mitigation Incorporated	Less Than Significant Impact	No Impact
XV. PUBLIC SERVICES – Would the project:				
a) Result in substantial adverse physical impacts associated with the provision of new or physically altered governmental facilities, need for new or physically altered governmental facilities, the construction of which could cause significant environmental impacts, in order to maintain acceptable service ratios, response times, or other performance objectives for any of the public services:				
Fire protection?	☐	☐	☒	☐
Police protection?	☐	☐	☒	☐
Schools?	☐	☐	☒	☐
Parks?	☐	☐	☒	☐
Other public facilities?	☐	☐	☒	☐

a) ***Would the project result in substantial adverse physical impacts associated with the provision of new or physically altered governmental facilities, need for new or physically altered governmental facilities, the construction of which could cause significant environmental impacts, in order to maintain acceptable service ratios, response times, or other performance objectives for any of the public services:***

Fire protection?

Less-than-Significant Impact. Fire and Emergency Medical Services in the City are provided by SMFD. SMFD Station 1, located at 180 West Mission Road (approximately 1.25 miles east of the project site), would which provide primary response to the project site, and SMFD Station 2, located at 1250 South Rancho Santa Fe Road (approximately 2.15 miles southwest of the project site) would provide additional support as necessary.

The project would result in the development of 109 multifamily residential units, 7,658 sf of office space, and 49,266 sf of retail space. As outlined in Section 2.14, Population and Housing, the project's residential component is expected to house approximately 328 residents. Under existing conditions, the project site is

currently primarily vacant and is developed with paved areas and billboards. As such, the proposed project would increase the demand for SMFD resources when compared to existing conditions, as the project would result in an increase in calls for fire and emergency medical calls on the project site.

As previously discussed, however, the project would not result in substantial unplanned population growth. As such, the project is not anticipated to result the need for new facilities or physically altered facilities related to fire protection services. Furthermore, pursuant to Section 17.44.030 of the City's Municipal Code, the project's developer would be required to pay the City's Development Services Fees, which would be used to fund City services, including SMFD. This would offset the costs of increased personnel or equipment that could be required to maintain acceptable service ratios, response times, and other performance objectives under project conditions. Furthermore, the project would be designed and constructed in accordance with all appliable provisions of the state and local fire code. As such, for the reasons described above, the project's impacts on fire protection services would be less than significant.

Police protection?

Less-than-Significant Impact. The City contracts with the San Diego County Sheriff's Department for law enforcement services (City of San Marcos 2022a). The San Diego County Sheriff's San Marcos Station is located at 182 Santa Place, approximately 2.1 miles east of the project site.

The project would result in the development of 109 multifamily residential units, 7,658 sf of office space, and 49,266 sf of retail space. As outlined in Section 2.14, the project's residential component is expected to house approximately 328 residents. Under existing conditions, the project site is currently vacant and is developed with paved areas and billboards. As such, the proposed project would increase the demand for police services when compared to existing conditions, as the project would result in an increase in police calls to the project site.

Implementation of the proposed project would be expected to increase the frequency of emergency and non-emergency calls to the Sherriff's Department. However, over 100 deputies, volunteers, and professional staff serve the residents of the City (SDCSD 2022). Law enforcement services include general patrol, criminal investigation, crime prevention, juvenile services, narcotics and gang investigations, communications and dispatch, and various management support services. Unlike fire services, which respond solely to emergencies, law enforcement services consist of patrolling large areas 24 hours a day, 365 days a year. Police units are continuously mobile, and service calls are responded to by the nearest available mobile unit. At the San Marcos Station, patrol deputies are assigned to a geographical "beat" area, allowing deputies to become familiar with citizens and problems within their "beats" (City of San Marcos 2012b).

As previously discussed, the proposed project would not result in substantial unplanned population growth. As such, the project is not anticipated to result the need for new facilities or physically altered facilities related to police protection services. Furthermore, pursuant to Section 17.44.030 of the City's Municipal Code, the project's developer would be required to pay the City's Development Services Fees, which would be used to fund City services, including the Sheriff's Department. This would offset the costs of increased personnel or equipment that may be required to maintain acceptable service ratios, response times, and other performance objectives under project conditions. As such, service ratios and response times are anticipated to remain adequate with implementation of the proposed project, and the proposed project is not expected to affect police protection such that new or physically altered governmental facilities are

needed. Therefore, for the reasons outlined above, the project's impacts on police protection services would be less than significant.

Schools?

Less-than-Significant Impact. Public education throughout the City is provided by the San Marcos Unified School District (SMUSD). The project site is in the service area of La Mirada Academy (approximately 0.85 miles west of the project site) which serves grades K-8, and San Marcos High School (approximately 1.15 miles southwest of the project site) which serves grades 9-12. According to the City's General Plan Land Use and Community Design Element, the City's generation rates for SMUSD students per household are as follows: elementary school students (grades K–5): 0.2297 per household, middle school students (grades 6–8): 0.0993 per household, and high school students (grades 9–12): 0.1234 per household (City of San Marcos 2012c). As such, the project's 109 residential units would result in the generation of approximately 25 elementary school students, 11 middle school students, and 13 high school students. These contributions to the existing district's enrollment would be nominal and would not result in the need for new or physically altered school facilities.

The project's developer would also be required to contribute development fees to SMUSD pursuant to California Education Code Section 17620 et seq. and Government Code Sections 65995(h) and 65996(b), as well as the City's Municipal Code Section 17.52.050. The current school fee for residential development required by SMUSD is $4.79 per sf for residential development and $0.78 per sf for commercial development; however, this fee is subject to change between the drafting of this document and the issuance of a building permit (SMUSD 2022). Furthermore, consistent with General Plan Policy LU-11.2, the project's developer would be required to provide a "will serve" letter substantiating that the develop has paid the required school fees prior to the issuance of a building permit. These fees would offset the costs of increased personnel or equipment that SMUSD to continue to provide an adequate level of service under project conditions. Therefore, for the reasons described above, the project's impacts associated with public school services would be less than significant.

Parks?

Less-than-Significant Impact. As previously described, the proposed project would result in the addition of approximately 328 residents in the City. This increase in residents would increase demands for neighborhood and regional parks and other recreational facilities. The addition of 328 residents, however, would be a nominal contribution to the City. Therefore, the proposed project is not anticipated to result in the need for new or physical altered park facilities. Additionally, the project's developer would be required to pay a Park and Recreational Development Construction Unit Fee, pursuant to Section 17.36.030 of the City's Municipal Code. These fees would be used for public park improvements, to ensure the City is able to provide an adequate level of parks and recreational services under project conditions. The proposed project would also include a number of on-site recreational amenities to help offset the project's contribution to the demand for public parks and recreational facilities. Therefore, the project's impacts on park facilities would be less than significant. For further discussion on the project's impacts on the City's recreational services, refer to Section 2.16, Recreation, below.

Other public facilities?

Less-than-Significant Impact. Other public facilities provided within the City include library services. Library services within the City are provided by the San Diego County Library system. The San Marcos Branch, located at 2 Civic Center Drive, is located approximately 1.4 miles east of the project site. The project's addition of 328 residents would increase the demand for library services in the City. This increase, however, would be nominal and would not result in the need for new or physically altered library facilities. Additionally, as described in the Section 9.08.020 of the City's Municipal Code, library services are considered a component of the City's parks and recreation services. Therefore, a portion of the development fees that would be paid pursuant to Section 17.36.030 of the City's Municipal Code, would be dedicated toward the improvement of existing library services. As such, the proposed project's impacts on library services would be less than significant.

2.16 Recreation

	Potentially Significant Impact	Less Than Significant Impact With Mitigation Incorporated	Less Than Significant Impact	No Impact
XVI. RECREATION				
a) Would the project increase the use of existing neighborhood and regional parks or other recreational facilities such that substantial physical deterioration of the facility would occur or be accelerated?	☐	☐	☒	☐
b) Does the project include recreational facilities or require the construction or expansion of recreational facilities which might have an adverse physical effect on the environment?	☐	☐	☒	☐

a) Would the project increase the use of existing neighborhood and regional parks or other recreational facilities such that substantial physical deterioration of the facility would occur or be accelerated?

Less-than-Significant Impact. The City provides nearly 290 acres of existing parkland including 24 community parks, 13 neighborhood parks, and 3 recreation centers. The City also provides a 70-mile trail network for hiking, biking, running, and equestrian use (City of San Marcos 2022b). The parks nearest to the project site is Mission Sports Park, located approximately 0.35 miles northeast of the project site.

As described in Section 2.14, the project is expected to result in the generation of approximately 328 residents in the City. While this would result in an increase in the demand for recreational facilities, this increase, however, would be nominal and would not result in the need for new or physically altered park or recreational facilities.

The proposed project would include approximately 80,767-sf of common open space area including recreational amenities such as a pool, BBQ area, walking path adjacent to Las Posas Creek, and other

amenities spread throughout the Planning Area. Individual units would have the benefit of private open space ranging from 95-sf to 255-sf with a total of 14,899-sf of private open space provided throughout the West-End Planning Area dwelling units. These on-site amenities would help to offset a portion of the project's demand for off-site parks and recreational facilities. Additionally, as stated it Section 2.15, Public Services, the project's developer would be required to pay a Park and Recreational Development Construction Unit Fee, pursuant to Section 17.36.030 of the City's Municipal Code. These fees would be used for public park improvements, to ensure the City is able to provide an adequate level of parks and recreational services under project conditions. Therefore, for the reasons described above, the project's impacts on existing neighborhood and regional parks would be less than significant.

*b) **Does the project include recreational facilities or require the construction or expansion of recreational facilities, which might have an adverse physical effect on the environment?***

Less-than-Significant Impact. The project site is vacant with no existing recreational facilities on or near the project site. As mentioned above, the proposed project would include approximately 80,767-sf of common open space area including recreational amenities such as a pool, BBQ area, walking path adjacent to Las Posas Creek, and other amenities spread throughout the Planning Area. These on-site amenities would be within the project site and included in the project's design. Any potential environmental impacts related to the construction and operation of these on-site recreational amenities are analyzed in this IS/MND as part of the impact assessment conducted for the entirety of the project. No adverse physical impacts beyond those already disclosed in this document would occur as a result of implementation of the project's on-site recreational facilities. Therefore, impacts associated with the construction or expansion of recreational facilities would be less than significant.

2.17 Transportation

	Potentially Significant Impact	Less Than Significant Impact With Mitigation Incorporated	Less Than Significant Impact	No Impact
XVII. TRANSPORTATION – Would the project:				
a) Conflict with a program, plan, ordinance, or policy addressing the circulation system, including transit, roadway, bicycle, and pedestrian facilities?	☐	☐	☒	☐
b) Conflict or be inconsistent with CEQA Guidelines Section 15064.3, subdivision (b)?	☐	☒	☐	☐
c) Substantially increase hazards due to a geometric design feature (e.g., sharp curves or dangerous intersections) or incompatible uses (e.g., farm equipment)?	☐	☐	☒	☐
d) Result in inadequate emergency access?	☐	☐	☒	☐

The section is based on the Local Transportation Analysis (LTA) and the Vehicle Miles Traveled (VMT) Analysis Technical Memorandum, prepared by CR Associates in March 2023. These reports are included as Appendix H-1

and H-2, respectively. The traffic study area included signalized and unsignalized intersections along and adjacent to the project site, site access driveways, and any classified (non-residential) roadway segments that are linked to the intersections that are being studied. A complete list of intersections and roadway segments are provided in Appendix H-1.

The transportation impact analysis prepared for the proposed project is consistent with the objectives and requirements of the City of San Marcos's General Plan Mobility Element and applicable provisions of CEQA, including disclosure of project impacts in both existing and cumulative horizon years.

a) Would the project conflict with a program, plan, ordinance, or policy addressing the circulation system, including transit, roadway, bicycle and pedestrian facilities?

Less-than-Significant Impact. The project site is located at the southeast corner of Grand Avenue and Linda Vista Drive with Grand Avenue to the north and Linda Vista Drive to the east and south. Adjacent land uses include commercial and industrial uses to the north, east, south, and west of the project site. The closest freeway is SR-78 located approximately 100 feet northeast of the project site.

Access to the project from the regional transportation network will be provided via SR-78, Grand Avenue, Linda Vista Drive, Via Vera Cruz, South Las Posas Road, and West San Marcos Boulevard. These facilities will either provide a direct connection to the project, via a project driveway, or will provide a critical link between the project and the regional transportation network.

Project site access would be provided via the following new project driveways:

- Project Driveway #1 would be along the south side of Grand Avenue approximately 900 feet northwest of Linda Vista Drive. This driveway would be a new side-street stop-controlled intersection with Grand Avenue as the uncontrolled approach and the project driveway as the stop-controlled approach. This driveway would serve as the main entry point for residents.
- Project Driveway #2 would be located along the south side of Grand Avenue approximately 300 feet northwest of Linda Vista Drive. This driveway would be a new side-street stop-controlled intersection with Grand Avenue as the uncontrolled approach and the project driveway as the stop-controlled approach. This driveway would serve as one of three entry points for the retail and office components of the project.
- Project Driveway #3 would be located along the north side of Linda Vista Drive approximately 700 feet southwest of Grand Avenue. This driveway would be a new side-street stop-controlled intersection with Linda Vista Drive as the uncontrolled approach and the project driveway as the stop-controlled approach. This driveway would serve as one of three entry points for the retail and office components of the project.
- Project Driveway #4 would be located along the north side of Linda Vista Drive approximately 250 feet southwest of Grand Avenue. This driveway will be a new side-street stop-controlled intersection with Linda Vista Drive as the uncontrolled approach and the project driveway as the stop-controlled approach. This driveway will serve as one of three entry points for the retail and office components of the project.

As discussed above, an LTA (see Appendix H-1) has been prepared for the project consistent with City requirements to evaluate the effects of the project on the circulation network, and improvements have

been recommended that would increase performance of unacceptable roadways/intersections to acceptable or pre-project conditions.

The proposed project is consistent with SANDAG's San Diego Forward: The Regional Plan policies and strategies to manage congestion, as it would develop in an infill area, and the project would incorporate safe access to/from the project site and surrounding roadways. The proposed project would also not preclude the development of any specific improvement projects identified in the Regional Plan to reduce regional congestion.

The project site is within 0.5 miles of the transit lines serviced by North County Transit District described below:

- Bus Route 347 – This bus route is serviced along West Mission Road and North Las Posas Road within the project study area. This bus route connects the Palomar College Transit Center to the CSU San Marcos SPRINTER Station. Operations starts at 5:31 a.m. and ends at 7:21 p.m. between Monday and Friday with 30-minute intervals. On Saturdays, operations start at 7:22 a.m. and ends at 7:08 p.m. with 60-minute intervals. This route does not operate on Sundays.
- Bus Route 445 – This bus route is serviced along West Mission Road and North Las Posas Road within the project study area. This bus route connects the Palomar College Transit Center to the Carlsbad Poinsettia Station (COASTER Connection). Between Monday and Friday, operations start at 6:34 a.m. and ends at 10:19 a.m. with 30-minute intervals for the morning period. Similarly, between Monday and Friday, operates start at 3:36 p.m. and ends at 7:19 p.m. with 30-minutes intervals for the afternoon period. This route does not operate on Saturdays or Sundays.
- SPRINTER – This light rail line runs between Oceanside Transit Center and Escondido Transit Center (eastbound and westbound direction). The nearest stop to the project site is the Palomar College Transit Center. Operation starts at 4:17 a.m. and ends at 9:10 p.m. between Monday and Sunday with 30-minute intervals.

Based on the preliminary review of the project site plan, the project would not conflict with existing or planned transit, bicycle, or pedestrian facilities and would not result in any impacts to transit facilities.

Under existing conditions, there are no Class II bicycle facilities along project frontage. However, per the City of San Marcos General Plan, there are planned Class II bicycle facilities along the segments of Grand Avenue and Linda Vista Drive fronting the project. The project would construct a landscape buffer and a Class IV bike path with a separate pedestrian path adjacent to it at its project frontage along the segments of Linda Vista Drive and Grand Avenue.

The proposed Class IV bike path along Grand Avenue would transition the current on-street bike facilities on Grand Avenue to a physically separated bike lane within the multi-purpose trail component for the Specific Plan Area. These improvements would facilitate a safer bicycle lane along the project's frontage and help facilitate a safer and more connected bicycle network city-wide. The Class IV bike lane planned for Linda Vista Drive is consistent with the General Plan Mobility Element's call for at least a Class II bike lane. The Class IV bike lane would separate bicyclists from vehicles with a physical barrier incorporated in the planned multi-purpose trail along the frontage and transitioning back to the on-street bike lane south of the project. Therefore, the project would not conflict with existing or planned bicycle facilities.

Public sidewalks are proposed along the segments of Grand Avenue and Linda Vista Drive fronting the project. Sidewalks are also proposed throughout the internal roadways providing direct access to dwelling units, office and commercial buildings, and other on-site amenities.

Additionally, the project would reconstruct curb ramps located along project driveways, including detectable surface warning tactiles (yellow truncated domes). Implementation of the recommendation above should enhance the walkability and safety of the overall pedestrian environment, and reduce potential impacts to pedestrian facilities.

The project would not be inconsistent with any program, plan, or policy related to the above-mentioned goals nor would it preclude the City from implementing adopted transportation-related programs, plans, or policies. Additionally, since SB 743 went into effect, analysis of traffic congestion based on the level of service (LOS) metric is not part of the CEQA impact assessment. However, the City requires separate LOS-based traffic analysis to demonstrate that the traffic added by the project would maintain mobility performance goals outlined in the City's General Plan. As such, the LOS-based traffic study was submitted to the City under separate cover for review and approval (Appendix H-1).

The project would not conflict with any plans or policies regarding existing or proposed bicycle or pedestrian facilities in the study area and would be consistent with the City's General Plan Mobility Element, included in the General Plan Consistency Analysis within Appendix A. As discussed above, the project would not conflict with a program, plan, ordinance, or policy addressing the circulation system, including transit, roadway, bicycle, and pedestrian facilities, and impacts would be less than significant.

b) Would the project conflict or be inconsistent with CEQA Guidelines Section 15064.3, subdivision (b)?

Less-than-Significant Impact with Mitigation Incorporated. On September 27, 2013, SB 743 was signed into law, which creates a process to change the way that transportation impacts are analyzed under CEQA. SB 743 required the Governor's Office of Planning and Research to amend the CEQA Guidelines to provide an alternative to LOS for evaluating transportation impacts. Under the new transportation guidelines, LOS, or vehicle delay, will no longer be considered an environmental impact under CEQA. The Governor's Office of Planning and Research recommended VMT as the most appropriate measure of project transportation impacts for land use projects and land use plans. The updates to the CEQA Guidelines required under SB 743 were approved on December 28, 2018.

The Updated CEQA Guidelines state that "generally, vehicle miles traveled (VMT) is the most appropriate measure of transportation impacts" and define VMT as "the amount and distance of automobile travel attributable to a project." It should be noted that "automobile" refers to on-road passenger vehicles, specifically cars and light trucks. Heavy-duty truck VMT could be included for modeling convenience and ease of calculation (for example, where models or data provide combined auto and heavy truck VMT). Other relevant considerations may include the effects of the project on transit and non-motorized travel.

On November 16, 2020, the City adopted its Transportation Impact Analysis Guidelines (TIAG). The following sections describe the analysis methods outlined in the City's TIAG to describe how transportation related impacts are analyzed and identified in relation to VMT. Additionally, per the City TIAG, analysis methods are described to evaluate the traffic effect as a result of the proposed project in relation to LOS.

The City's TIAG provide screening criteria to screen out VMT based on project size, location, provision of affordable housing, and transit availability. The City uses screening Thresholds to quickly identify when a project should be expected to cause a less-than-significant impact without conducting a detailed VMT study. Relevant screening criteria for the proposed project is described below:

- Small Projects – Projects that generate fewer than 110 daily vehicle trips can be presumed to cause a less-than-significant transportation impact and would not require a detailed VMT analysis. Trips should be calculated using SANDAG trip generation rates (or other sources if an applicable SANDAG rate is not available).
- Map-Based Screening for Residential a–d Office Projects - Residential and office projects located in areas that generate VMT below adopted City Threshold can be presumed to have a less-than-significant transportation impact. This determination must be made by SANDAG's online residential and employment VMT maps for existing year or model baselines year VMT (whichever is available at the time analysis is being conducted), which show census tracts in the city where the VMT is below the regional average.
- Local-Serving Retail and Public Facilities – Retail projects that are 50,000 sf gross floor area or less can be presumed to have a less-than-significant transportation impact and would not require a detailed VMT analysis. Retail can include shopping centers as well as standalone uses such as commercial shops, gas stations, and restaurants. This screening criteria applies to the entirety of a retail project; it would not be applied to multiple tenants at a retail site separately. For a mixed-use project, this screening criteria should be applied to the retail/commercial component separately to determine if that portion of the project screens out of a detailed VMT analysis.

Since the project would be composed of a mix of land uses, each component was evaluated independently per land use type. The screening criteria evaluation for each component is detailed below.

- Residential Component – Per Section 2.1.2.5 of the City's TIAG, the project is located in an efficient VMT/capita area. Therefore, the residential component of the project is deemed to have a less-than-significant impact and no further VMT analysis is required.
- Office Component – Per Section 2.1.2.5 of the City's TIAG, the project's office component is not located in an efficient VMT/employee area. Therefore, the office component of the project would not be screened out from completing detailed VMT analysis.
- Retail Component – Per Section 2.1.2.3 of the City's TIAG, the project consists of less than 50,000 sf of retail and considered "local-serving retail." Therefore, the retail component of the project is to have a less-than-significant impact and no further VMT analysis is required.

The project's VMT per employee was obtained from the SANDAG VMT screening map. Per the City's TIAG, an employee project is determined to have a significant impact if the project generates VMT per employee greater than 85% of the regional average. The regional average VMT per employee was determined using the SANDAG Series 14 ABM2+/2021 RP Year 2016 Base Year model. As outlined in Appendix H-2, the project (office component) is anticipated to generate a VMT per employee of 16.80 miles, which exceeds the significance Threshold of 16.07 miles. Therefore, the project would have a significant VMT impact and mitigation measures are required to reduce VMT per employee.

The project's (office component) VMT per employee is not anticipated to fall under the significant Threshold as the project site is located in an area primarily composed of industrial and commercial land uses where

employees travel longer-than-average distances for work compared to the region. As noted above, the project would have a significant VMT impact for the office component and mitigation measures are required to reduce the VMT per employee. The project's total VMT per employee is 16.80 miles. To mitigate the project's VMT to less-than-significant levels, mitigation measures would need to reduce the total VMT per employee by 4.4% from 16.80 miles to 16.07 miles.

To reduce the average VMT per employee, the project would implement **MM-TRA-1**, a Transportation Demand Management Program. A Transportation Demand Management Program would facilitate increased opportunities for walking and bicycling, as well as provide the resources, means, and incentives for ridesharing and carpooling. The California Air Pollution Control Officers Association Handbook for Analyzing Greenhouse Gas Emission Reductions, Assessing Climate Vulnerabilities, and Advancing Health and Equity was taken into consideration initially; however, the SANDAG Mobility Management Guidebook/VMT Reduction Tool was determined more appropriate as it identifies several measures that specifically target employee VMT.

MM-TRA-1 would satisfy the "1A-Voluntary Employer Commute Program-5.4% employee VMT reduction with 100% employee eligibility" SANDAG VMT Reduction tool measure. Table 2.17-1, Project VMT Mitigation, summarizes the project's trip reductions and mitigation results.

Table 2.17-1. Project VMT Mitigation

VMT/Employee	Threshold	Mitigation Measures (% Reduction)	VMT/ Employee Reduction	Net VMT/ Employee	Mitigated?
16.80	16.07	SANDAG 1A (-5.4%)	-5.4%	15.89	Yes

Source: Appendix H-2.

Based on the VMT reduction results, implementation of MM-TRA-1 is anticipated to reduce the VMT per employee generated by 5.4%. Thus, with the implementation of MM-TRA-1, the project is anticipated to generate 15.89% VMT per employee, which does not exceed the 16.07 Threshold. Therefore, since the MM-TRA-1 would reduce the VMT per employee to less-than-significant levels, the impact is mitigated, and the project is considered to have a less-than-significant impact with mitigation incorporated.

c) Would the project substantially increase hazards due to a geometric design feature (e.g., sharp curves or dangerous intersections) or incompatible uses (e.g., farm equipment)?

Less-than-Significant Impact. The proposed project would be developed within the vacant and highly disturbed, previously developed property, with the addition of roadway modifications, sidewalk improvements, and driveways. The project site is located in an area surrounded by development, off Grand Avenue and Linda Vista Drive. As described within Section 2.17(a), the project would be served by four driveways.

As outlined in Appendix H-1, the project would not impede traffic at the driveways or adjacent roadway system. The LTA recommends that that the project driveways are constructed in accordance with City standards, and that stop signs are installed at project driveways (Appendix H-1).

All final project plans and the LTA prepared for the project (included as Appendix H-1) are subject to review and approval by the City and the San Marcos Fire Department. Proposed circulation improvements per the LTA would be designed in accordance with the City's roadway design standards to ensure proper safety

requirements are met (Appendix H-1). These proposed circulation improvements are part of the proposed project's design. All uses on-site, including vehicle, pedestrian and bicycle circulation would be typical of such a development, and no incompatible uses, or equipment are proposed. Further, the proposed project is a mixed-use development with residential and commercial uses and would not result in land uses that would be incompatible with the existing land uses surrounding the project site. Therefore, impacts regarding increases in hazards due to geometric design features or incompatible uses would be less than significant.

d) Would the project result in inadequate emergency access?

Less-than-Significant Impact. As described in response to Threshold c), the project would be served by two driveways located on Grand Avenue and two driveways located on Linda Vista Drive. All driveways would provide for full turning movements. According to the General Plan Safety Element, the San Marcos Emergency Operations Plan governs the operations of the City during a disaster. This plan addresses response to moderate evacuation scenarios, including the identification of evacuation points and general routes (City of San Marcos 2012b). The project would be required to abide by standards as set forth in the San Marcos Emergency Operations Plan. Implementation of the project would not impact any roadway or staging areas that are identified in any emergency planning documents and would not impair implementation of or physically interfere with an adopted emergency response plan or emergency evacuation plan.

Furthermore, the California Fire Code, along with the San Marcos Fire Department, administers the rules and regulations on fire access design. Final site plans will be required to show fire and emergency responders suitable fire access roads dimensions and surfaces (Chapter 5, Section 503.1 through Section 503.4 of the California Fire Code), an adequate number of emergency rated entrances to the community (Appendix D, Section D106 of the California Fire Code. All final project plans and the Traffic Impact Analysis prepared for the project are subject to review and approval by the City and the San Marcos Fire Department. Proposed circulation improvements would be designed in accordance with the City's roadway design standards to ensure proper safety requirements are met (Appendix H-1). Therefore, for the reasons outlined above, it is determined that impacts related to emergency access would be less than significant.

Mitigation Measures

MM-TRA-1 Transportation Demand Management (TDM) Program. To reduce the average VMT per employee, the property manager of the office component of the project shall provide transit information to the tenants as well as offers for transit passes or subsidizes transit fares. Rideshare and micro mobility parking shall be provided on site, as well as bicycle racks. Tenants within the office areas will be encouraged to implement telecommuting, flexible work schedules, and/or compressed work weeks. Additionally, a preferential parking permit program shall be implemented.

2.18 Tribal Cultural Resources

	Potentially Significant Impact	Less Than Significant Impact With Mitigation Incorporated	Less Than Significant Impact	No Impact
XVIII. TRIBAL CULTURAL RESOURCES				
Would the project cause a substantial adverse change in the significance of a tribal cultural resource, defined in Public Resources Code Section 21074 as either a site, feature, place, cultural landscape that is geographically defined in terms of the size and scope of the landscape, sacred place, or object with cultural value to a California Native American tribe, and that is:				
a) Listed or eligible for listing in the California Register of Historical Resources, or in a local register of historical resources as defined in Public Resources Code Section 5020.1(k), or	☐	☐	☒	☐
b) A resource determined by the lead agency, in its discretion and supported by substantial evidence, to be significant pursuant to criteria set forth in subdivision (c) of Public Resources Code Section 5024.1? In applying the criteria set forth in subdivision (c) of Public Resources Code Section 5024.1, the lead agency shall consider the significance of the resource to a California Native American tribe.	☐	☒	☐	☐

The evaluation of potential impacts to Tribal Cultural Resources (TCRs) is based on the findings resulting from tribal consultation conducted by the City, as the lead agency, as well as the findings of the Cultural Resources Phase I Inventory Report conducted by Dudek in December 2022 (Appendix D).

Senate Bill 18

California SB 18, which took effect on March 1, 2005, requires local (city and county) governments to consult with California Native American tribes identified by the NAHC for the purpose of protecting, and/or mitigating impacts to cultural places in creating or amending general plans and specific plans (Government Code Section 65352.3).

The project is subject to compliance with SB 18 (Government Code Section 65352.3), requires local governments to invite California Native American tribal representatives to participate in consultation about proposed General Plan and Specific Plan adoptions or amendments. The City is considering an amendment to the General Plan and Specific Plan for the parcels within the project site and as such, initiated SB 18 consultation. All NAHC-listed California Native American Tribal representatives that have requested project notification pursuant to SB 18 were sent letters by the City on May 18, 2022, via mail. The notification letters contained a project description, request for consultation, and contact information for the appropriate lead agency representative.

Assembly Bill 52

AB 52 of 2014 amended California Public Resources Code Section 5097.94 and added California Public Resources Code Sections 21073, 21074, 21080.3.1, 21080.3.2, 21082.3, 21083.09, 21084.2, and 21084.3. AB 52 established that TCRs must be considered under CEQA and also provided for additional Native American consultation requirements for the lead agency. California Public Resources Code Section 21074 describes a TCR as a site, feature, place, cultural landscape, sacred place, or object that is considered of cultural value to a California Native American Tribe. A TCR is either:

- On the CRHR or a local historic register;
- Eligible for the CRHR or a local historic register; or
- A resource determined by the lead agency, in its discretion and supported by substantial evidence, to be significant pursuant to criteria set forth in subdivision (c) of California Public Resources Code Section 5024.1.

AB 52 formalizes the lead agency–tribal consultation process, requiring the lead agency to initiate the opportunity for tribal consultation with California Native American groups that are traditionally and culturally affiliated with the project area, including tribes that may not be federally recognized. Lead agencies are required to begin consultation prior to the release of a negative declaration, MND, or EIR by contacting those tribal groups who have previously provided formal written request for notification of projects under the agency's jurisdiction.

Section 1 (a)(9) of AB 52 establishes that "a substantial adverse change to a tribal cultural resource has a significant effect on the environment." Effects on TCRs should be considered under CEQA. Section 6 of AB 52 adds Section 21080.3.2 to the California Public Resources Code, which states that parties may propose mitigation measures "capable of avoiding or substantially lessening potential significant impacts to a tribal cultural resource or alternatives that would avoid significant impacts to a tribal cultural resource." Further, if a California Native American tribe requests consultation regarding project alternatives, mitigation measures, or significant effects to TCRs, the consultation shall include those topics (California Public Resources Code, Section 21080.3.2[a]). Finally, the environmental document, for which the tribal consultation is focused, and the mitigation monitoring and reporting program (where applicable), developed in consideration of information provided by tribes during the formal consultation process, shall include any mitigation measures that are adopted (California Public Resources Code, Section 21082.3[a]).

The project is subject to compliance with AB 52 (California Public Resources Code, Section 21074), which requires consideration of impacts to TCRs as part of the CEQA process, and that the lead agency notify California Native American Tribal representatives (that have requested notification) who are traditionally or culturally affiliated with the geographic area of the proposed project. All NAHC-listed California Native American Tribal representatives that have requested project notification pursuant to AB 52 were sent letters by the City on May 3, 2022, via mail. The notification letters contained a project description, outline of AB 52 timing, an invitation to consult, a project site plan, and contact information for the appropriate lead agency representative.

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

a) ***Listed or eligible for listing in the California Register of Historical Resources, or in a local register of historical resources as defined in Public Resources Code Section 5020.1(k)?***

Less-than-Significant Impact. As described under Section 2.5, Cultural Resources, a SCIC records search and NAHC Sacred Lands File search were conducted for the project site. The SCIC and NAHC Sacred Lands File results identified one cultural resource within the project area, which consists of a historic-age trash scatter. As discussed in Section 2.5, this resource did not meet the eligibility requirements for listing on the NRHP under any criteria. Moreover, an additional 47 cultural resources were identified within the 1-mile buffer. A NAHC Sacred Lands File search was requested on October 10, 2022. The results were received on November 30, 2022, and the results were negative. Therefore, the project would not adversely affect TCRs that are listed or eligible for listing in the state or local register. Impacts would be less than significant.

b) ***A resource determined by the lead agency, in its discretion and supported by substantial evidence, to be significant pursuant to criteria set forth in subdivision (c) of Public Resources Code Section 5024.1? In applying the criteria set forth in subdivision (c) of Public Resource Code Section 5024.1, the lead agency shall consider the significance of the resource to a California Native American tribe.***

Less-than-Significant Impact with Mitigation Incorporated. The project is subject to compliance with AB 52 and SB 18 (California Public Resources Code, Section 21074), which requires consideration of impacts to TCRs as part of the CEQA process and requires lead agencies to provide notification of proposed projects to California Native American Tribal representatives that have requested such notifications. Outreach letters to all Native American group representatives included on the NAHC contact list were mailed out on May 3, 2022 as part of preparation of the Cultural Resources report to be completed for the project. To date, two (2) Tribes have requested consultation, including Rincon Band of Luiseño Indians on May 20, 2022; and San Luis Rey Band of Mission Indians on June 6, 2022. The City conducted the consultation meeting with representatives of the San Luis Rey Band of Mission Indians on June 1, 2023, and consultation with the San Luis Rey Band of Mission Indians was concluded on January 12, 2023. The City conducted the consultation meeting with representatives of the Rincon Band of Luiseño Indians on February 21, 2023, with consultation concluding on February 21, 2023. Both the San Luis Rey Band of Mission Indians and Rincon Band of Luiseño Indians concluded formal consultation with the understanding that the project would implement the City's standard tribal cultural resource mitigation measures. The project would implement these mitigation measures as outlined under MM-CUL-1 through MM-CUL-4 in Section 2.5 above. Consultation is pending completion with the San Pasqual Band of Mission Indians at this time, and the City requested a close-out letter from the San Pasqual Band of Mission Indians on May 15, 2023.

Implementation of **MM-CUL-1** through **MM-CUL-4**, as discussed in Section 2.5, would reduce the potential for impacts to TCRs to occur, should any resources be located within the site's subsurface. Therefore, impacts would be less than significant with mitigation incorporated.

2.19 Utilities and Service Systems

	Potentially Significant Impact	Less Than Significant Impact With Mitigation Incorporated	Less Than Significant Impact	No Impact
XIX. UTILITIES AND SERVICE SYSTEMS – Would the project:				
a) Require or result in the relocation or construction of new or expanded water, waste water treatment or storm water drainage, electric power, natural gas, or telecommunications facilities, the construction or relocation of which could cause significant environmental effects?	☐	☐	☒	☐
b) Have sufficient water supplies available to serve the project and reasonably foreseeable future development during normal, dry, and multiple dry years?	☐	☐	☒	☐
c) Result in a determination by the waste water treatment provider which serves or may serve the project that it has adequate capacity to serve the project's projected demand in addition to the provider's existing commitments?	☐	☐	☒	☐
d) Generate solid waste in excess of state or local standards, or in excess of the capacity of local infrastructure, or otherwise impair the attainment of solid waste reduction goals?	☐	☐	☒	☐
e) Comply with federal, state, and local management and reduction statutes and regulations related to solid waste?	☐	☐	☒	☐

The following analysis is based, in part, on the Preliminary Drainage Study and SWQMPs prepared for the project by Fuscoe Engineering LLC in March 2023, and on the Water and Sewer Study prepared by VWD in May 2023, which are included as Appendix I, J, K, and L, respectively, to this EIR.

a) ***Would the project require or result in the relocation or construction of new or expanded water, wastewater treatment or storm water drainage, electric power, natural gas, or telecommunications facilities, the construction or relocation of which could cause significant environmental effects?***

Less-than-Significant Impact. The project would not require or result in the relocation or construction of new or expanded water, wastewater treatment or stormwater drainage, electric power, natural gas, or telecommunication facilities for the reasons discussed in the following subsections.

Water Facilities

The project involves the construction of a 102-unit multifamily residential community, office space, and commercial space, which would increase demand for water supply on the project site. Water service would be provided by VWD, and there are existing water lines within Grand Avenue and Linda Vista Drive. The project site is within VWD's 855 Pressure Zone. The commercial portion of the project site would make two fire water connections, one in Grand Avenue and one in Linda Vista Drive. One domestic water line would connect at Grand Avenue. Water connections on the residential portion of site would be made to existing VWD water service lines underneath Grand Avenue. According to the VWD 2020 Urban Water Management Plan (UWMP), the anticipated demand for water supply within VWD's service area is anticipated to be greater than the demand for water in the future, which indicates that VWD has available capacity to serve the proposed project (see Section 2.19[b]). The project's nominal contribution to the total water demand could be served by existing water facilities serving the project area without requiring new or expanded facilities. Additionally, a Water and Sewer Study prepared for the project (Appendix L) concluded that although the project would increase the projected average water demand by approximately 28,967 gallons a day, the water storage capacity is available to serve the project's increased storage requirements. Therefore, impacts associated with the construction or expansion of water facilities would be less than significant.

Wastewater Treatment Facilities

Wastewater collection would be provided by VWD, and there are existing sewer lines within Grand Avenue and Linda Vista Drive. Existing 8-inch and 15-inch wastewater lines are located adjacent to the project site, which connect to larger pipelines in Las Posas Road (Appendix L). The commercial portion of the project site would gravity drain via proposed 8-inch sewer lines connecting to an existing public sewer main in Linda Vista Drive. A separate 8-inch grease wastewater line would be constructed in anticipation of the inclusion of restaurant uses within the commercial portion of the site and would gravity drain to an internal sewer line connection before continuing to the public sewer connection in Linda Vista Drive. Grease traps would be strategically located along the 8-inch grease wastewater line to capture grease from restaurants. Restaurants may be required to install additional grease traps during the tenant improvement process per City of San Marcos Building Code requirements. The residential portion of the project site would gravity drain via a proposed 8-inch sewer line to a public sewer connection on site. An existing 8-inch wastewater line located on the western property line will be abandoned and instead would gravity flow underneath proposed driveways to a connection on the adjacent property to the existing sewer line. A new 20-foot easement would be granted to VWD for the rerouted sewer line while VWD would maintain the rights to the existing 20-foot sewer easement through the site.

The VWD currently has a wastewater system that has a total liquids treatment capacity of 12.45 million gallons per day (MGD), and has an estimated maximum daily flow of approximately 9.54 MGD (City of San Marcos 2012c). VWD's award-winning Meadowlark Water Reclamation Facility (MRF) is capable of recycling up to 74% of the wastewater generated in VWD's service area. Built in 1961, MRF is located within the southwestern portion of VWD's service area in Carlsbad. The MRF treats wastewater to meet the stringent standards of California Title 22 and Waste Discharge Permit R9-2007-0018 issued by RWQCB Region 9.

Wastewater generated by the proposed project would be treated by the MRF. MRF has a capacity of 5 MGD, with a wet weather treatment capacity of 8 MGD, and treats wastewater at 0.25 MGD. It is expected that the MRF would be able to adequately treat wastewater flows from the proposed project, and therefore new

wastewater treatment facilities would not be needed. Additionally, a Water and Sewer Study prepared for the project (Appendix L) concluded that although the project would increase the projected wastewater generation by 21,097 gallons per day, there is capacity currently available to serve the proposed project.

Thus, the project would not require or result in the relocation or construction of new wastewater treatment facilities that would cause significant environmental effects. Therefore, impacts would be less than significant.

Stormwater Drainage Facilities

As described in Section 2.10, Hydrology and Water Quality, and as outlined in the "West" and "East" SWQMPs (Appendices J and K), the existing site consists of development areas that were previously commercial pads but have since been demolished. The channel was recently improved by the City, and the development area had new storm drains added to collect runoff from the pads and discharge into the improved channel. A bridge was constructed to link to the "West" and "East" sites.

In existing conditions, there are some subtle flow paths where the site drains to the storm drain outlets that were constructed as part of the channel improvements at nodes 200 and 400. The westerly third of the "West" site leads to a local depression near node 10 before spilling out onto the adjacent property to the west. The proposed development areas will be re-graded to ensure that the runoff is routed to the channel. The site has a system of concrete swales and storm drains to collect runoff and convey it to water quality basins and/or underground detention structures for hydromodification storage before being discharged to the channel at nodes 200, 400, and 1000.

The site has less defined flow paths on the "East" side. It appears that some of the site drains to the newly constructed storm drain at nodes 300, 700, and 900 while other parts may sheet flow over the side of the channel at nodes 600 and 800. The easternmost third of the proposed commercial site is very flat due to the concrete foundations that were left behind. While the flow paths are less definitive, it appears as though it generally flows out through the sheet flow onto Linda Vista Drive. There are storm drain inlets further south down Linda Vista Drive that discharge into the same channel that bisects the project, so any runoff that leaves the project site ultimately ends up in the same channel. The proposed development areas would be re-graded to ensure that the runoff is routed to the channel. Runoff would no longer be allowed to spill out onto the adjacent property to the south or out onto Linda Vista Drive. The proposed residential uses on the "West" site have a system of concrete swales and storm drains to collect runoff and convey it to water quality basins and/or underground detention structures for hydromodification storage being discharged to the channel at nodes 200, 400, and 1000. The proposed commercial uses on the "East" site have a similar pattern, except that there would be no underground detention, and a storm drain system that outlets to the channel at nodes 300, 700, and 900 would be implemented.

The storm drain system for the proposed project has been designed for the 100-year storm event. Through the use of on-site detention systems, the site has been designed so that the channel would see no increase in flow for the proposed condition. The proposed project would benefit the adjacent properties by eliminating potential vector control issues with localized ponding and re-routing flows that currently lead off-site or add to runoff in the street. In the proposed condition, those off-site runoffs would be captured, treated, for water quality, and safely released to the channel.

The proposed development areas will be re-graded to ensure that the runoff is routed to the channel. Runoff would no longer be allowed to spill out onto the adjacent property to the south or out onto Linda Vista Drive. The residential site has a system of concrete swales and storm drains to collect runoff and convey it to water quality basins and/or underground detention structures for hydromodification storage before being discharged to the channel at nodes 200, 400, and 1000. The commercial site has a similar system, except that there will be no underground detention. That side of the project will have a storm drain system that outlets to the channel at nodes 300, 700, 900. Proposed public improvements around the site would be treated by green street elements including trees.

All storm water runoff would be conveyed through on-site private storm water quality facilities and storm drain system. Although new stormwater drainage facilities would be constructed, these improvements are part of the project analyzed herein, and as such, any potential environmental impacts related to these components of the project are already accounted for in this IS/MND as part of the impact assessment conducted for the entirety of the project. No adverse physical effects beyond those already disclosed in this IS/MND would occur as a result of implementation of the project's stormwater drainage system improvements. Therefore, impacts associated with stormwater drainage facilities would be less than significant.

Electric Power Facilities

Electric power service would be provided to the project site by San Diego Gas and Electric. Any proposed above-ground transformers and electrical facilities that solely service the project site would be placed on-site and not within the City's right-of-way. If feasible, and at the discretion and concurrence from SDG&E, all existing aboveground utility poles along the project frontage on Grand Ave. would be undergrounded.

At full built-out, the project's operational phase would require electricity for building operations (appliances, lighting, etc.). In addition, the project would be required to comply with the 2016 Title 24 standards or the most recent standards at the time of building permit issuance. The energy-using fixtures within the project would likely be newer technologies, using less electrical power. Therefore, impacts associated with electrical power facilities would be less than significant.

Natural Gas Facilities

Natural gas would be provided by San Diego Gas and Electric. The project would comply with 2016 Title 24 building energy efficiency standards, reducing energy used in the state. Based on compliance with Title 24, the project would generate a need for natural gas that is consistent with multifamily homes, commercial and office uses. Therefore, impacts associated with natural gas facilities would be less than significant.

Telecommunications Facilities

The City is served by multiple telephone service providers. Since the project site is in an urbanized area and is nearby other residential uses, there are existing telecommunication facilities that would be able to serve the project site, including Cox Communications and AT&T. Once the project is completed, the residents of the project would be able to connect to existing telecommunication services without the need for expansion or construction of new facilities. Therefore, impacts associated with telecommunications facilities would be less than significant.

b) Would the project have sufficient water supplies available to serve the project and reasonably foreseeable future development during normal, dry and multiple dry years?

Less-than-Significant Impact. The project site would receive its water supply from the VWD. According to the City's General Plan, the VWD receives its water from MWD, which imports water from the Colorado River and Northern California (City of San Marcos 2012c).

MWD was formed in 1928 to develop, store, and distribute supplemental water to southern California for domestic and municipal purposes. MWD consists of 26 member agencies and has a service area covering six counties, 5,200 square miles, and approximately 19 million people. MWD obtains water from local sources as well as the Colorado River, via the Colorado River Aqueduct, and the Sacramento-San Joaquin Delta, via the State Water Project. MWD's UWMP documents the availability of these supplies to meet future demands. With a projected annual water demand of 4,925,000 acre-feet per year for 2025, the MWD UWMP concludes that, with implementation of required conservation measures, MWD has supply capabilities sufficient to meet expected demands through 2045 under normal, single dry, and multiple dry water years (MWD 2021).

In general, water demand tends to increase in dry years, primarily due to increased water activities such as landscape irrigation. Thus, to assess the reliability of their water supply service, every urban water supplier is required to assess its water service under normal, dry, and multiple-dry water years. Although the project site was not accounted for as a residential land use in the MWD's UWMP, the water demand generated by the project is expected to present an insignificant increase in water demand relative to the annual water demand projected by the MWD's UWMP.

Further, the project site would be developed in compliance with the California Green Building Code, which implements water efficiency standards for appliances and fixtures. Compliance with the California Green Building Code would further reduce project water usage in combination with VWD and MWD's ongoing water conservation practices. VWD requires a development-specific evaluation of water use to determine its ability to service any development and capacity fees to be paid. A "Water Availability" letter will be required for processing the proposed project (VWD 2021). Compliance with these regulations and conservation measures will ensure sufficient water supplies are available to service the proposed project. Impacts to water services would be less than significant.

c) Would the project result in a determination by the wastewater treatment provider which serves or may serve the project that it has adequate capacity to serve the project's projected demand in addition to the provider's existing commitments?

Less-than-Significant Impact. A significant impact would occur if the wastewater treatment provider indicates that a project would increase wastewater generation to such a degree that the capacity of the facilities currently serving the project site would be exceeded. As described in Section 2.19(a), wastewater generated at the project site would be treated at the MRF. MRF has a capacity of 5 MGD, with a wet weather treatment capacity of 8 MGD, and treats wastewater at 0.25 MGD. It is expected that the MRF would be able to adequately treat wastewater flows from the project, even with the additional wastewater flow that was not accounted for in the Land Outfall's capacity studied in the 2018 Master Plan (Appendix L). Therefore, impacts associated with wastewater treatment capacity would be less than significant.

d) Would the project generate solid waste in excess of state or local standards, or in excess of the capacity of local infrastructure, or otherwise impair the attainment of solid waste reduction goals?

Less-than-Significant Impact. A significant impact may occur if a project were to increase solid waste generation to such a degree that existing and projected landfill capacities would be insufficient to accommodate the additional solid waste.

Solid waste disposal in the City is provided by a private franchise hauler, EDCO Waste and Recycling (EDCO), a private waste collection and recycling company that handles all residential, commercial, and industrial collections within the City (City of San Marcos 2012c). Waste collected by EDCO is hauled to the Escondido Resource Recovery Transfer Station. Waste is then transported to the Sycamore Sanitary Landfill in Santee, while recyclable materials are processed at the Escondido Resource Recovery Transfer Station (City of San Marcos 2012c). The project site would be serviced by EDCO.

The Escondido Resource Recovery Transfer Station has a permitted daily maximum capacity of 3,223 tons. Solid waste is consolidated here and trucked to a landfill for disposal. The Sycamore Sanitary Landfill has a daily permitted throughput of 5,000 tons/day of solid waste, a remaining capacity of approximately 113,972,637 cubic yards, and an anticipated closure date of 2042 (CalRecycle 2022).

The project would result in the development of 109 multifamily residential units, 7,658 sf of office space, and 49,266 sf of retail space. Project construction would involve some generation of waste during demolition; however, in accordance with AB 939, the construction contractor would ensure that source reduction techniques and recycling measures are incorporated into project construction. Once operational, the project would result in waste typically associated with multifamily residences, commercial uses, and office space uses. According to the California Department of Resources Recycling and Recovery, multifamily residences generate approximately four pounds per dwelling unit per day, commercial uses generate approximately 10.53 pounds per employee per day, and office space uses generate approximately 1.24 pounds per employee per day (CalRecycle 2019).

Considering the project site was previously developed with commercial uses, and considering existing capacity of landfills in the project vicinity, the proposed project is expected to be adequately served by the El Sobrante and Badlands Landfill. In addition, the project would implement recycling and waste diversion programs consistent with City requirements. Solid waste generated by the project would not generate waste in excess of state or local standards. Therefore, impacts associated with landfill capacity would be less than significant.

e) Would the project comply with federal, state, and local management and reduction statutes and regulations related to solid waste?

Less-than-Significant Impact. The proposed project would be required to comply with all federal, state, and local statues and regulations related to solid waste, diversion of waste, and recycling. All solid waste facilities, including landfills, require solid waste facility permits to operate. In San Diego County, California Public Resources Code (Sections 44001–44018) and California Code of Regulations Title 27, Division 2, Subdivision 1, Chapter 4 (Section 21440 et seq.) authorizes the County Department of Environmental Health, Local Enforcement Agency to issue solid waste facility permits. Sycamore Sanitary Landfill is a permitted facility and EDCO is a licensed hauler. For these reasons, and the reasons stated above under Section 2.19(d), impacts related to solid waste as a result of project implementation would be less than significant.

2.20 Wildfire

	Potentially Significant Impact	Less Than Significant Impact With Mitigation Incorporated	Less Than Significant Impact	No Impact
XX. WILDFIRE – If located in or near state responsibility areas or lands classified as very high fire hazard severity zones, would the project:				
a) Substantially impair an adopted emergency response plan or emergency evacuation plan?	☐	☐	☒	☐
b) Due to slope, prevailing winds, and other factors, exacerbate wildfire risks, and thereby expose project occupants to pollutant concentrations from a wildfire or the uncontrolled spread of a wildfire?	☐	☐	☒	☐
c) Require the installation or maintenance of associated infrastructure (such as roads, fuel breaks, emergency water sources, power lines or other utilities) that may exacerbate fire risk or that may result in temporary or ongoing impacts to the environment?	☐	☐	☒	☐
d) Expose people or structures to significant risks, including downslope or downstream flooding or landslides, as a result of runoff, post-fire slope instability, or drainage changes?	☐	☐	☒	☐

a) Would the project substantially impair an adopted emergency response plan or emergency evacuation plan?

Less-than-Significant Impact. The project site is not located within or adjacent to a state responsibility area or local responsibility area Very High Fire Hazard Severity Zone (CAL FIRE 2009). The project site is located within an urbanized and developed area of the City. Although the project site is on undeveloped land, this wildland is not in an area subject to high fire risk. The nearest VHRHSZ is a local responsibility area located approximately 0.7 miles southwest of the proposed project site (CAL FIRE 2009). As discussed in Section 2.9, Hazards and Hazardous Materials, the proposed project would be required to comply with all applicable state and local fire codes, including compliance with the California Fire Code and the San Marcos Fire Department, which require a design that affords fire and emergency responders suitable fire access roads dimensions and surfaces (Chapter 5, Section 503.1 through Section 503.4 of the California Fire Code). The proposed project would not substantially impair an adopted emergency response plan or emergency evacuation plan and, therefore, impacts are determined to be less than significant.

b) Due to slope, prevailing winds, and other factors, would the project exacerbate wildfire risks, and thereby expose project occupants to pollutant concentrations from a wildfire or the uncontrolled spread of a wildfire?

Less-than-Significant Impact. The proposed project site is located in a developed area of the City and is not located within or adjacent to a fire hazard severity zone. Although the project site includes native vegetation that could experience a relatively small-scale wildfire risk, the proposed project land uses would not exacerbate that risk. The preliminary site plans and emergency access for the proposed project will be reviewed by City Fire and would be in compliance with the Fire Code. It has been determined that the proposed project would not exacerbate wildfire risks, exposing occupants to pollutants and, therefore, impacts would be less than significant.

c) Would the project require the installation or maintenance of associated infrastructure (such as roads, fuel breaks, emergency water sources, power lines, or other utilities) that may exacerbate fire risk or that may result in temporary or ongoing impacts to the environment?

Less-than-Significant Impact. While the proposed project would require the installation of water sources and other underground utilities to connect to the City's existing infrastructure (refer to Section 2.19), these would not exacerbate fire risks, as the proposed project is not located within or adjacent to a fire hazard severity zone and these improvements would be constructed within an existing right-of-way or within the project site boundary. The project does not propose any new overhead utility lines nor construction of roads to serve the project site. The proposed project would not require the installation or maintenance of such infrastructure which would exacerbate fire risk, and therefore, impacts are determined to be less than significant.

d) Would the project expose people or structures to significant risks, including downslope or downstream flooding or landslides, as a result of runoff, post-fire slope instability, or drainage changes?

Less-than-Significant Impact. The project is not located in a Very High Fire Hazard Severity Zone and risk of wildfire is considered low within the project site due the relative size of the habitat area and location. The Geotechnical Evaluation (Appendix E) also does not note any significant landslide risks based on the soil types. The project would not expose people or structures to significant risks, including downslope or downstream flooding or landslides, as a result of runoff, post-fire slope instability, or drainage changes. Therefore, impacts are determined to be less than significant.

2.21 Mandatory Findings of Significance

	Potentially Significant Impact	Less Than Significant Impact With Mitigation Incorporated	Less Than Significant Impact	No Impact
XXI. MANDATORY FINDINGS OF SIGNIFICANCE				
a) Does the project have the potential to substantially degrade the quality of the environment, substantially reduce the habitat of a fish or wildlife species, cause a fish or wildlife population to drop below self-sustaining levels, threaten to eliminate a plant or animal community, substantially reduce the number or restrict the range of a rare or endangered plant or animal, or eliminate important examples of the major periods of California history or prehistory?	☐	☒	☐	☐
b) Does the project have impacts that are individually limited, but cumulatively considerable? ("Cumulatively considerable" means that the incremental effects of a project are considerable when viewed in connection with the effects of past projects, the effects of other current projects, and the effects of probable future projects.)	☐	☒	☐	☐
c) Does the project have environmental effects which will cause substantial adverse effects on human beings, either directly or indirectly?	☐	☒	☐	☐

a) ***Does the project have the potential to substantially degrade the quality of the environment, substantially reduce the habitat of a fish or wildlife species, cause a fish or wildlife population to drop below self-sustaining levels, threaten to eliminate a plant or animal community, substantially reduce the number or restrict the range of a rare or endangered plant or animal, or eliminate important examples of the major periods of California history or prehistory?***

Less-than-Significant Impact with Mitigation Incorporated. As described throughout this IS/MND, with the incorporation of the identified mitigation measures for biological, paleontological, and cultural resources, the project would not degrade the quality of the environment; would not substantially reduce the habitats of fish or wildlife species; would not cause a fish or wildlife population to drop below self-sustaining levels; would not threaten to eliminate a plant or animal; and would not eliminate important examples of major periods of California history or prehistory. Therefore, impacts would be less than significant with mitigation incorporated.

b) Does the project have impacts that are individually limited, but cumulatively considerable? ("Cumulatively considerable" means that the incremental effects of a project are considerable when viewed in connection with the effects of past projects, the effects of other current projects, and the effects of probable future projects.)

Less-than-Significant Impact with Mitigation Incorporated. When evaluating cumulative impacts, it is important to remain consistent with Section 15064(h) of the CEQA Guidelines, which states that an EIR must be prepared if the cumulative impact may be significant and the project's incremental effect, though individually limited, is cumulatively considerable. "Cumulatively considerable" means that the incremental effects of an individual project are significant when viewed in connection with the effects of past projects, the effects of other current projects, and the effects of probable future projects.

Alternatively, a lead agency may determine that a project's incremental contribution to a significant cumulative effect is not cumulatively considerable through mitigation measures set forth in an IS/MND or if the project will comply with the requirements in a previously approved plan or mitigation program that provides specific requirements that will avoid or substantially lessen the cumulative problem within the geographic area in which the project is located.

The proposed project would potentially result in project related impacts to biological resources, cultural resources, geology and soils, hazards and hazardous materials, and transportation resources that could be potentially significant without the incorporation of mitigation. Thus, when coupled with potential impacts related to the implementation of other related projects throughout the broader project area, the project would potentially result in cumulative-level impacts if these significant impacts are left unmitigated.

Cumulative projects in the project site area that were considered in the project analysis include the 10 cumulative projects outlined in Section 6.1 of the LTA prepared for the project (Appendix H-1). These cumulative projects include, Pacific Commercial; San Marcos Highlands; El Dorado II Specific Plan; Villa Serena; Mariposa (Phase 1); Murai Subdivision; Pacifica San Marcos; Karl Strauss Brewery; Gran Vista Multi-Family; and Hughes Circuits projects.

With the incorporation of mitigation identified throughout this IS/MND, the project's impacts to biological resources, cultural resources, geology and soils, hazards and hazardous materials, and transportation resources would be reduced to less-than-significant levels and would not considerably contribute to cumulative impacts in the greater project region. In addition, these other related projects would presumably be bound by their applicable lead agency to (1) comply with all applicable federal, state, and local regulatory requirements; and (2) incorporate all feasible mitigation measures, consistent with CEQA, to further ensure that their potentially cumulative impacts would be reduced to less-than-significant levels.

Although cumulative impacts are always possible, the proposed project, by incorporating all mitigation measures outlined herein, would reduce its contribution to any such cumulative impacts to less than cumulatively considerable; therefore, the project would result in individually limited, but not cumulatively considerable, less-than-significant impacts with mitigation incorporated.

c) Does the project have environmental effects which will cause substantial adverse effects on human beings, either directly or indirectly?

Less-than-Significant Impact with Mitigation Incorporated. As evaluated throughout this IS/MND, with incorporation of mitigation identified herein, all environmental impacts associated with the project would be reduced to less-than-significant levels. Thus, the project would not directly or indirectly cause substantial adverse effects on human beings. Impacts would be less than significant with mitigation incorporated.

3 References and Preparers

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3.2 List of Preparers

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David Faith, Cultural Resources Specialist
Mark Storm, Senior Noise Specialist

City of San Marcos

Chris Garcia, Senior Planner

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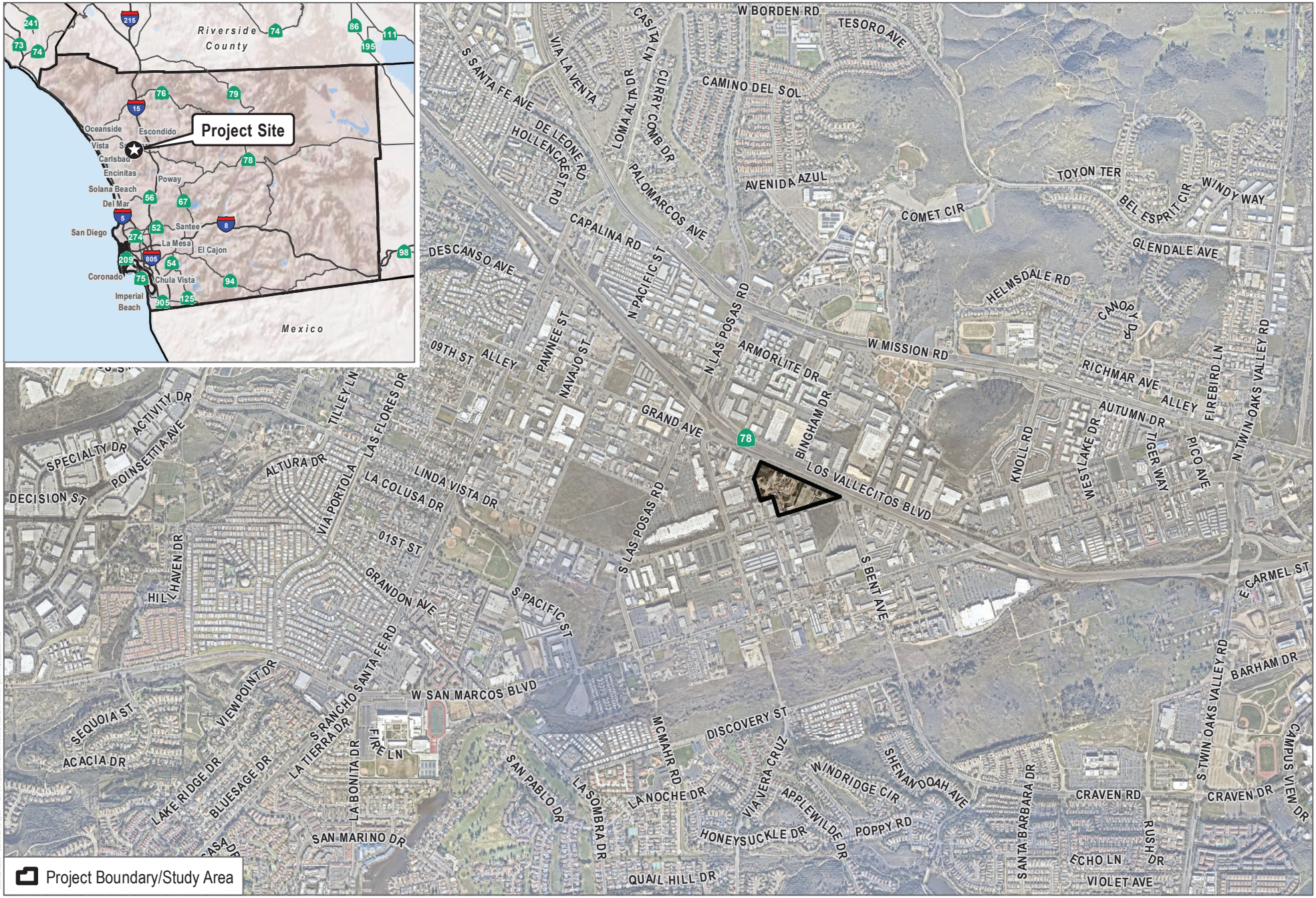

SOURCE: SANGIS 2020, 2022

DUDEK

0 1,000 2,000 Feet

FIGURE 1

Project Location

Marcos Specific Plan Project

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SOURCE: Fuscoe 2022; City of San Marocs 2022; SANGIS 2022

DUDEK

0 100 200 Feet

FIGURE 2

Project Site

Marcos Specific Plan Project

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SOURCE: CR Associates San Marcos Artist's Village TIA, 2022

FIGURE 3

Illustrative Site Plan

Marcos Specific Plan Project

DUDEK

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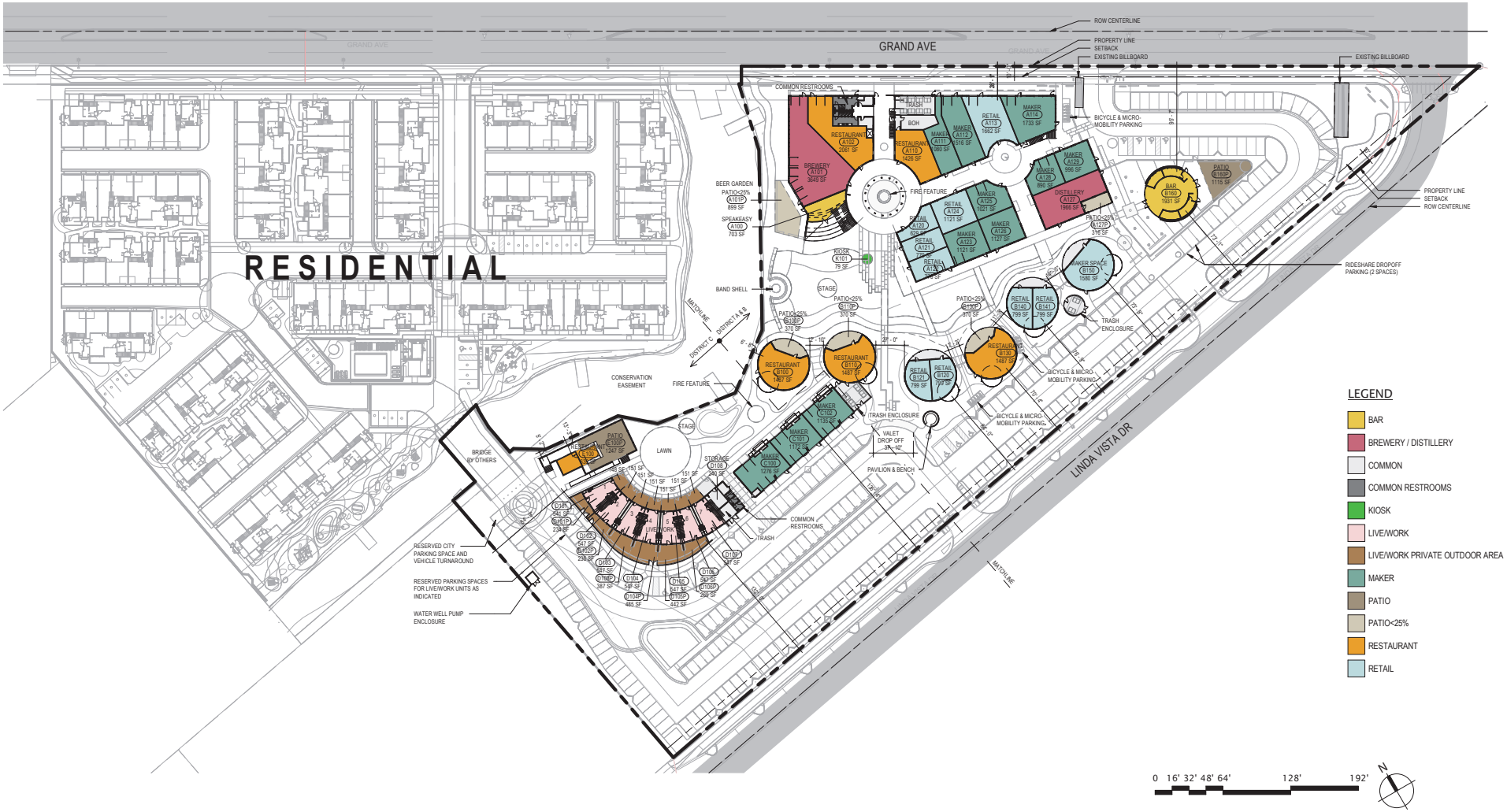

SOURCE: Olson Kundig 2023

FIGURE 4

Conceptual Site Plan

Marcos Specific Plan Project

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FIGURE 5a

Conceptual Westend Planning Area Landscape Plan

Marcos Specific Plan Project

DUDEK

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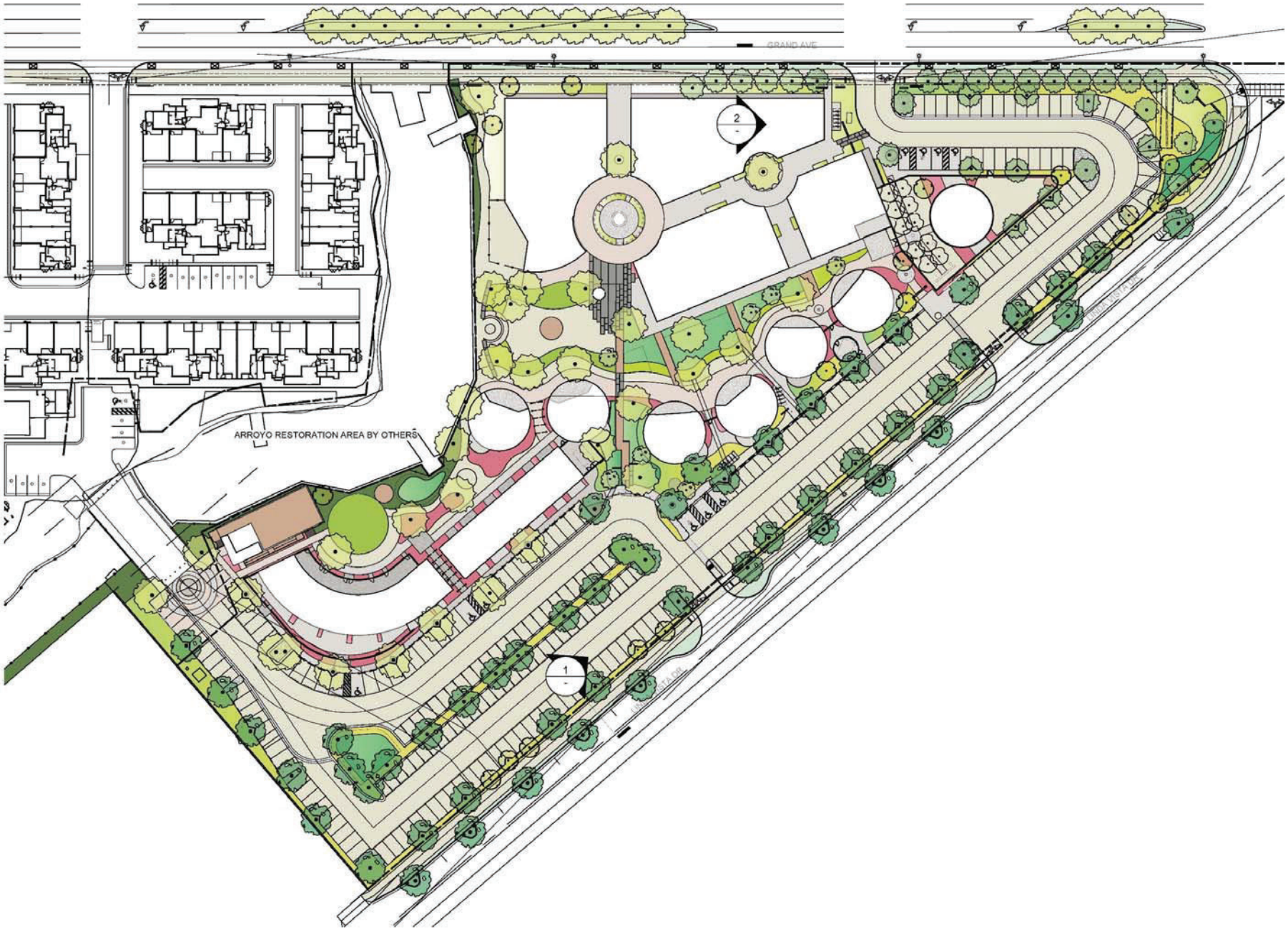

FIGURE 5b

Conceptual Eastend Planning Area Landscape Plan

Marcos Specific Plan Project

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Appendix A
Marcos Specific Plan

Marcos Specific Plan

Marcos Specific Plan

June 2023

SP22-0003

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Chapter 1: Specific Plan Summary

1 Specific Plan Summary

The Marcos Specific Plan hereafter also noted as "Specific Plan" or "Plan," has been written with the intent to provide regulations for the development of an attractive, multiple land use, urban, commercial-residential community at the intersection of Grand Avenue and Linda Vista Drive in the City of San Marcos, California. The following chapters will explain the vision for this community and the proposed development standards, design guidelines, utilities, infrastructure, and public services necessary to implement that vision and support future development.

1.1 Specific Plan Summary Description

The Marcos Specific Plan provides the City of San Marcos a comprehensive planning tool to help guide the orderly development of a new multi-land use development. Located just south of State Route 78 at the corner of Grand Avenue and Linda Vista Drive, the 12.06-acre Specific Plan Area is conveniently situated in central San Marcos and close to multiple freeway access points. The site is central to educational, retail, office, and industrial uses, making it an ideal location for infill development. The Specific Plan envisions a high quality, urban living environment that provides strong pedestrian connectivity to surrounding uses supported by modern artist-inspired commercial, live-work, makerspace, retail development hub and high-quality multi-family residential including recreational open space amenities to their residents. The Specific Plan is separated into three distinct planning areas divided by the Las Posas Creek Planning Area, which is a 0.98-acre city-owned parcel included in the Specific Plan Area. The East-End Planning Area is approximately 6.05-acres and is located on the east portion of the Specific Plan and is considered an innovative arts-focused commercial, live-work, makerspace, and retail development. Site design for the East-End Planning Area provides an atmosphere which blends creative commercial spaces, live-work concepts, and landscaped open spaces into unique shopping experiences for visitors and creative spaces for commercial, live-work, makerspace, retail, restaurant, and artistic-oriented studio and maker spaces for artisans and craftspeople. The West-End Planning Area is approximately 5.03-acres and is located on the west portion of the Specific Plan area and would include a multi-family land use of approximately 20.3 dwelling units per acre. The West-End Planning Area includes 102 multi-family dwelling units in 15 separate buildings ranging in composition from 4 units per building to 10 units per building. Floor plans within each building will consist of stacked flat, townhomes and carriage-style unit plans. All floor plans will have two-car direct access garages with 24 units providing tandem parking to maximize the site. A total of 34 guest parking spaces will be distributed throughout the site for the convenience of the residents. As part of the West-End site plan layout, there will be approximately 80,767 SF of common open space including recreational amenities such as a pool, BBQ area, walking path adjacent to Las Posas Creek, and other amenities spread throughout the planning area. Individual units will have the benefit of private open space ranging from 95 sf to 255 SF with a total of 14,899 SF of private open space provided throughout the West-End Planning Area dwelling units. Buildings will be oriented to increase open space with paseos serving as interior courtyards as well as facing Las Posas Creek to take advantage of the vegetation along the creek. The Marcos Specific Plan will meld contemporary and modern architectural and landscape styles to reflect the urban setting. The Planning Areas will be designed to engage users and residents via an interconnected series of landscaped spaces and walkways within each respective Planning Area. An existing bridge spanning the restored meandering creek is nestled between the Planning Areas and creates a natural pedestrian and emergency vehicle connectivity between the residential land use and the commercial, retail, and makerspace land uses facilitating easy access to shops and restaurants for

residents of the West-End Planning Area. The result is an attractive, conveniently located, safe, and efficient urban development which contributes to the enhancement of the quality of life within the City of San Marcos.

1.2 Specific Plan Preparation Statement

The preparation of this Specific Plan began with a comprehensive site analysis. Issues such as total usable lot area, land uses, densities and floor area ratio, infrastructure, architecture, open space, and others were included in the analysis. Based on those evaluations, this Specific Plan was developed to encompass comprehensive rules which allow development to be realized. Elements including land uses and design standards, circulation and infrastructure, financing methods, and implementation were compiled to guide development within the Plan area.

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Chapter 2: Introduction

2 Specific Plan Introduction

The Marcos Specific Plan has been created to assist readers seeking to develop uses within the boundaries of the Specific Plan area and provides the framework for project design and development by providing rules, regulations, and guidance prior to embarking on project design. The chapters included within this document outline the following: Site history and regulatory compliance with State and local rules and regulations, land uses anticipated within the Plan area, design rules and regulations which should be relied upon when developing building plans, circulation infrastructure for bicycles, pedestrians, public transit, and vehicles, infrastructure required to service the plan area, the scale of site work required to provide buildable areas within the Plan area, public facilities required to service the Specific Plan area, fees and maintenance responsibilities required for regular site and public infrastructure installation and upkeep, and implementation strategies for future development. When adhering to the chapters mentioned above the developer and city can expect to facilitate the orderly design, development and implementation of projects within the Specific Plan area.

2.1 Specific Plan Purpose and Scope

The Marcos Specific Plan is a comprehensive plan designed to ensure the efficient development of a new mixed-use community. The Specific Plan serves as both a policy document and a regulatory document for the systematic implementation of the policies and goals of the General Plan. As a policy document, the Specific Plan embodies the broad policy directives of the General Plan and applies those policies and goals to the establishment of specific objectives for the planning area. As a regulatory document, the Specific Plan provides direction for the assignment of land uses, development intensities, development regulation, architectural and landscape design guidelines, grading, infrastructure design and capacity standards, development phasing, and financing, which must be met to successfully implement the proposed development. The planning and review process established by the specific plan emphasizes the direct and comprehensive correlation between land use, transportation, public services, and infrastructure necessary to support the efficient development of the planning area. When implemented, these elements of the Specific Plan will form a cohesive and rational development that complements and enhances the unique characteristics of this area of the city. All subsequent development shall be consistent with the policies and regulations contained herein.

2.2 Specific Plan Objectives

Specific Plans provide a tool for comprehensive and creative planning strategies that respond to the unique conditions of the site while implementing the goals and policies of the General Plan. The following objectives have been crafted to guide development that is consistent with the City of San Marcos General Plan:

1. Integrate medium high-density housing opportunities and commercial uses close to major transit, education facilities, and trails to optimize land use with transit use and active modes of transportation, reduce reliance on automobiles, and potentially reduce greenhouse gas emissions.
2. To the extent possible given site constraints, maximize the opportunity to provide medium high-density housing for the city of San Marcos in the 20.1-.30.0 dwelling unit density range which is comparable to other medium high-density housing developments in the City of San Marcos.

3. Develop high-quality attainable housing which helps to meet the housing needs of the City of San Marcos and the region.
4. Develop commercial mixed-use gathering space oriented toward creative arts, culinary arts, and business.
5. Create a highly connected and efficient circulation system of pathways supported by pedestrian friendly architecture and landscaping to promote walkability and connect people to surrounding transit and places.
6. Design a vehicular circulation system that adequately accommodates traffic and minimizes traffic impacts in and around the planning area.
7. Establish development standards and design guidelines that ensure distinctive architecture, landscaping and recreational amenities that complements and enhances the existing surrounding neighborhood while providing a desirable living environment for residents within the planning area.
8. Institute a program for the long-term maintenance of the community to ensure all facilities are adequately maintained to City standards.
9. Finance or contribute a fair share of funding to all community services and infrastructure needed to support development proposed by the Specific Plan to promote economic stability.

2.3 Contents of the Specific Plan

Per California Government Code §65451, a specific plan shall contain the following written and graphic information:

- The Specific Plan shall include a statement of the relationship of the specific plan to the General Plan.
- The distribution, location, and extent of the uses of land, including open space, within the area covered by the plan.
- Standards and criteria by which development will proceed, and standards for the conservation, development, and utilization of natural resources, where applicable.
- The proposed distribution, location, and extent and intensity of major components of public and private transportation, sewage, water, drainage, solid waste disposal, energy, and other essential facilities proposed to be located within the area covered by the plan and needed to support the land uses described in the plan.
- A program of implementation measures including regulations, programs, public works projects, and financing measures necessary to conduct all of the above.

To comply with these requirements, the Marcos Specific Plan includes the following information:

- An introduction that includes the planning objectives for the Specific Plan which encompasses the goals of, and is consistent with, the General Plan regarding land use, circulation, resource management, community design, as well as public services and utilities (Chapter 1 and 2).
- Written descriptions and graphic illustrations of proposed land uses within the planning area, including clearly identified specific development patterns and design standards (Chapter 3).

- Written descriptions and graphic depictions of architectural, landscape, and open space designs (Chapter 4).
- Written descriptions and graphic illustrations of proposed vehicular, pedestrian circulation systems for the planning area and the connections to adjacent public and private circulation networks (Chapter 5).
- A grading, utility, and infrastructure plan that includes the location and extent of utility services necessary to serve the planning area (Chapter 6).
- A public services and facility plan that identifies the specific agencies and extent of public services and facilities necessary to serve the planning area (Chapter 7).
- A public facility financing and phasing plan that provides the general outline for the financing mechanisms proposed and the phasing of public improvements to the planning area (Chapter 8).
- An implementation and amendment program that provides the mechanisms available for project review procedures and regulations for specific development within the planning area and any future amendments to the Specific Plan (Chapter 9).

2.4 Specific Plan Authority

California Government Code §65450 in conjunction with the City of San Marcos Zoning Ordinance Chapter 20.535, authorizes the City's legislative body to prepare and adopt Specific Plans. The Specific Plan will become the vehicle for the systematic implementation of the City's General Plan with a defined area covered under the governing authority of the General Plan. This Specific Plan is a regulatory document intended to establish the development and performance standards for all future uses within the Specific Plan planning area. All subsequent development plans, tentative parcel and/or tract map(s) and/or similar entitlements for projects within the planning area shall be consistent with the regulations set forth in the Specific Plan and with other applicable City of San Marcos regulations. Where the Specific Plan is silent, the San Marcos Municipal Code shall govern. As such, this Specific Plan shall be adopted by Ordinance by the City of San Marcos City Council.

2.5 Planning Area Description

The Marcos Specific Plan area is generally located in central San Marcos within the Business/Industrial District. The Plan area was previously developed and currently stands vacant and disturbed area with Las Posas Creek generally splitting the parcels from northeast to southwest. The area surrounding the Specific Plan area is generally developed as commercial and light industrial uses.

2.5.1 Regional and local Setting

The Marcos Specific Plan planning area encompasses approximately 12.06 gross acres. As illustrated in **Figure 1, Regional Map** and **Figure 2, Vicinity Map** the planning area is situated in the west central portion of the City of San Marcos, in an area defined as the Business/Industrial District by the City's General Plan. Regionally, the planning area is located adjacent to State Route 78 and approximately 0.17 mile from the nearest State Route 78 entrance. The site is approximately 4.5 miles from Interstate 15. Palomar College Transit Center is located approximately 0.85 mile from the planning area. Palomar College Transit Center is the largest North County Transit District hub within the City of San Marcos and consists of a bus depot on the north side of West Mission Road, near the main entrance to Palomar College, and a train station on the south side of West Mission Road that serves the SPRINTER hybrid rail train. Rail service and bus transit service offered at the Transit Center provide local and regional connections to schools, employment, shopping, and entertainment options within the City of San

Marcos, as well as San Diego and Riverside Counties. The Inland Rail Trail, a proposed and partially constructed 21-mile Class I bikeway, runs along the south side of West Mission Road and connects the Cities of Oceanside, Vista, San Marcos and Escondido as well us areas of unincorporated San Diego County.

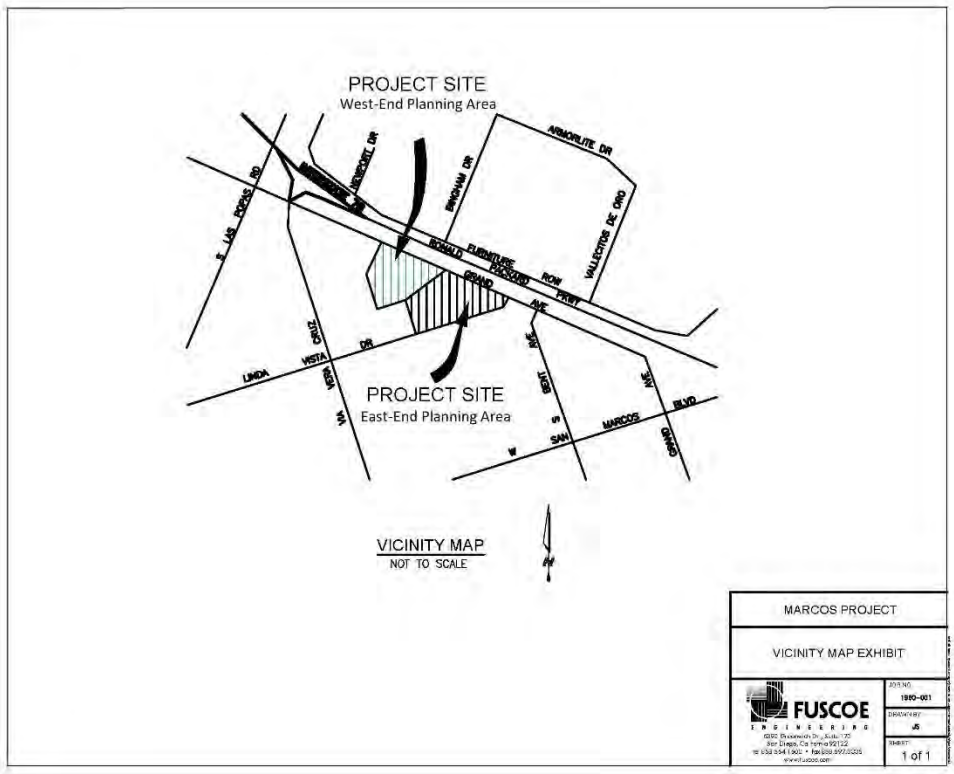
The site is surrounded by light industrial and commercial uses as it's relatively close to major commercial hubs in San Marcos. Various light industrial suites and stand-alone buildings are located along Linda Vista Drive southwest of the project. State Route 78 bounds the project to the north and east. The Grand Plaza shopping center is located a short walk to the west of the site and San Marcos Boulevard, another commercial thoroughfare in San Marcos, is approximately a third of a mile to the south of the site.

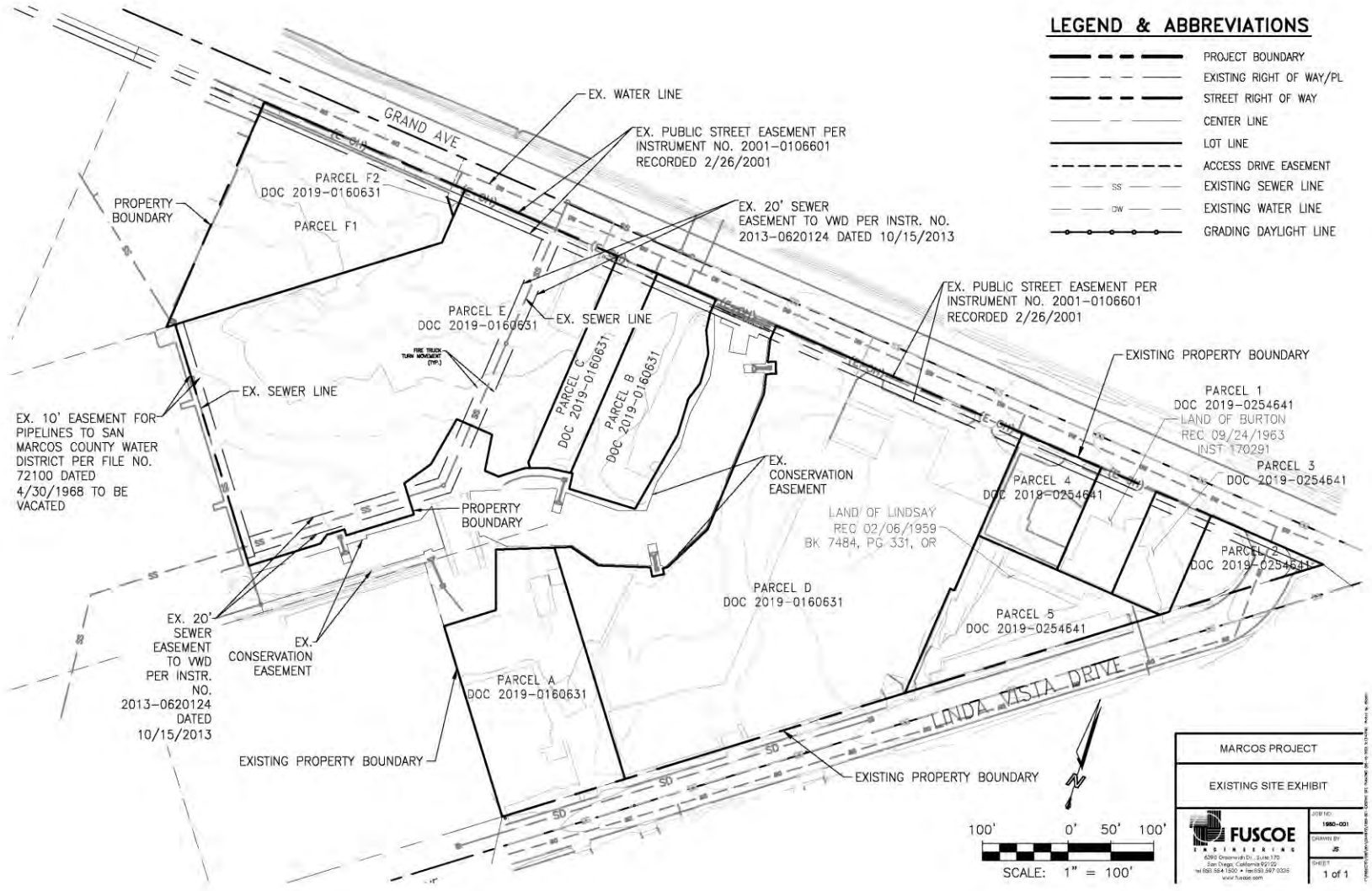
2.5.2 Site Characteristics

As Illustrated in **Figure 3, Existing Conditions** the planning area includes 12 parcels (Assessor Parcel Numbers 219-152-42, 219-152-44, 219-152-45, 219-152-51, 219-152-61, 219-152-70, 219-152-74 [Las Posas Creek parcel], 219-152-75, 219-152-76, 219-152-77, 219-152-78, 219-152-79) located at the intersection of Linda Vista Drive and Grand Avenue. The planning area was originally designated for commercial uses and was previously graded into two separate development pads which were occupied by various commercial and light industrial uses. The most recent land use included vehicle sales dealerships. Remnants of the vehicle dealerships remain on the site. Large, disturbed areas of existing concrete are located on the south and eastern portion of the site. Three existing billboards are located on the site. Two at the northeast corner of the site facing State Route 78 and one at the northwestern portion of the site. The northwest portion of the site is disturbed. Vegetation on the site is limited to grasses and a few small shrubs. A few trees are located along the periphery of the site, adjacent to Las Posas Creek. Las Posas Creek splits the site running approximately northeast to the southwest where it continues through the City of San Marcos. The creek is currently restored and under a 5-year monitoring program. The City of San Marcos restored the portion of the creek running through the Specific Plan Area.

Figure 1 Regional Map

Figure 2 Vicinity Map





Existing Conditions

Figure 3

Marcos Specific Plan

2.5.3 Regulatory Setting and Site History

Prior to the adoption of this Specific Plan, the planning area was designated as Commercial by the General Plan and the San Marcos Zoning Code. The site was first developed sometime between the late 1960's and late 1970's. From the late 1970's to around 2008 the site was continuously occupied and fully developed. Around 2008 the site slowly began the transition from occupied development to the current undeveloped and disturbed state of the property through vacation and demolition. Concurrent with this Specific Plan, a General Plan Amendment and Rezone application were processed to re-designate the 12 parcels that comprise the planning area to "Specific Plan Area", thereby allowing for the development of the mixed-use medium high-density multi-family dwelling units and commercial/retail/live-work community proposed herein.

This Specific Plan implements AB 32, Strategy 3 of the San Marcos Climate Action Plan (CAP), SB 743, numerous General Plan Goals, and various other state regulations related to reducing greenhouse gas emissions. In accordance with AB 32, the Global Warming Solution Act, the State adopted SB 97, which revised the California Environmental Quality Act (CEQA) Guidelines to require an analysis of greenhouse gas emissions as part of the CEQA process and established standards for the content and approval process of plans to reduce GHG. To comply with these requirements, the City of San Marcos adopted the Climate Action Plan (CAP) in 2013. A CAP is a long-range planning document that identified strategies to reduce greenhouse gas emissions. Since then, the State and CARB have established stricter targets for reducing greenhouse gas emissions. In response, the City of San Marcos update the CAP in 2020 to reflect these new requirements. The State also adopted SB 743 to change the way CEQA evaluates traffic. Vehicle Miles Traveled (VMT) became the new metric to promote development that is walkable, has access to transit or bicycle facilities, and/or implements other mitigation measures that discourage the use of single occupancy vehicles. To implement SB 743 and Strategy 3 of the San Marcos CAP, the City of San Marcos adopted the Transportation Impact Analysis Guidelines in 2020. These Guidelines identify High Quality Transit Areas, where VMT is considered low due to the availability of transit. The intent is to encourage high-density housing and other appropriate uses within these High-Quality Transit Areas that encourage transit use potentially reduce GHG. Although the planning area is slightly more than a half-mile walk to the City's High Quality Transit Area, it is a mixed-use development capable of facilitating non-motorized internal movement of residents and business. In addition, the site is within a short walk of major shopping and employment centers.

The reduced demand for retail coupled with an increased demand for housing in California and the City and State's Climate Change goals have changed the planning area into a prime site for medium high-density, commercial/retail development.

2.6 Relationship to the San Marcos General Plan

Specific Plans are tools which allow for the systematic implementation of the city's General Plan, effectively linking the implementing policies of the General Plan to individual development proposals in a defined area. As such, Specific Plans are required to provide a detailed statement of the relationship of the Specific Plan to the General Plan, including consistency between both plans and a comparison of goals, objectives, and policies. The following sections discuss the various elements of the Marcos Specific Plan and compare the stated intent of each element to the development proposed by this Specific Plan.

2.6.1 Specific Plan Land Use

Chapter 20.250 of the San Marcos Zoning Ordinance establishes specific standards to regulate development by authority from the General Plan, describes specific plans as tools for the systematic implementation of the San Marcos General Plan. As a planning tool, the specific plan derives its authority from state and local law to provide a more precise framework for the distribution of land uses, infrastructure, development standards, resource conservation, and implementation measures necessary to carry out the goals of the General Plan. The Marcos Specific Plan accounts for the unique physical characteristics, constraints, and resources of the Planning area to provide specific development guidelines for projects within the planning area. According to Government Code Section 65454, a specific plan must be consistent with the adopted General Plan. The Marcos Specific Plan's consistency with the General Plan is described in more detail below.

2.6.2 Land Use and Community Design Element

As stated in the introduction to the Land Use and Community Design Element, the goals and policies of the general plan are designed to:

- Ensure land use diversity and balanced development that encourage an efficient and responsible relationship between land use, transit, open space, and areas of environmental sensitivity.
- Establish and maintain community connections that better connect people to places.
- Promote economic strength and stability by maintaining a strong local economy and employment base.
- Create a synergy between the business community and academia to promote San Marcos as the educational hub for North County.
- Encourage integration of high-quality and sustainable development through the establishment of development standards and land use patterns that encourage long-term environmental sustainability.
- Promote community design that produces a distinctive built environment with memorable places.
- Direct and sustain growth through management to ensure adequate provision of urban services.

The Specific Plan achieves this as follows:

- Development proposed by the Specific Plan takes the previously developed and currently disturbed site which includes Las Posas Creek restoration and revitalizes the site with unique commercial uses and multi-family residential dwelling units. The proximity to nearby transit opportunities, and shopping and employment centers provide an opportunity to maximize the efficient use of the property by producing infill development near existing infrastructure and amenities promoting walkability and thereby reducing environmental impacts.
- Walkways, architecture, and landscaping are designed to maximize pedestrian scale and connectivity. The bridge link between the residential component and the commercial development provides pedestrian access for residents of the West-End Planning Area to commercial, live-work, makerspace, and retail uses and connectivity to Linda Vista Drive.

- The proposed residential uses include entry-level, for-sale, workforce housing that will support local businesses by providing financially attainable housing opportunities for employees. Proximity to transit will also benefit the economic strength of the entire City and Region by providing connection between this workforce housing and employment centers.
- New buildings proposed by this Specific Plan will be designed to current Building Codes and Standards that include the most stringent requirements in the United States for water, material, and energy efficiency; improved air quality; and more. The specific plan implements the strategies of the city's Climate Action Plan to reduce greenhouse gases by including elements that support transit use, active modes of transportation, and the use of electric vehicles. Proximity to transit and trails and the walkable design of the Marcos community have the potential to significantly reduce vehicle miles traveled (VMT) for improved air quality.
- The Specific Plan provides a detailed set of architectural and landscape design guidelines to ensure a distinctive built environment with unique and memorable amenities and spaces.
- Infrastructure and service plans provided within this specific plan have been developed to ensure that adequate provisions for urban services are available. Financing for both the construction and long-term maintenance of necessary infrastructure and services has also been identified in the final chapter of this Specific Plan.

The Specific Plan planning area is located at the easterly portion of the Business/Industrial District. The General Plan describes the Business/Industrial District as having a diverse range of uses from rural residential uses including single family homes and mobile home communities in the western half of the district, and commercial and light industrial uses in the east. Palomar Community College Transit Station is also located in this neighborhood.

The General Plan identifies Focus Areas where changes are most likely to occur. Although the Specific Plan planning area is not within one of these Focus Areas, it is near to the Urban Core Focus Area –San Marcos Boulevard Focus Area (FA3). The vision for FA3 is for the city to create a commercial mixed-use "downtown" area giving the city residents a sense of place while also providing a destination area for people to enjoy. The area is mostly comprised of commercial and retail uses. The proximity of this Specific Plan area to the "downtown" core of San Marcos allows the proposed uses to compliment the nearby theme the city envisions for San Marcos Boulevard. The Marcos Specific Plan will achieve this complementary use of the Focus Area by providing a mix of housing and commercial uses thereby enhancing and extending the intent of the focus area to encompass this Specific Plan area.

2.6.3 Mobility Element

As stated in the introduction, the purpose of the Mobility Element is to strategically enhance and manage the mobility network as a critical component to enhance the City's vibrant commercial and industrial areas, its thriving residential neighborhoods, its diverse employment uses, and its unique student population. The Mobility Element focuses on maximizing the quality, comfort, safety, walkability, livability, and bikeability of the City's streets, sidewalks, trails, and multi-modal transportation system while incorporating sustainability elements into the program.

The Mobility Element identifies Linda Vista Drive and Grand Avenue as arterials with Class II or III Bicycle Facilities. Complete Street improvements will be constructed along the project frontage on Linda Vista Drive and Grand Avenue, which include bicycle lanes and sidewalks separated from vehicular lanes as well as planting areas. The Specific Plan further implements the mobility element as follows:

- Minimizing walls on the commercial planning area where possible and requiring multiple pedestrian connections to maximize the walkability of the community.
- Includes design guidelines requiring pedestrian friendly architecture and landscaping that engage the sidewalk along public roadways and promoting design concepts which promote internal connectivity.
- Installing EV charging stations and bicycle parking to support the use of electric vehicles and active modes of transportation.
- Promote alternative transportation options including ride sharing, car and vanpool, and public transportation opportunities.

2.6.4 Conservation and Open Space Element

As stated by the General Plan, the purpose of the Conservation and Open Space Element is to identify natural, cultural, historic, and open space resources. Las Posas Creek, which bisects the Specific Plan area includes resources which require preservation and conservation. The creek which runs northeast to southwest through the Planning area and is currently under a five-year monitoring restoration program with the City of San Marcos and regulatory wildlife agencies and shall remain preserved in perpetuity via an easement granted to the City. By preserving the creek and confining development to the previously developed and disturbed areas of the site, the Marcos Specific Plan area can alleviate development pressure on other sites that include other valuable resources.

The Conservation and Open Space Element also seeks to address air pollution, climate change, energy independence, water supply and water quality. Development proposed by the specific plan will be designed to current Building Codes and Standards that include the most stringent requirements in the United States for water, material, and energy efficiency; improved air quality; stormwater treatment; and more. The Specific Plan implements the strategies of the City's Climate Action Plan to reduce greenhouse gases by including elements that support transit use, active modes or transposition, and the use of electric vehicles. Proximity to transit and trails and the walkable design of the community have the potential to significantly reduce vehicle miles traveled (VMT) for improved air quality.

2.6.5 Parks, Recreation, and Community Health Element

According to the General Plan, the purpose of the Parks, Recreation, and Community Health Element is to maintain and increase access to parks, trails, recreational facilities, and community service programs. In addition, it aims to provide a healthy and safe community by taking into consideration community health and family enrichment needs of community members, including older adults, children, persons with special needs, and residents of all ages.

The Specific Plan includes an open space plan and an amenity package designed to address the specific recreational needs of the anticipated residential community demographics. Standards for both private open space and common recreational open space are provided to ensure an adequate amount of space is provided to support a high quality of life. Selected amenities cater to an urban lifestyle and consider not only families, but young singles and couples who are likely to be purchasing their first home within this community. Landscaped open space designs have been incorporated into the commercial portion of the Specific Plan area to enhance the visiting experience. Consideration was given to landscape and architecture design to promote pedestrian comfort, bicycle parking, and enhancement of the shopping and artistic experience for the commercial planning area. New development is also required to pay park fees to fund its fair share of public park and reactional facilities within the City.

2.6.6 Safety Element

The Safety Element is designed to ensure public health, safety, and welfare of residents and their property by identifying and planning for anticipated natural and human-caused safety issues including geologic and seismic hazards, flood, fire and more.

Hazards associated with the development proposed by the Specific Plan were evaluated as part of the CEQA process and no significant hazards were identified. The commercial area, homes, and landscaping will be designed, built, and installed to current safety codes and standards. Additionally, the specific plan includes development and design standards that incorporate Crime Prevention Through Environmental Design (CPTED) strategies. CPTED strategies consider design standards that deter criminal activity and build a sense of community between neighbors so that visitors and residents are encouraged to take ownership of their neighborhood, watch for and discourage crime, and protect one another.

2.6.7 Noise

The Noise Element Identifies potential problems and noise sources threatening community safety and comfort with the intent of limiting the community's exposure to excessive noise levels. Noise impacts to new residents as well as noise impacts generated by the development of the Specific Plan were evaluated as part of the CEQA process. Project features were proposed such as walls and building materials within current State and City of San Marcos building code standards which contribute to reducing potential noise impacts to a less than significant level. Additionally, new development proposed by the Specific Plan is subject to the City's noise standards.

The future development will separate, reduce, or mitigate noise by utilizing current construction codes and standards which provides additional measures preventing noise from entering dwelling units or commercial spaces. If needed, construction noise will be mitigated through proper maintenance of construction vehicles equipped with noise reduction intakes, exhaust mufflers, and engine shrouds, in accordance with the manufacturers' recommendations. When possible, electrical power shall be used to run air compressors and power tools. Equipment staging areas should be located as far as feasible from neighboring occupied properties. Finally, noise attenuation techniques shall be employed, as needed, to ensure noise levels remain at or below 65 dBA Leq at the Specific Plan boundary or as identified by noise analysis conducted for any proposed development within the Specific Plan Area. When combined, each design feature and construction mitigation measure will conform the project to the City's General Plan Noise Element requirements. These construction and mitigation measures are consistent with the goals and policies outlined in the City of San Marcos General Plan Noise Element.

2.6.8 Housing

As required by State law, the City of San Marcos Housing Element identifies the housing needs of both the existing and projected population and ensures that the land use plan provides adequate capacity to provide safe, suitable, and affordable housing for City residents. The Housing Element is coordinated with each element to ensure comprehensive policies and goals throughout the General Plan. These policies and goals form a framework that the Marcos Specific Plan will follow to systematically implement a comprehensive housing development plan that is consistent with these goals and policies. The residential uses proposed by Specific Plan will encompass approximately 5.03 acres within the West-End Planning Area and approximately 8,182 sq. ft. of live-work space (7 units) in the East-End Planning Area. The East-End Planning Area live-work units are intended to be long-term lease apartments. The West-End will include a maximum of 102 multi-family residential dwelling units for an approximate total density of 20.3 dwelling units per-acre (du/acre). This residential density equates to the Medium High Density Residential (MHDR) General Plan land use classification, which allows for 20.1-30.0 du/ac. Homes proposed by the Marcos Specific Plan are designed as workforce housing with a range of unit sizes and

price points, creating opportunities for home ownership that will be attractive to varying income levels. Therefore, the Marcos Specific Plan is consistent with the goals provided within the Housing Element of the General Plan.

2.7 CEQA Compliance

A Mitigated Negative Declaration (MND) was prepared for the Marcos Specific Plan in accordance with the California Environmental Quality Act (CEQA) and serves as a comprehensive environmental document for subsequent development within the planning area. The MND examines the relationship the Specific Plan implementation may have on potential environmental impacts to the planning area and makes determinations for mitigation measures to reduce impacts to below levels of significance. The MND was certified concurrently with the Specific Plan by the decision-making body.

A Mitigation Monitoring and Reporting Program (MMRP), adopted in accordance with Public Resources Code Section 21081.6, ensures the proper implementation of the mitigation measures outlined within the MND. All future development within the planning area is required to adopt and implement the mitigation measures specified in the MMRP, if applicable.

Subsequent development proposals within the Marcos Specific Plan planning area, if found by the City of San Marcos to be consistent with this Plan and the impact analysis and mitigation measures found in the certified MND, may be approved, and implemented without further public environmental review according to California Government Code Section 65457. Prior to amendment to this Specific Plan, the City of San Marcos shall determine if further environmental review and analysis is required to satisfy CEQA requirements.

2.8 Projects Requiring Consistency with the Specific Plan

Discretionary actions and projects proposed within the Specific Plan area are required to demonstrate consistency with this Specific Plan. The actions processed under this Specific Plan which require consistency prior to approval, and/or adoption by the San Marcos City Council are the General Plan Amendment (GPA) and Rezone (R) of the project site from Commercial (C) to Specific Plan Area (SPA), a Site Development Plan (SDP), a Multi-family Site Development Plan (MFSDP), a Conditional Use Permit (CUP), a Tentative Subdivision Map (TSM) and a Tentative Parcel Map (TPM). Subsequent projects proposed within the Specific Plan area must demonstrate compliance with the Specific Plan's policies, rules, regulations, and design standards. More discussion on what is considered a project under this Plan can be found in the Implementation Chapter.

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Chapter 3: Land Use & Development Standards

3 Land Use and Development Standards

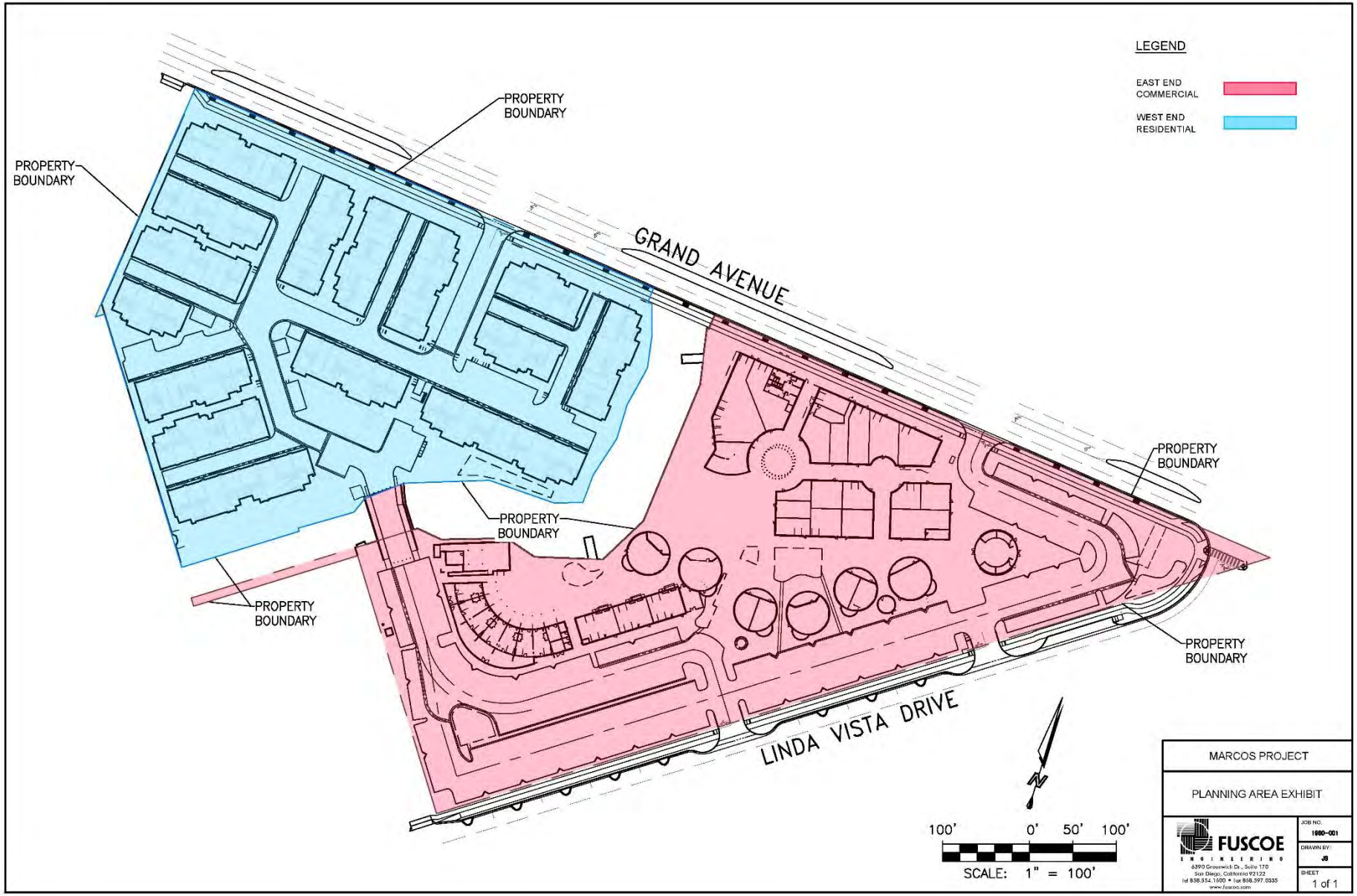
This chapter regulates the distribution and intensity of land uses and establishes development standards that will govern all future development within the Marcos Specific Plan. These standards and guidelines provide a foundation for the community's character and sense of place that willultimately result in an attractive and functional community.

3.1 Land Use and Development Standards Objectives

Marcos Specific Plan strives to create an appealing mixed-use community founded on solid design principles. The Plan area's relatively flat topography offers an ideal horizontal area for development while the Las Posas Creek which bisects the site creates a natural dividing line between residential and commercial uses and offers an opportunity to create a unique development that incorporates natural features into the built environment. The following design standards will provide the parameters for all development within the Specific Plan area and will drive the overall site design.

The Plan area will address community planning goals and will incorporate core residential, commercial, and recreational concepts as well as conservation concepts into the development design. Through careful engineering the site will present a horizontal mixed-use design conscious of recreational open space and orderly circulation design thereby reducing the projects' impacts while maximizing creek area conservation and urban development opportunities. These planning goals include:

- Create a sustainable development through careful balancing of land uses, connections to, and proximity to transportation options, and recreational opportunities.
- Create a land use plan that protects Las Posas Creek while using the creek as a natural dividing line between Planning Areas.
- Design a series of roadways that allow for safe bicycle, pedestrian, and vehicular circulation and which link the development to the larger community.
- Create a series of built features, using architecture design and landscape design, that provide a distinct built environment which is pleasing to residents and visitors.
- Maintain the feel of the community through use of building materials that complement and enhance the surrounding environment and neighborhoods.
- Create a distinct recreational environment though the careful placement of open space features that blend with natural landforms.



Conceptual Planning Areas

Figure 4

Marcos Specific Plan

3.2 Distribution of land Uses

The approximate 12.06-acre Specific Plan area is comprised of two primary land uses: Commercial/Retail land use (East-End Planning Area) and Multi-Family Residential land use (West-End Planning Area). The East-End Planning Area is made up of commercial, retail, restaurant, entertainment, and live-work uses and is approximately 6.05-acres with a total Floor Area Ratio of approximately 0.1. The West-End Planning Area is comprised of 102 units on approximately 5.03-acres which equates to approximately 20.3 dwelling units per acre (du/ac) which is a similar residential density to the City of San Marcos' Medium High Density Residential (MHDR) 20.1-30.0 du/ac General Plan land use classification. Other elements of the West-End Planning Area include landscaping area, biofiltration area, and recreational open space areas. Land use permit requirements, regulations, and development standards of this section shall be applicable to all existing and new uses, structures, modifications, additions, and activities within the Specific Plan Area.

Table 1 Distribution of Land Uses

Land Use	Total Gross Area (acres)	Target Density (DU/acre) [1]	Proposed DU's	Project Density/FAR[1]
East-End Planning Area	**6.05**	**n/a**	**7**	**0.1**
Commercial/Retail/Live-work Bldg. Area	1.12			
Driveways/Alleys/Parking/loading	2.18			
Landscaping/Open Space	2.75			
West-End Planning Area	**5.03**	**20.1-30.0**	**102**	**20.3**
Residential Bldg. Area	1.74			
Driveways/Alleys/Parking/loading	1.25			
Landscaping/Open Space	2.05			
Las Posas Creek	0.98			
Site Total[2]	**12.06**	**20.1-30.0 du/ac**	**109**	**20.3 du/ac. 0.1 FAR**

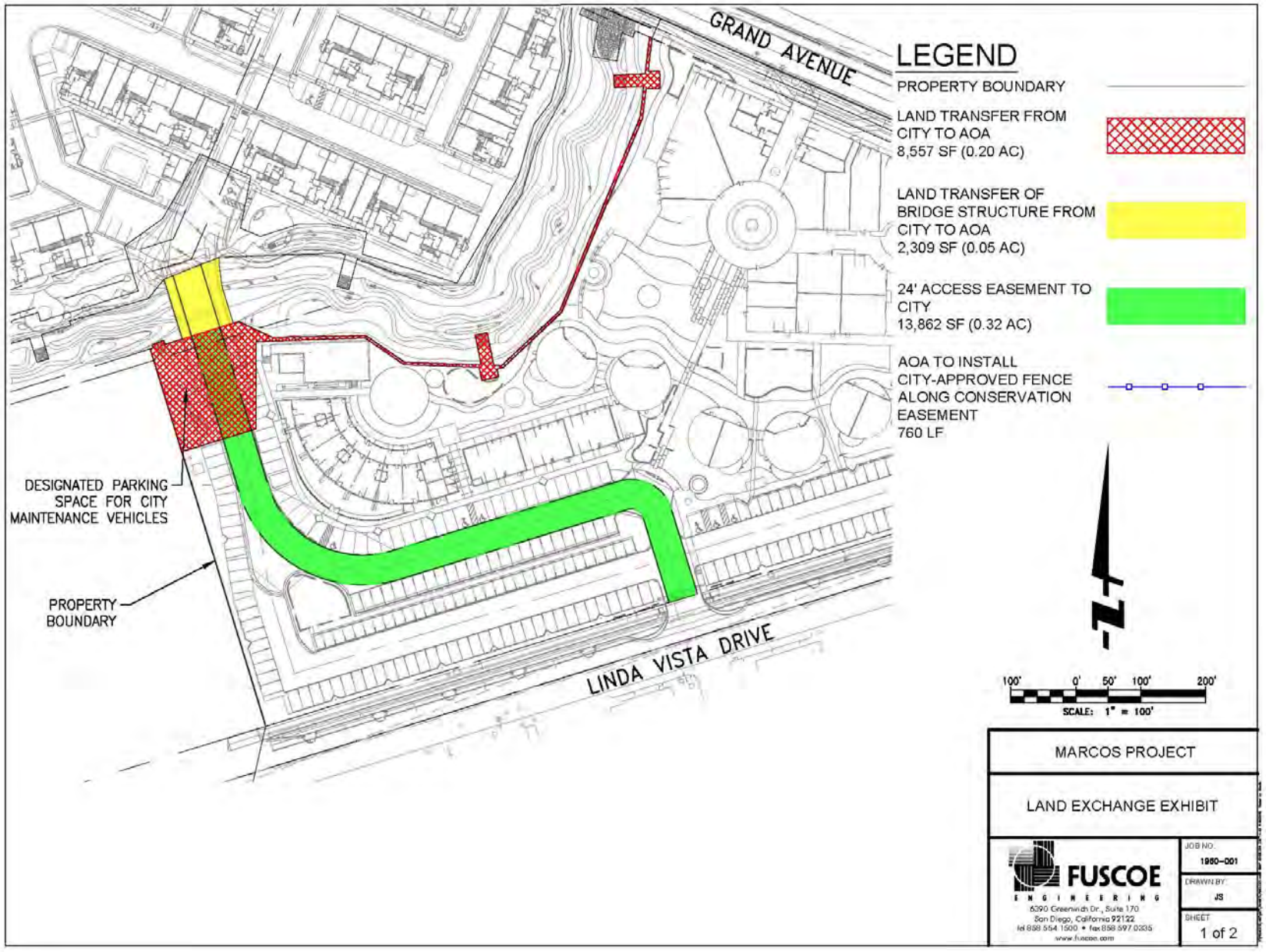
[1]Project Density and FAR calculated on the gross residential and commercial planning areas, respectively.

*Acreage totals may differ slightly due to rounding.

*The live-work unit density is considered in the East-End Planning Area FAR.

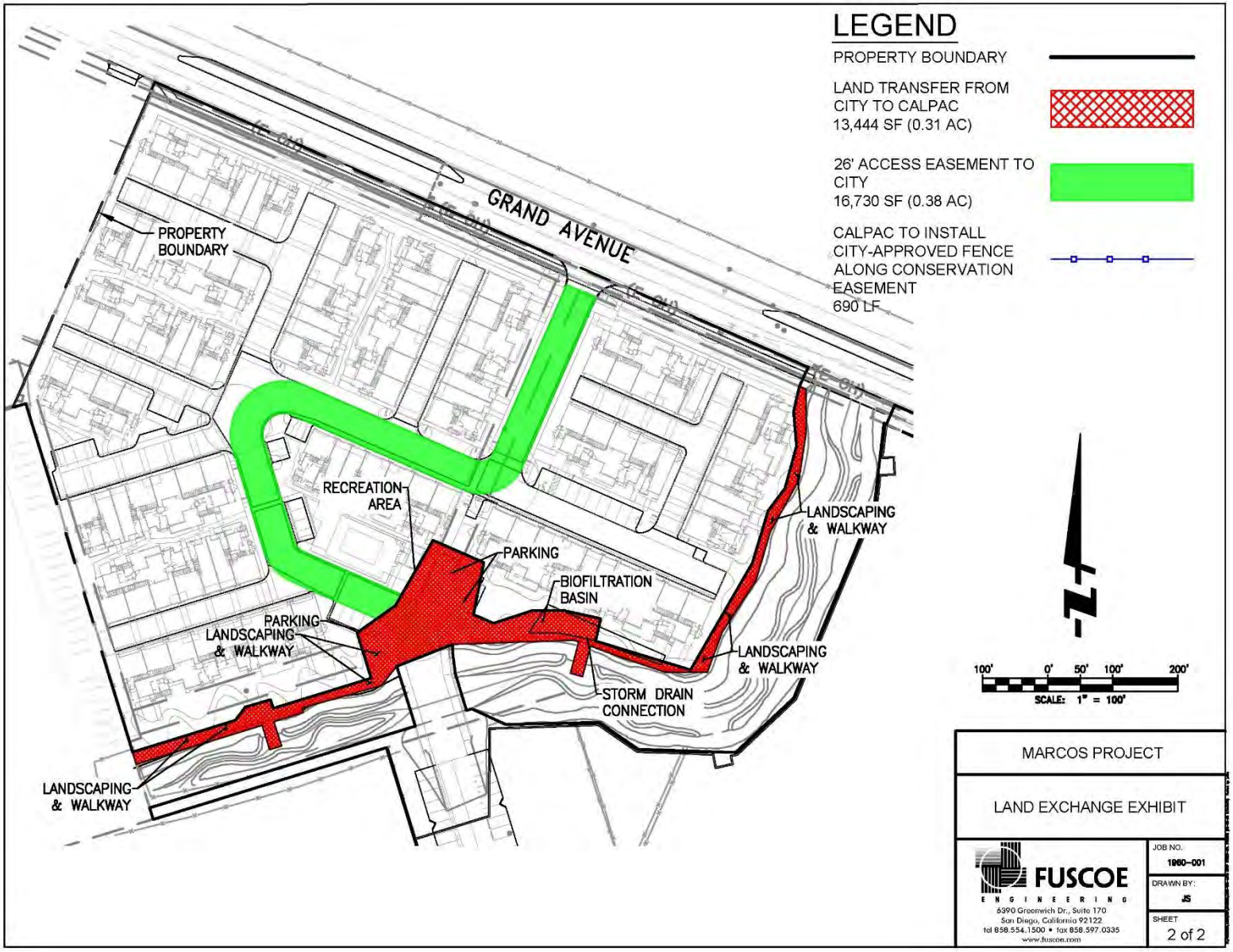
3.3 City-Owned Land Transfer

As part of the approval of this Specific Plan approximately 0.56-acre of city-owned property from parcel 219-152-74 was transferred to the property owners within the Marcos Specific Plan area. Parcel 219-152-74 includes the segment of Las Posas Creek within the boundary of the Marcos Specific Plan Area. The lot line adjustment of parcel 219-152-74 includes areas adjacent to the Las Posas Creek, excludes the riparian limits of the creek and conservation easement, and is considered usable area for development of buildings, circulation elements, stormwater facilities, landscaping and open space. The area adjacent to the creek shall be fenced to prevent public intrusion into the riparian area. The East-End Planning area acquired approximatelyo.20-acre of city-owned property as well as 0.05-acre bridge spanning Las Posas Creek. An easement over the bridge shall be granted to the West-End Planning Area for pedestrian circulation and emergency vehicle access. A 0.32-acre easement will be granted to the City of San Marcos via the East-End Planning Area for maintenance access of Las Posas Creek including access over the bridge. The West-End Planning Area acquired approximately 0.31-acre of land adjacent to Las Posas Creek. A 0.38-acre easement is granted to the city for creek maintenance access within the West-End Planning Area. The City of San Marcos will retain control of the remaining 0.98-acre parcel containing Las Posas Creek.



Eastend Planning Area Land Swap Figure 5

Marcos Specific Plan



Westend Planning Area Land Swap — Figure 6

Marcos Specific Plan

3.4 Planning Areas

Three Planning areas are proposed for the Marcos Specific Plan: The East-End Planning area which encompasses the portion of the Specific Plan Area east of Las Posas Creek and the West-End Planning Area which encompasses the portion of the Specific Plan Area west of Las Posas Creek, and the City-owned Las Posas Creek Planning Area, which encompasses the Las Posas Creek including the creek setback buffer area excepting the bridge area spanning the creek. The East-End and West-End Planning Areas share a bridge connection at the southwestern portion of the planning area which spans Las Posas Creek.

East-End Planning Area – The 6.05-acre East-End Planning area is comprised of all land east of Las Posas Creek. The East-End Planning Area will be comprised of modern-day facilities supporting arts, crafts, and entertainment-minded commercial, live-work, makerspace, and retail uses centered around outdoor communal gathering areas.

West-End Planning Area – The 5.03-acre West-End Planning Area is comprised of all parcels west of Las Posas Creek. The West-End Planning Area will include multi-family residential land use and its associated open space and residential common area recreational open spaces.

Las Posas Creek Planning Area – The 0.98 creek is comprised of the total area of the creek including the habitat setback area within the Marcos Specific Plan Area. The bridge spanning the creek is not considered in the Las Posas Creek Planning Area. The only land use allowed within Las Posas Creek Planning Area shall be conservation of open space. Only existing drainage structures and systems shall be allowed within this Planning Area. Fencing, as identified in **Section 4.3** shall be allowed on the perimeter of the conservation easement to prevent intrusion into the conservation easement.

3.5 Allowable Land Uses

Table 2, Allowable Land Uses identifies the permits required to establish uses allowed within the planning areas, consistent with this Specific Plan. Allowed uses shall be for the express purpose of establishing and protecting the residential living environment, commercial/retail operations, and Las Posas Creek envisioned by this Specific Plan. Residential, commercial/retail and Las Posas Creek open space uses are intended to be the primary permitted uses. All other uses are intended to support residential, commercial/retail, or Las Posas Creek open space uses. When indicated, please also refer to the sections identified under the "Additional Use Regulations" column for additional operational standards and regulations applicable to the use. When a use is not specifically listed, that use in not permitted; However, in accordance with Section 9.1.1 of Chapter 9 of this document, the Planning Director shall have the authority to determine whether the proposed use shall be permitted or conditionally permitted based on a finding of substantial conformance if the proposed use is similar to a use already listed in **Table 2**.

Table 2 Allowable Land Uses

Use		Additional Use Regulations/Definitions
East-End Planning Area Uses		
Commercial Artist/Production Studio Uses		
Commercial Artist/Production Studio, General	P	Any performing arts, graphic arts, craft arts or similar studio.
Music Venue, Indoor.	DP	Occupancy of indoor music venues shall be set at 1 person per 15 SF of usable space.
Tattoo Artist	P	Subject to SMMC Section 20.400.200 and Chapter 8.95 Only 1 tattoo shop shall be allowed.
Industrial/Maker Space Uses		
Alcohol Production, Brewery, Distillery, Winery	P	With or without a tasting room.
Catering	P	
Commercial Bakery	P	
Culinary Maker Space, General	P	Any use involving the manufacturing of food or drink products. Includes all variety of food production.
Craftworking Maker Space, General	P	Any arts and crafts maker space use.
Fermentation Farm	P	Manufacturing of probiotics and/or yeasts.
Woodworking/Metalworking	P	Craft woodworking and metal working makerspace.
Recreation, Education & Public Assembly Uses		
Visual & Performing Arts Schools/Classes, General	P	Any performing, visual, or craft art program.
College, Non-Traditional Campus	DP	Any alternative educational program. Not to exceed 50% of the site's total leasable area.
College, Traditional Campus	DP	Not to exceed 50% of the site's total leasable area.
Commercial Entertainment	P	May be a primary business or an accessory use. Includes special events and performances. Refer to Section 3.6.1.4. for regulations.
Commercial Recreation	P	
Museum, Library, or Gallery	P	
School	DP	Not to exceed 50% of the site's total leasable area.

General Retail Uses		
Retail, General	P	
Theater, Single Screen	DP	
Office, Professional, & Business Support Uses		
Office, General	P	
Food & Beverage Uses		
Bar	P	
Brewery Tasting Room	P	With or without on-site production.
Distillery Tasting Room	P	With or without on-site production.
Restaurant	P	
Wine Bar	P	With or without on-site production.
Residential Uses		
Live-Work Dwelling Units	P	A maximum of seven (7) live-work units.
Wellness Uses		
Day Spa	P	Subject to SMMC Section 20.400.250. Massage allowed as an accessory use only.
Wellness Studio, General	P	Includes fitness, yoga, and similar studios.
Nutritionist	P	Businesses providing nutritional advice and services.
Wellness Center	P	Any use focused on providing a good or service oriented toward health and beauty. Massage allowed as an accessory use only.
Accessory/Temporary Uses		
Art Installations	A, T	Includes two (2) billboards to remain on property. Refer Section 3.6.1.3 for regulations. Temporary art installations allowed.
Performing Arts Space, Small	A	
Instructional Classes/School	A	
Event Space/Conference Hall	T	
Gallery	A, T	
Kiosks	A	In locations shown on approved Site Development Plan
Museum	T	
Outdoor seating	A	Accessory to an approved/permitted use.
West-End Planning Area Land Uses		
Apartments	MFSDP	20.1-30.0 du/acre
Condominiums	MFSDP	20.1-30.0 du/acre
Guest Parking	A	Refer to Section 3.6.2.3
Recreational Amenities	A	Refer to Section 3.6.2.3
Las Posas Creek Planning Area Uses		
Conservation Open Space	P	City of San Marcos Las Posas Creek parcel.
Signage	P	Refer to SMMC; Per Consultations with City, State, and Federal Wildlife Agencies.
Fencing	P	Per Consultations with City, State, and Federal Wildlife Agencies.
Drainage Structures	P	
Specific Plan Area Accessory Uses		
Alternative Energy Systems	A	
Electric Vehicle Charging Facilities	A	
Wireless Communications Facility	A	Subject to current city permitting requirements. East-End Planning Area only.
Signs	A	Subject to approved Sign Program and/or SMMC Chapter 20.320.

Symbol:
P = Permitted use subject to compliance with all applicable provisions of the Marcos Specific Plan.
A = Accessory Use
T = Temporary Use = Any use of space for art installations or temporary accessory uses not to exceed 180 days unless authorized by the Planning Director.
DP= Directors Permit
CUP = Conditional Use Permit
MFSDP = Multi-Family Site Development Plan
SMMC = San Marcos Municipal Code. Municipal Code reference numbers subject to change by the City of San Marcos.

3.6 Development Standards

The development standards for all projects proposed within the Specific Plan area are presented in Table 3, Development Standards. These standards include building setbacks, height limitations, open space requirements, and more. **Figure 7** provides a visual representation of the Conceptual Site Plan including planning areas which may be included in the Specific Plan. Development standards apply to the residential and commercial/retail planning areas. The Las Posas Creek open space planning area includes separate standards intended to protect and preserve habitats and species from development encroachment or human and pet encroachment.

Table 3 Development Standards

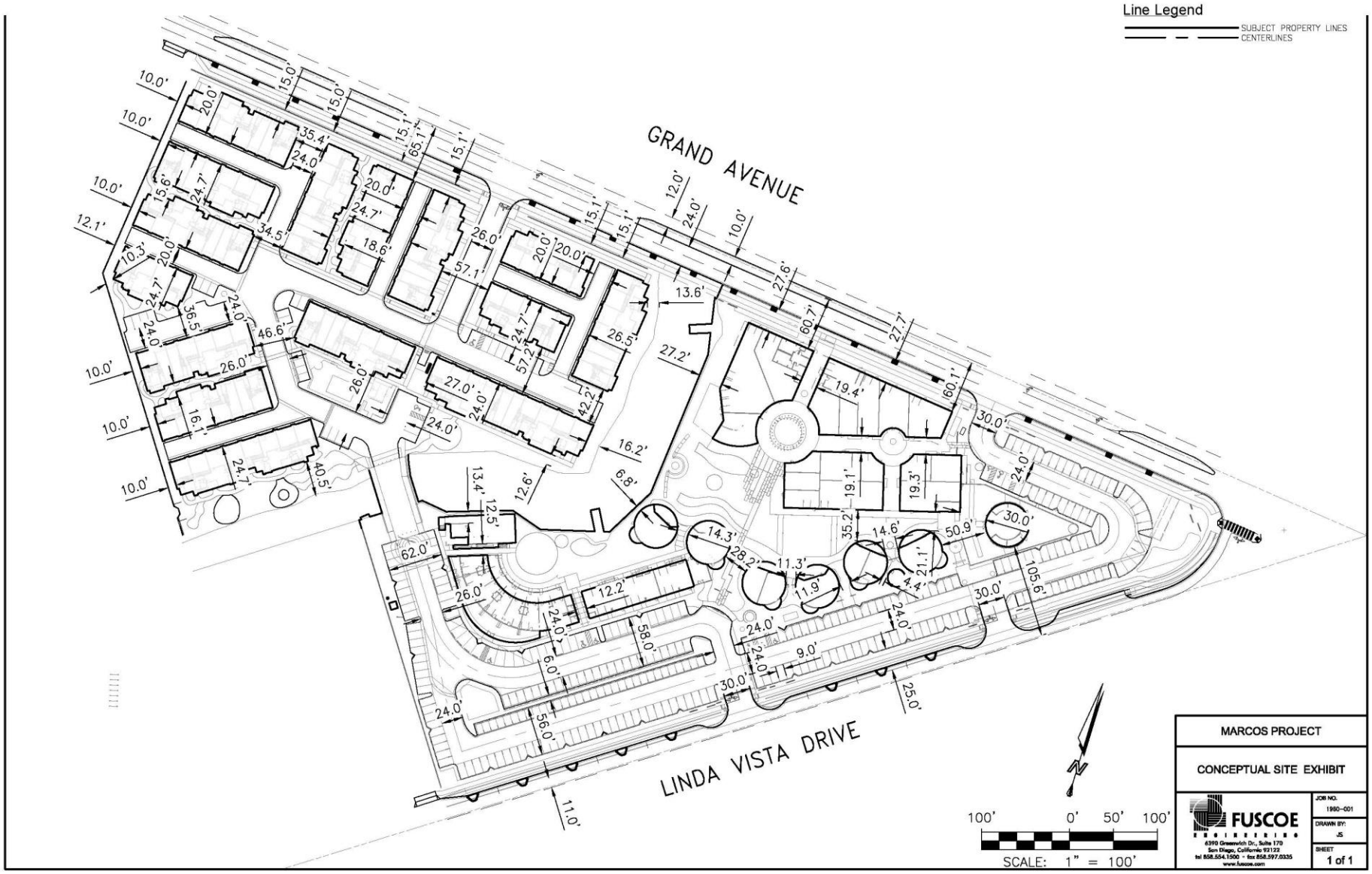
East-End Planning Area Standards		
Use	**Standards**	**Additional Standards/Notes**
Lot Standards		
Maximum FAR	0.7	
Lot Coverage	50%	
Maximum Building Height	60′	
Maximum Architectural Projections Heights	65′	Includes architectural wood frame feature
Maximum Live-Work Units	7	
Development Setbacks		
Grand Avenue	52′ min.	Measured from Grand Ave. centerline to buildings.
Linda Vista Drive	10′ min.	Measured from PL or Ultimate Right-of-Way to buildings.
Interior PL, Parking	5′ min.	
Building Separation	10′ min.	
Parking Standards		
Commercial Parking Total	278 min.	Refer to Shared Parking Analysis by C&R Associates, dated 12/4/2022.
Standard Parking Stall	9′ x 18′ min. or 9′ 16′ + 2′ overhang	
Compact Stall	8.5′ x 16′	20% of site parking total. Any overhang shall not extend into any required walkways or conflict with taller landscaping such as trees.
ADA Stall	9′ x 18′ + 5′ loading zone for standard ADA space & 12′ x 18′ + 5′ loading zone for van accessible space	

Bicycle	1 space/5,000 SF gross floor area	Refer to Section 3.6.1.9.D.
Open Space/Landscaping		
Landscaping	10% of net developable site	
Live-Work Private Open Space	Provide min. 140 sf of deck area per unit. Provide a minimum of 2,500 SF of common area open space	
Other Standards		
Walls and Fencing	7′ max	Refer to Section 4.1.7.3. Refer to Las Posas Creek Planning Area standards for creek fencing standard.
Signage		Refer to Section 4.1.7.4 & Chapter 20.320 of the SMMC

West-End Planning Area Standards		
Use	Standards	Additional Standards/Notes
Lot Standards		
Density	20.1 - 30.0 du/ac	
Minimum Lot Size	10,000 sq. ft.	
Maximum Lot Coverage	n/a	No standard.
Maximum Building Height	45 feet or 3 stories	Whichever is less, as measured from the adjacent grade to the top of the tallest roof or architectural feature.
Development Setbacks		
Grand Ave.	52′ min.	Measured from Grand Ave. centerline to buildings.
Property Line	10′ min.	
Interior PL, Parking	8′	
Interior Parking to Building	5′	
Private Driveway	3′	Measured from back of walk or from face of curb when no sidewalk is present.
Private Alley	3 feet or 18 feet plus	Measured from face of garage door.
Building Separation	15 feet minimum	Consistent with adopted Building Code on building design.
Parking Standards		
Garage	2 spaces per unit maximum	Refer to Section 3.6.2.2.
Guest	0.33 per unit maximum	Refer to Section 3.6.2.2.
Standard Parking Stall	9′ x 18′ min. or 9′ 16′ + 2′ overhang	
Compact Stall	8.5′ x 16′	Maximum 20% of total spaces may be compact spaces.
ADA Stall	9′ x 18′ + 5′ loading zone for standard ADA space & 12′ x 18′ + 5′ loading zone for van accessible space	
Bicycle	Individual unit garage space shall act as bicycle parking.	Refer to Section 3.6.2.2.

Open Space Standards		
Private Open Space	Provide units with ground floor living a minimum of 90 sf of patio and/or balcony space. Provide 50 sf balcony for 2nd story units and above	Refer to Section 3.6.2.3.
Common Open Space	Area equal to 30% of livable ground floor area of all units	Refer to Section 3.6.2.3.
Walls and Fencing	7' maximum	Refer to Section 3.6.2.3. Taller walls may be allowed for sound attenuation as approved by the Planning Director. Refer to Las Posas Creek Planning Area standards for creek fencing standard.

Las Posas Creek Planning Area Standards		
Use	Standards	Additional Standards/Notes.
Lot Standards		
Density	n/a	No development allowed.
Minimum Lot Size	0.98-acres	
Maximum Lot Coverage	n/a	No development allowed.
Setbacks	n/a	The modified parcel line for both the East-End & West-end Planning Area's aligns with the conservation easement. No development shall occur within the conservation easement area.
Fencing	4' maximum from grade	Split-rail wood fence with 2" x 2" wire mesh, or a combination thereof consistent with Negative Declaration 09-789.
Signage		Signage consistent with Negative Declaration 09-789



Conceptual Marcos Site Plan

Figure 7

Marcos Specific Plan

3.6.1 East-End Planning Area Development Standards

The East-End Planning Area encompasses a total of 6.05-acres and is comprised of commercial/retail, entertainment, and live-work uses along with associated landscaping and commercial recreational open space areas east of Las Posas Creek.

3.6.1.1 East-End Land Uses Governed by Conditional Use Permit

The East-End Planning Area includes a variety of commercial, retail, live-work, and makerspace uses which will be under an umbrella Conditional Use Permit (CUP). The following descriptions may be used as a guide to allow proposed uses within the East-End Planning Area. Due to the innovative nature of the Specific Plan area, there may be land uses that are compatible with the East-End Planning Area concept but not identified as an allowed land use in the **Table 2** and the descriptions below; therefore, any land use compatible with the allowed uses should be considered at the discretion of the Planning Division Manager. Land uses should generally be allowed to operate from any location within the East-End Planning Area unless a specific location for a use is noted or restricted per the land use guidelines herein.

A. **Commercial Artist/Production Studio Uses –** These spaces include businesses which focus on the creation and construction of visual arts as well as industrial or applied arts. Typical uses involve physical creation of artistic objects or performance arts studios. Businesses may involve the production of performance art or the creation of physical objects in fashion, photography, sculpture, woodworking, and general craftsman operations.

B. **Industrial/Maker Space Uses –** These uses typically focus on crafting spaces that allow individuals or groups/companies to manufacture and distribute craft products such as furniture, metal products, home goods, foods, beverages, and other craft-style products. These uses may utilize shared tools and equipment.

C. **Education Uses –** East-End Planning Area education uses generally will be utilized as accessory to an allowed use as instructional classes or similar. These uses should be focused on instruction and education in science, technology, audio arts, visual arts, performance arts, crafts, and culinary arts.

D. **General Retail –** These uses are focused on the general sale of retail items from storefronts and may include a variety of sales and services.

E. **Office Uses –** Office uses included in the East-End Planning Area allow for professional design consultants such as architecture, engineering and planning firms, design studios, fashion studios, graphic design studios, accounting offices, and other professional office uses.

F. **Food and Beverage Uses –** Typical food and beverage uses will operate throughout the East-End Planning Area and will include breweries, sit down restaurants, cafés, coffee shops, distilleries, wine tasting rooms, and other restaurant and food and beverage uses.

G. **Wellness Uses** – These uses typically provide health and wellness-oriented services related to healthy living. Uses may include spa's, salons, nutrition-focused businesses, yoga studios, pilates studios, meditation studios, and other mind and body related businesses.

H. **Accessory Uses** – Accessory uses may be related to any of the above uses such as patio dining for restaurant uses, outdoor yoga practice or similar activities, art showings and temporary

museums for maker and retail uses, billboards, and art installations (Section 3.6.1.3.), kiosks (Section 3.6.1.6.), as well as events covered in Section3.6.1.4.

3.6.1.2 ABC Permits

The East-End Planning Area allows for uses which may serve alcohol as well as allow for a shared premise to serve alcohol. Therefore, permits from the California Department of Alcohol Beverage Control (ABC) may be issued to businesses within the East-End Planning Area. The following standards apply to alcohol service and consumption within the East-End Planning Area:

1. The entire East-End Planning Area shall be treated as a shared ABC premise allowing spill out dining and tasting from restaurants, microbreweries, and tasting rooms into community gathering spaces. Control points will occur at entries to each community gathering area meeting ABC fencing and signage requirements.
   a. Bars having allocated patio space shall be allowed to seat patrons on the patio.
2. Any use serving alcohol, and which is allowed within this Specific Plan will not require a 500-foot separation from any other use allowed within the Specific Plan Area including residential uses, religious assemblies, schools, or other youth-oriented institutional activities.
3. Uses eligible for ABC licenses within the East-End Planning Area include:
   a. Bars
   b. Beer Gardens
   c. Breweries
   d. Distilleries
   e. Restaurants
   f. Retail Sales
   g. Wine Bars
4. Typical ABC License Types allowed within the East-End Planning Area:
   a. Type 04, Distilled Spirits Manufacturing
   b. Type 20, Off Sale Beer & Wine
   c. Type 23, Small Beer Manufacturing
   d. Type 41, On Sale Beer & Wine – Eating Place
   e. Type 47, On Sale General – Eating Place
   f. Type 48, On Sale General – Public Premise
5. ABC control Points
   a. Community gathering areas shall use walls, landscaping, landscape planters, benched seating, or similar landscape design features to funnel people through control points.
   b. Signage consistent with ABC guidelines shall be posted at entry and exits from control points.

Figure 8 ABC Shared Premise Boundary

3.6.1.3 Art Installations and Billboards

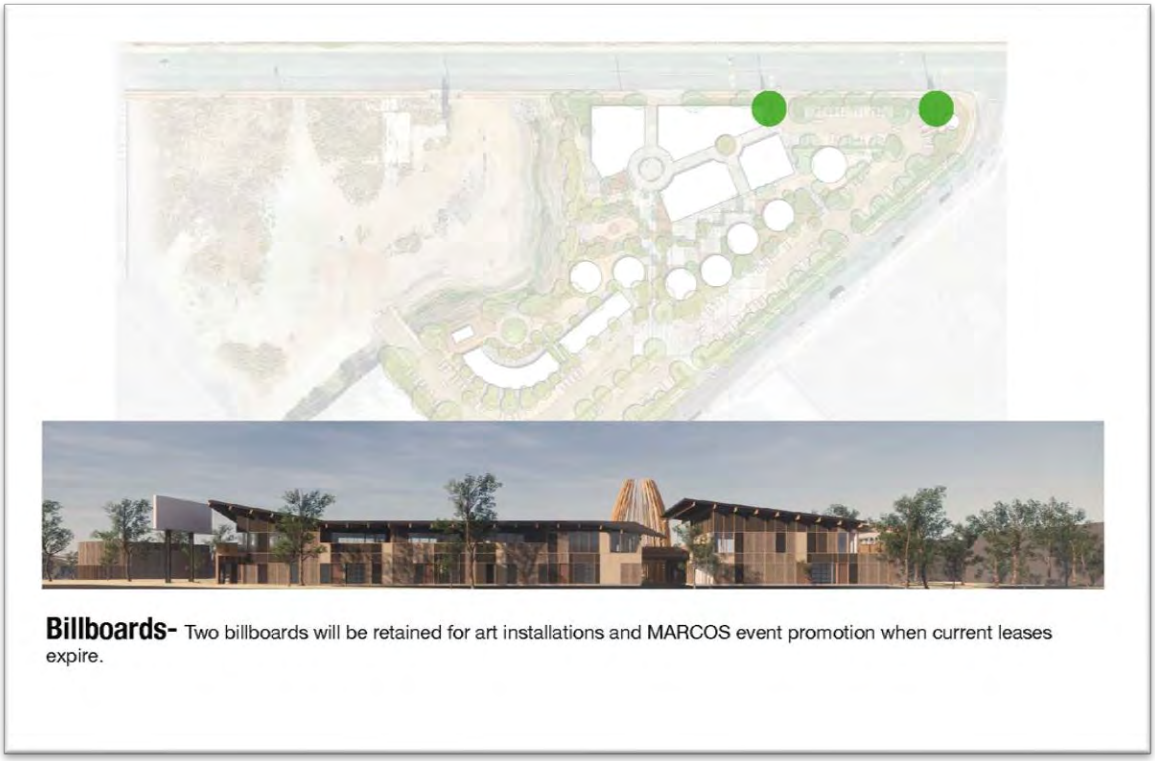
Art installations may be provided in the following forms:

1. Murals
2. Sculptures
3. Performance arts
4. Other – as approved by the city's Planning Director

The existing billboards on the north property line within the East-End Planning Area shall remain and shall be repurposed as East-End Planning Area art and event information billboards. The following standards apply to the billboard displays:

1. Art installations are allowed for billboard use.
2. Event advertising for East-End Planning Area events shall be allowed to use the billboards.
3. Billboards should avoid potentially offensive art installations.
4. No digital signage or performance art shall be allowed on the billboards.
5. No advertisements for offsite uses shall be displayed on billboards after occupancy of the East-End Planning Area.

Figure 9 Proposed Billboard Locations



3.6.1.4 Events and Entertainment

Events shall be allowed within the Specific Plan area and will occur within the various gardens and plazas spread throughout the East-End Planning Area. Events and entertainment not included in **Table 4** should reference the standards in Section 3.6.1.4, A to be considered an allowed event. Events similar in nature to those listed in **Table 4** shall be allowed within the parameters of the size categories below. Events and entertainment not included in section **Table 4** may be allowed subject to the Planning Director's decision. The following development standards apply to all events and outdoor entertainment proposed within the East-End Planning Area:

A. Allowable Events and Entertainment

Events within the Specific Plan shall be allowed based on the following criteria:

1. Events and entertainment must fall within the event size category identified in Section 3.6.1.4.B.
2. All proposed events and entertainment must comply with the parking requirements identified in Section 3.6.1.9.C.
3. Events and entertainment may occur from 10 a.m. to 10 p.m. Noise shall not exceed 65 dBA Leq at the property line per SMMC 20.300.070E.
4. Large Events and/or events requiring the use of parking areas shall require a special event permit issued by the City of San Marcos.
5. Prior to the first event, a final Parking Management Plan shall be approved by the Planning Director.

6. Offsite parking accommodation may be required to be secured prior to the event and/or other alternative methods utilized as identified in the latest approved Parking Management Plan.
7. Any proposed offsite parking agreements shall be provided to the city in advance of the event and/or application of a Special Event Permit.

B. Event Categories

Events which may occur on the site are anticipated to be classified in three categories:

1. Small Events (10-20 people):
   a. May occur on a weekly basis.
   b. Small events may be held indoors or in outdoor gathering spaces.
   c. Small outdoor events shall take place during regular business hours.

2. Medium Events (20-100 people)
   a. Medium events may occur twice monthly.
   b. Medium events may be held indoors or in outdoor gathering spaces.
   c. Medium events may take place on weekends between the hours of 4 p.m. to 10 p.m. or as approved by a special event permit issued by the City of San Marcos prior to the event.
   d. Medium events shall not utilize on-site parking areas unless a Special Event Permit is approved by the City prior to the event.

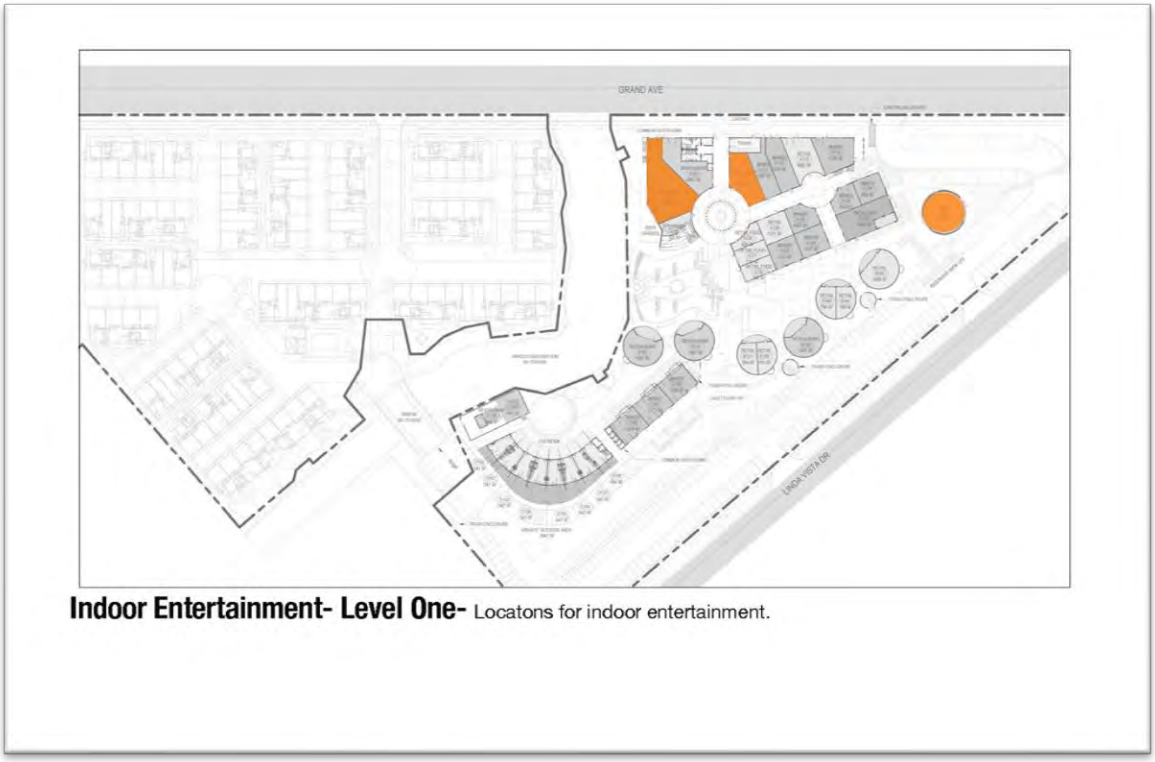
3. Large Events (100+ persons)
   a. Large events may take place once a quarter.
   b. Large events would be geared toward attracting the community.
   c. Large events shall be held in outdoor gathering spaces.
   d. Large events may take place between the hours of 10 a.m. to 10 p.m.
   e. Large events shall require a Special Event Permit approved by the City prior to the event. The Special Event Permit shall be accompanied by proof that adequate off-site parking has been secured.

4. Accessory Entertainment for Bars and Tasting Rooms
   a. Accessory entertainment will be allowed within bars and tasting rooms and on outdoor patio spaces allocated to bars and tasting rooms.

Table 4 Allowable Events

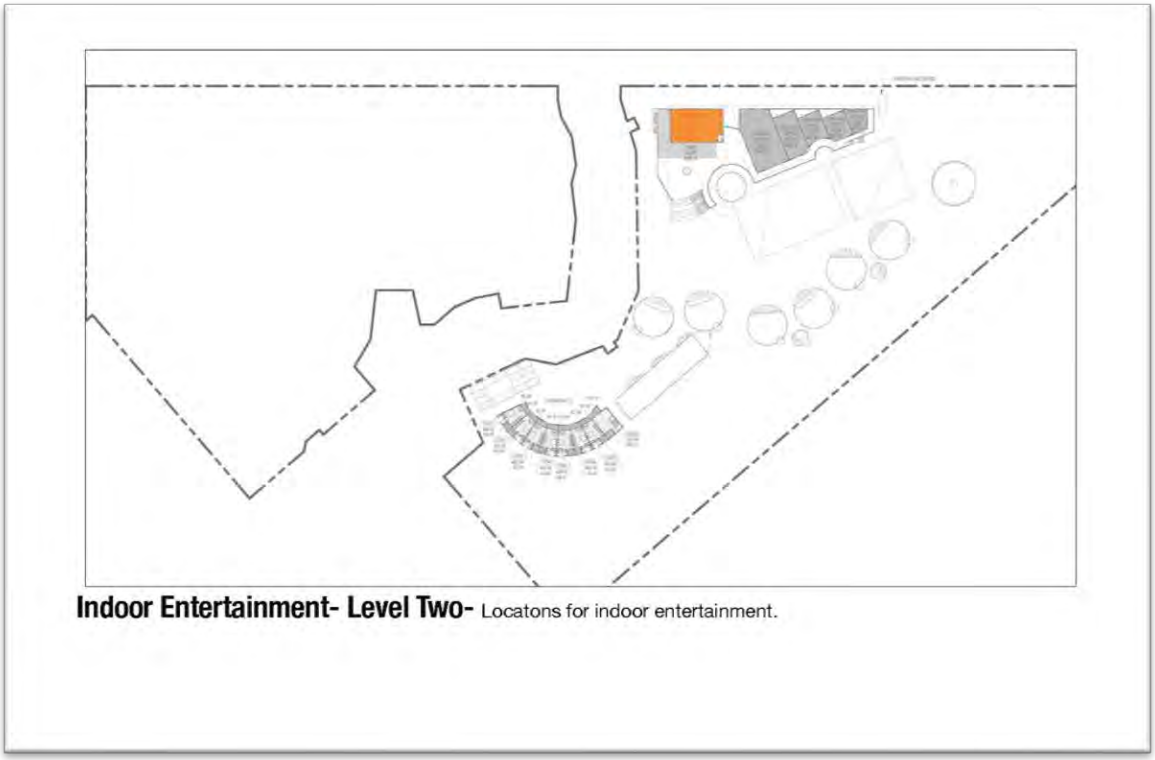
Event Category	Event Type Allowed	Event Location
Small Events (10-20 people)	Art Demonstrations & Educational Speakers	Indoor/Outdoor
	Art Lectures	Indoor/Outdoor
	Buskers in Makers Promenade	Indoor/Outdoor
	Live music	Indoor/Outdoor
	Movies	Indoor/Outdoor
	Wellness/Yoga	Indoor/Outdoor
Medium Events (20-100 people)	Concerts	Indoor/Outdoor
	Craft Fair	Indoor/Outdoor
	Music School Recitals	Indoor
	Open Studio Nights	Indoor/Outdoor
	Outdoor Movies	Outdoor
	Summer Movies Series (Art Film festival)	Indoor/Outdoor
Large Events (100+ people)	Concerts	Outdoor
	Craft Fair	Outdoor
	Craft Beer Festivals	Outdoor
	Farmers Market	Outdoor
	Food Festivals	Outdoor
	Holiday Festivals	Outdoor

Figure 10 Conceptual Indoor Event Locations



Indoor Entertainment- Level One- Locatons for indoor entertainment.

Figure 11 Second Story Indoor Event Locations



Indoor Entertainment- Level Two- Locatons for indoor entertainment.

Figure 12 Outdoor Festival and Market Locations

3.6.1.5 Floor Area Ratio (FAR)

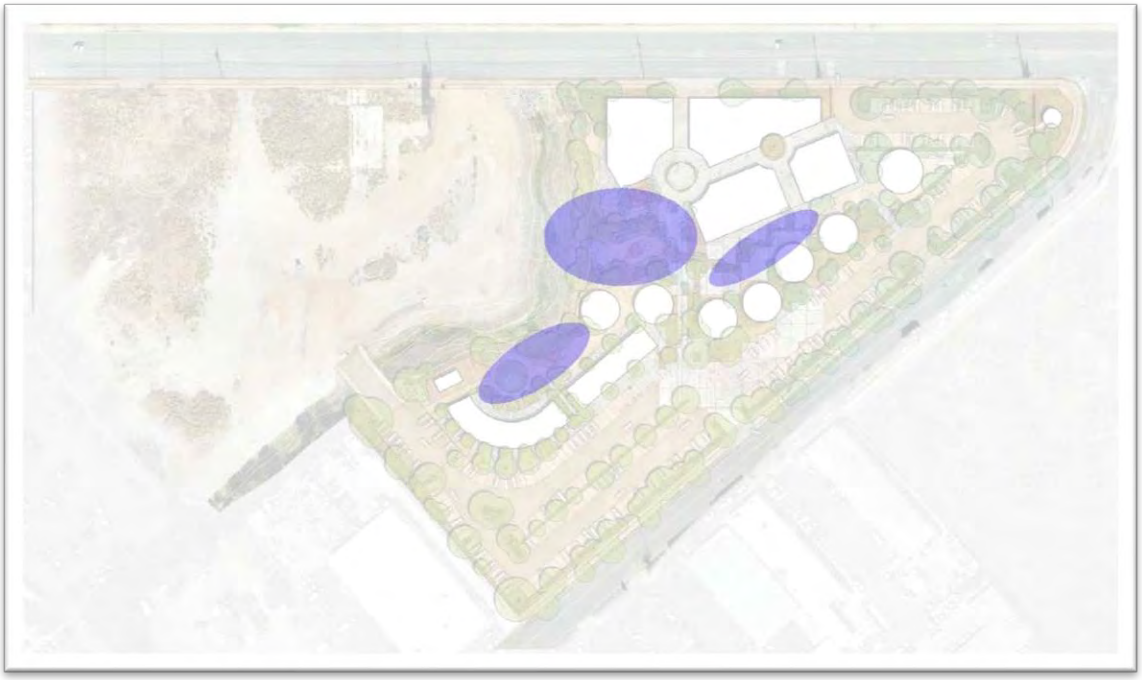
The East-End Planning Area is located on approximately 6.05- acres and includes approximately 51,269 sq. ft. of building area. This equates to a FAR of 0.1 for the Planning area, which is within the target FAR for the site.

3.6.1.6 Kiosks

Kiosks shall be allowed in various locations throughout the East-End Planning Area and shall comply with the following standards:

1. Kiosks shall not impede pedestrian traffic and shall maintain a minimum of 5' of clear walkway space.
2. Kiosks may be used for art fairs, holiday markets, night markets, and temporary pop-up uses for short-term events and shall be removed at the end of the event.
3. Kiosks may utilize vintage trailers, refurbished vehicles, or other similar items.
4. Two Permanent kiosk are included within the East-End Planning Area; however the Kiosks are designed as amenities and when not in use would be utilized as outdoor bench seating or other similar landscape design features.
    a. The permanent kiosks would operate during events.

Figure 13 Kiosk Locations



3.6.1.7 Live-Work Units Open Space

Live-work units will provide private open space in the form of deck space for each dwelling unit. In addition, approximately 2,059 SF of common area private open space located to the rear of the units will be available for use by all live-work residents.

1. A minimum of 151 SF of main entry courtyard space shall be provided for each live-work unit.
2. A minimum of 140 SF of exclusive use deck space shall be provided for each live-work dwelling unit.
3. The 2,059 SF common area private open space shall not be used as storage area.
    a. Common area private open space may include recreational amenities such as:
        i. Barbeques and seating area.
        ii. Picnic tables or seating.
        iii. Open turf area.
        iv. Lawn sports such as volleyball & bad mitten, bocce ball, etc.
        v. Fire pit.
        vi. Other similar recreational amenities.

3.6.1.8 Landscaping Regulations

All open space areas shall be landscaped in accordance with the City of San Marcos' Water Efficient Landscape Ordinance (WELO). All required landscaping shall be permanently maintained in a healthy condition free from weeds, trash, and debris per the city-approved landscape plan. Any deviations from the approved landscape plan shall be approved by the city.

1. Lighting Regulations

Lighting fixtures shall be directed and shielded so as not to illuminate surrounding properties and reduce glare and shall comply with the following standards, as verified through a photometric study:

a. Parking areas shall be illuminated to levels that achieve a uniform ratio of three to one (3:1) (average to minimum) and maintain an average of one (1) foot candle, with a minimum of one-half (1/2) foot candle.

b. Perimeter lighting, not affiliated with the lighting of parking lots, shall not exceed one-half (1/2) foot candle at any point along the property line of the subject or adjacent parcel.

c. No light shall spill over into neighboring properties or the Las Posas Creek open space land use.

d. All lighting shall be shielded and directed downward.

3.6.1.9 Parking & Rideshare

Off-street parking for the East-End Planning Area will be regulated in accordance with the SMMC and the following requirements:

A. General Requirements

1. Parking shall only be permitted in designated parking spaces. No parking shall be permitted in Private Drives, Private Drive Aisles, or driveways.

2. All circulation, ingress and egress, and off-street parking areas shall be surfaced with an asphalt, cement concrete paving, or compacted decomposed granite, designed to withstand repeated vehicular traffic. Other paving material may be used, such as pervious surfaces, subject to the approval of the Planning Director and City Engineer.

3. All guest parking spaces, Private Drives, Private Drive Aisles, pedestrian crossings, driveways, and fire lanes shall be striped or otherwise designated to provide safe access and circulation. Pavement markings signage, and other distinctions shall be maintained in a visible and legible manner.

4. Proposed uses within the Specific Plan shall reference the latest city-approved Shared Parking Analysis (currently produced by C&R Associates dated 10/21/2022) to determine their use is consistent with the maximum square footages identified for the respective use category. When a specific use is proposed which exceeds a use category's maximum square footage threshold for parking required, the use may still be allowed within the East-End Planning Area when the specific proposed use does not exceed the total required parking thresholds for all categories.

B. Parking and Loading

1. A minimum of 278 parking spaces shall be provided for the East-End Planning Area.

2. Live-work units will provide 1 parking space per unit.

3. Parking Space dimensions shall be provided as follows:

i. Perpendicular guest parking spaces shall have a minimum dimension of nine (9) feet wide by 18 feet long or 9 feet wide by 16 feet long with a two (2) foot overhang for regular

spaces and 8.5 feet wide by 16 feet long or 8.5 feet wide by 14 feet long with a two (2) foot overhang. Bumper guards or wheel stops shall be provided in such a manner as to ensure that no portion of any parked vehicle shall touch any wall, fence, building or project beyond any lot lines bounding a parking area facility. In lieu of bumper guards or wheel stops, the paved parking space length may be decreased by up to two (2) feet by providing an equivalentvehicle overhang into landscape areas or paved walkways. Such an overhang area shall not be considered as part of any open space requirement. In no case shall such overhang beconsidered part of a required walkway or sidewalk width.

ii. Parallel guest spaces shall provide a minimum dimension of nine (9) feet wide by 22 feet long. End spaces may be reduced to 18 feet long.

iii. 20% of the total spaces may be compact spaces.

4. Parking shall not be permitted within the setback area to Grand Ave. or Linda Vista Dr.

5. To provide shade and reduce heat island effect, rows of new parking shall be broken up with tree planters provided at a minimum of one (1) tree for every five (5) parking spaces. Tree planters shall have a minimum interior dimension of five (5) feet. Trees shall be a minimum 24-inch box size and shall be designed to achieve a goal of fifty percent (50%) shade requirement within fifteen (15) years of planting. Landscape irrigation shall be provided per the requirements of the City of San Marcos Water Efficient Landscape Standards (WELO).

6. Designated parking spaces for the disabled shall be provided in compliance with state law (Title 24) and the California Vehicle Code (Section 22507.8), including required number of parking spaces and design requirements.

7. Delivery/loading areas are identified in **Figure 14**.

C. Event Parking

Parking for special events shall be subject to the following development standards:

1. Events shall utilize existing commercial parking spaces, valet services, and/or offsite parking and shall be controlled by the latest approved Parking Management Plan prepared for the Specific Plan area and/or Special Event Permit issued by the City of San Marcos.

D. Bicycle Parking

The following standards promote the use of bicycles as an alternative to single occupancy vehicle use in accordance with Specific Plan Objectives #1 and #5:

1. Provide at minimum 1 bicycle parking space per 5,000 SF of Commercial area, 1 bicycle parking space per 10,000 SF of Office area, 1 bicycle parking space per 7,500 SF of retail area, and 1 bicycle parking space per 10,000 SF of makerspace.

2. For all area use classifications 25% shall be Class I bicycle parking facilities and 75% Class II bicycle parking facilities.

3. Guest bicycle parking shall consist of permanently anchored bicycle racks or other secure bicycle parking in a location readily visible to passers-by.

E. Electric Vehicle Parking and Charging

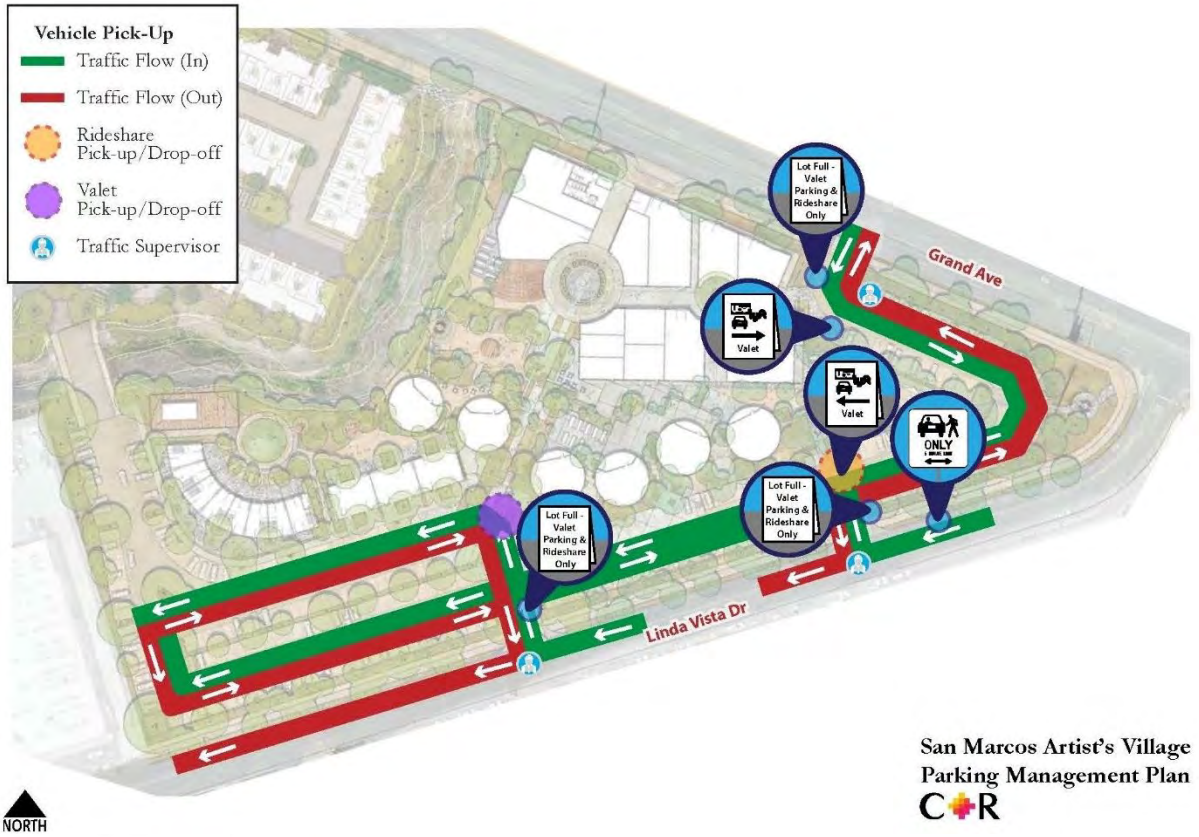
The following standards implement Specific Plan Objectives #1:

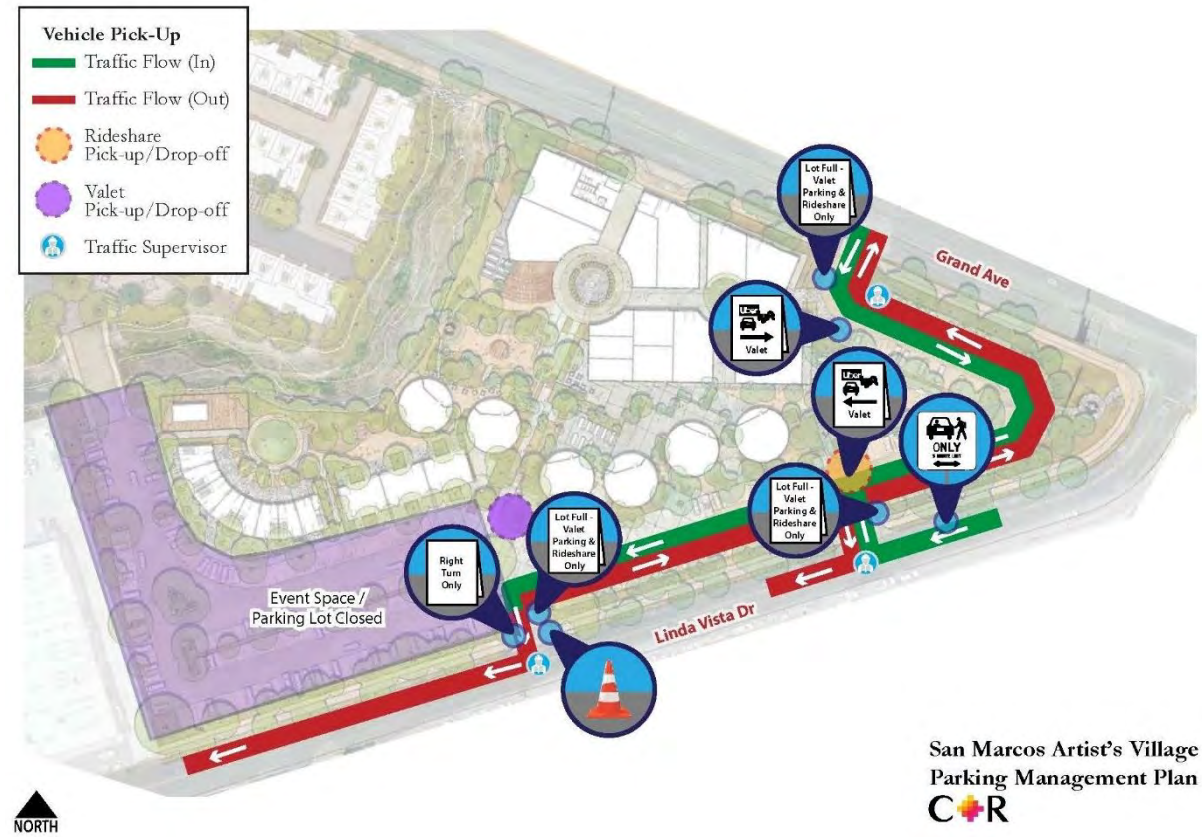
1. A minimum of five percent (5%) of the commercial/retail parking spaces required shall be equipped with EV charging stations or as otherwise required by CalGreen, whichever is more stringent. Calculations for the required number of spaces shall be rounded up to the nearest whole number.
2. Charging stations/spaces shall not interfere with on-site parking or pedestrian circulation.
3. Charging stations/spaces shall be maintained in functioning order in all respects.
4. Final EV stall locations will be determined prior to the issuance of a building permit.
5. Supercharging stations shall be allowed within the Specific Plan area and processed via building permits with the City of San Marcos.

F. Valet, Rideshare, and Delivery Services

Valet and rideshare shall be allowed within the East-End Specific Plan.

1. Valet parking shall be controlled by the latest city-approved Parking Management Plan prepared for the Marcos Specific Plan.
2. Valet and rideshare drop-off and pickup locations shall not block or interfere with emergency vehicle parking, i.e., red-striped curbs, or block fire hydrants or other fire equipment.
3. Valet services shall be utilized in accordance with the latest approved parking management plan during large events, or as demand increases and during holiday festivals.
4. A minimum of four (4) rideshare drop-off and pickup locations will be provided for the East-End Planning Area.
5. The Planning Area will provide three (3) short delivery service areas at a minimum. These areas shall not block or interfere with emergency vehicle parking, i.e., red-striped curbs, or block fire hydrants or other fire equipment. Valet and rideshare drop-off and pickup locations are identified in **Figure 14**.
6. Rideshare is encouraged when visiting the Specific Plan area.





Valet and Rideshare Options

Figure 14

Marcos Specific Plan

3.6.2 West-End Planning Area Development Standards

The principal residential land uses within the Specific Plan are located within the West-End Planning Area and include multi-family residential land uses and their respective private and common area recreational open space.

3.6.2.1 Density

The West-End Planning area is approximately 5.03-acres and may accommodate multi-family dwelling units at a density of 20.1-30.0 du/acre, which is consistent with the City of San Marcos Medium High Density Residential MHDR General Plan Land Use classification.

3.6.2.2 Parking

This section shall provide regulation of off-street parking for all residential development within the West-End Planning area of the Marcos Specific Plan. Parking standards have been developed in accordance with the SMMC Section 20.340 Off-Street Parking and Loading.

A. General Requirements

1. Parking shall only be permitted in designated parking spaces and inside garages. No parking shall be permitted in Private Drives, Private Drive Aisles, or driveways.
2. All circulation, ingress and egress, and off-street parking areas shall be surfaced with an asphalt or cement concrete paving, designed to withstand repeated vehicular traffic. Other paving material may be used, such as pervious surfaces, subject to the approval of the Planning Director and City Engineer.
3. All guest parking spaces, Private Drives, Private Drive Aisles, pedestrian crossings, driveways, and fire lanes shall be striped or otherwise designated to provide safe access and circulation. Pavement markings, signage, and other distinctions shall be maintained in a visible and legible manner.

B. Garages

The following standards shall apply to all residential garages within the West-End Planning Area:

1. Garages shall provide a minimum of two (2) parking spaces.
2. Each interior garage parking space shall maintain an unobstructed dimension of 40 feet long and 12 feet wide for tandem garages and 20' x 20' minimum for two-car side by side garages and a minimal vertical clearance of seven (7) feet, except the front three (3) feet of aparking space located at the front of the garage may have a vertical clearance of four (4) feet.
3. Twenty-five % (25) of West-End dwelling units may feature tandem garage parking.
4. Garages shall be designed to provide adequate storage for three (3) waste carts. Waste carts storage space shall not encroach into the required parking space area.
5. Bicycle parking shall be allowed within garages.
6. Garage spaces shall be used for parking and not storage, which shall be enforced through the Community's Covenants, Conditions, & Restrictions (CC&Rs).

C. Guest Parking

The following standards shall apply to all guest parking within the West-End Planning Area:

1. A minimum of 0.33 guest spaces per unit shall be required. Calculations for the required number of spaces of 0.5 or greater shall be rounded up to the nearest whole number.
2. Parking Space dimensions shall be provided as follows:
   i. Perpendicular guest parking spaces shall have a minimum dimension of nine (9) feet wide by 18 feet long. Bumper guards or wheel stops shall be provided in such a manner as to ensure that no portion of any parked vehicle shall touch any wall, fence, building or project beyond any lot lines bounding a parking area facility. In lieu of bumper guards or wheel stops, the paved parking space length may be decreased by up to two (2) feet by providing an equivalent vehicle overhang into landscape areas or paved walkways. Such an overhang area shall not be considered as part of any open space requirement. In no case shall such overhang beconsidered part of a required walkway or sidewalk width. The 20% allowed compact stalls shall be for guest spaces only and shall not permit any overhang.
   ii. Parallel guest spaces shall provide a minimum dimension of nine (9) feet wide by 22 feet long. End spaces may be reduced to 18 feet long.
3. Where possible, guest parking spaces should be evenly distributed throughout the Specific Plan area and designed to occur along private driveways where possible. Apartment building types may cluster parking adjacent to buildings.
4. Parking shall not be permitted within the setback area of any setback to Grand Ave. and should be located behind buildings and interior to the Specific Plan area, where feasible, such that parking visibility is minimized from the public right-of-way.
5. To provide shade and reduce heat island effect, rows of new parking shall be broken up with tree planters provided at a minimum of one (1) tree for every five (5) parking spaces. Tree planters shall have a minimum interior dimension of five (5) feet. Trees shall be a minimum 24-inch box size and shall be designed to achieve a goal of fifty percent (50%) shade requirement within fifteen (15) years of planting. Landscape irrigation shall be provided per the requirements of the City of San Marcos Water Efficient Landscape Standards (WELO).
6. Guest parking spaces shall be solely used for parking, not for storage; display or sale or lease; or repair of vehicles, trailers, recreation vehicles, boats, or similar.
7. In addition to required guest spaces, at least one (1) space shall be reserved for United States Postal Service and other delivery trucks per residential lot. Where possible, this delivery space should be conveniently located near grouped mailboxes.
8. Designated parking spaces for the disabled shall be provided in compliance with state law (Title 24) and the California Vehicle Code (Section 22507.8), including required number of parking spaces and design requirements.

D. Bicycle Parking

The following standards promote the use of bicycles as an alternative to single occupancy vehicle use in accordance with Specific Plan Objectives #1 and #5:

1. Each home shall provide a minimum of one (1) secure and weatherproof bicycle parking space oras otherwise required by CalGreen, whichever is more stringent. Space may be provided within a garage, locker, or accessible indoor area.

2. Provide guest bicycle parking at a ratio of one (1) bike per 5 units. Guest parking shall consist of permanently anchored bicycle racks or other secure bicycle parking in a location readily visible to passers-by.

E. Electric Vehicle Parking and Charging

The following standards implement Specific Plan Objectives #1:

1. A minimum of five percent (5%) of the guest parking spaces required shall be equipped with EV charging stations or as otherwise required by CalGreen, whichever is more stringent. Calculations for the required number of spaces shall be rounded up to the nearest whole number.
2. Garages shall be equipped with electric vehicle charging infrastructure in accordance with CalGreen.
3. Charging stations/spaces shall not interfere with on-site parking or pedestrian circulation.
4. Charging stations/spaces shall be maintained in functioning order in all respects.
5. Final EV stall locations will be determined prior to the issuance of the building permit.

3.6.2.3 Open Space

In accordance with SMMC, new multi-family residential developments are required to provide both private and common open space.

A. Private Open Space

Private open space is defined as open space areas intended for the private use of individual dwelling units. Each dwelling unit with living space on the second story and above should provide a minimum of 50 square feet of private open space. Units with ground floor living space shall provide a minimum of 90 square feet of patio space. Private open space areas shall be subject to the following requirements:

1. Private open space calculations may be averaged so long as the total private open space exceeds the minimum square footage required in the SMMC.
2. Private open space shall be directly accessible from the interior living space of the unit it is intended to serve.
3. Private open spaces shall be located on the same floor as the primary living area to maximize functionality.
4. Private open space shall not be used for storage.

B. Common Open Space

Common area open spaces are provided for the benefit of residents and their guests.

1. An area equal to 30% of the total livable ground floor area of all units shall be provided as usable common open space.
2. Common open space exceeding ten percent (10%) in slope shall not be considered usable open space.

3. Walkways and bike paths shall be used in the calculation of usable open space.
4. Children's play structures, including tot lots and playground equipment should be strategically spaced in the West-End planning area to maximize utility.
    a. A minimum of 400 square feet of tot lot area for every 25 dwelling units.
    b. Children's play areas shall be a minimum of 400 square feet of usable area.
    c. Children's play areas shall be effectively buffered/fenced from adjacent streets and parking areas.
    d. Play equipment should mimic the adjacent natural creek environment and include elements such as climbing boulders, rocks, salvaged logs, mounded earth berms, or other natural-looking play features.
5. In addition to the of tot lot play area requirements described above an additional 800 square feet of playground or tot lot area shall be provided.
    a. Playgrounds may be combined with tot lots to create larger enhanced play areas.
6. At least three (3) major recreational amenities shall be provided for the West-End Planning Area and may include similar amenities as the following:
    a. Basketball court
    b. Garden, community, meditation, or similar.
    c. Lawn game(s) such as bocce ball, cornhole, horseshoes, or similar.
    d. Multi-purpose recreation center.
    e. Off-leash pet area/dog park.
    f. Outdoor exercise area.
    g. Picnic space(s) with gas barbeque/outdoor kitchen.
    h. Playground.
    i. Pool or spa.
    j. Tennis court.
    k. Volleyball court.

    Other similar amenities may be allowed pending approval by the Planning Director.
7. Amenities should be distributed throughout the site and should be selected to cater to a diverse range of interests and lifestyles including pet owners, young families, singles and more. Spaces should be provided that offer opportunities to play, socialize, and relax.

C. Wall and Fences

Walls and fences within the West-End Planning Area serve as functional boundaries framing outdoor spaces as well as complementary pieces of the landscape design. The review of walls and fences shall be an integral part of any site plan, permit, or Multi-Family Site Development

Plan review application. Compliance with all wall and fence regulations contained herein shall be required unless otherwise approved by the Planning Director.

1. Walls, fences, and monuments may be used to create partitions between private open spaces, screen the development from roadways, reduce noise from roadways, and enhance the site design.
2. Development within the planning areas shall be designed to minimize walls and fences where possible to support an open community.
3. Walls and fences shall not exceed seven (7) feet in height. Decorative pilasters may exceed the maximum height by one (1) foot and shall have a maximum of 50' of separation. Taller walls or fences for sound attenuation may be allowed upon review and approval of the Planning Director.
4. Walls, fences, and architectural screening elements shall be compatible with the architectural treatments of the site buildings.
5. No wall, fence, or landscape element shall interfere with intersection visibility, line of sight, or other safety issues.
    a. Blank walls are prohibited. Where screening or security walls (excluding tubular steel or other "open" fence types) are located within ten (10) feet of public right-of-way, landscaping shall be provided between the wall and the right-of-way to a minimum height of four (4) feet to minimize opportunities for crime and unsafe conditions.
    b. All retaining walls are subject to the City of San Marcos Municipal Code and Engineering Standards.

3.6.2.4 Landscaping Regulations

All open space areas shall be landscaped in accordance with the City of San Marcos' Water Efficient Landscape Ordinance (WELO). All required landscaping shall be permanently maintained in a healthy condition free from weeds, trash, and debris per the city-approved landscape plan. Any deviations from the approved landscape plan shall be approved by the city.

2. **Lighting Regulations**

Lighting fixtures shall be directed and shielded so as not to illuminate surrounding properties and reduce glare and shall comply with the following standards, as verified through a photometric study:

e. Parking areas shall be illuminated to levels that achieve a uniform ratio of three to one (3:1) (average to minimum) and maintain an average of one (1) foot candle, with a minimum of one-half (1/2) foot candle.

f. Perimeter lighting, not affiliated with the lighting of parking lots, shall not exceed one-half (1/2) foot candle at any point along the property line of the subject or adjacent parcel.

g. No light shall spill over into neighboring properties or the Las Posas Creek open space land use.

h. All lighting shall be shielded and directed downward.

3. Signs

Signs are permitted within the Specific Plan area and shall be subject to the City of San Marcos sign code and as described herein.

One (1) Monument Sign is permitted at each West-End Planning Area entry. Monument signs shall be subject to the following requirements:

1. Each monument sign shall not exceed six (6) feet in height.

2. The sign face for each monument sign, exclusive of any decorative pilaster(s) or sign base, shall notexceed a maximum area of 20 square feet.

3. Monument signs shall be set back a minimum of five (5) feet from any property line, subject toEngineering Division approval.

4. Monument signs shall not interfere with intersection visibility, line of sight or other safety issues.

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Chapter 4: Design Standards

4 Design Standards

The architectural design guidelines contained herein are meant to supplement the development standards outlined in Chapter 3. The design standards and regulations will help ensure a high-quality Specific Plan area designed to complement and enhance the community. To create successful communities, architectural design must embody methods which are flexible enough to meet the changing needs of the consumer market yet, must also create visually pleasing structures complementary to the surrounding area. For those reasons, the proposed architectural style has been presented for inclusion in the Marcos Specific Plan Area and was chosen based on its historic popularity with homeowners in California.

The following overview offers a brief description of the look and feel for the East-End Planning Area and the West-End Planning Area for the Marcos Specific Plan architectural style.

4.1 East-End Planning Area Design Standards

The East-End Planning area is comprised of commercial uses, live-work, makerspace, and retail uses and shall adopt an appropriate architectural style and design that complements the artistic nature of the planning area.

4.1.1 Architectural Style

The East-End Planning Area's art and craft-oriented business theme should reflect an area which is rich in art and cultural influences and therefore should exhibit a high-quality artistic design. The East-End Planning Area incorporates elements of Early Californian architecture and blends those into a modern-contemporary style. The planning area utilizes colors, forms, materials, and shapes including earth tones, natural wood, concrete, and stucco meant to complement the natural setting of San Marcos while remaining timeless. Those elements are then blended with modern forms such as exaggerated eaves and porches, broad roof overhangs, large walls of glass, open floor plans, and sharp lines. All architectural elements proposed for the East-End Planning Area should consider this theme when proposing designs.

4.1.2 Building Materials, Accents, and Colors

Materials and accents are a key factor in defining architectural style. They convey a sense of quality and contribute to the community character. Building color is the unifying component of structures, which creates a sense of variation for the streetscape and builds upon the foundation of the community aesthetic. The following design guidelines should be considered when selecting materials and colors:

1. Select materials, accents, and colors which are appropriate for each façade and contribute to enhancing the visual theme for the planning area and match the theme for the specific style of building to which they are applied.
2. Use materials and colors to accentuate changes in massing, define individual suites, and complement architectural materials and features.
3. Choose colors and materials that complement each other and add depth to the community.
4. Use color palettes to distinguish groupings of buildings within the planning area and improve the visual interest of streetscapes.

5. Appropriate materials include, but are not limited to, cement, wood, stone or brick veneer, glass, fabric sidings/sails, and stucco. Metal roofs, accents, and trims are acceptable within the planning area.
6. Choose colors to achieve a reasonable representation of a particular architectural style and which lend authenticity to the final product.
7. Accent colors should complement the palette of the main structure.
8. Patterns based on the colors identified in Table 5 may be incorporated into the paint schemes for buildings.

Table 5 East-End Planning Area Building Materials and Colors

Colors	Materials
Beige	Brick
Browns	Concrete Masonry Block
Creams	Corrugated Metal
Dark Browns	Fabric
Earthen Colors	Fiber Cement
Gray Tone's	Metal Roof
Rust	Metal Trim
Tans	Stone
	Stucco
	Wood
	Woven Reeds

4.1.3 Floor Plan Summary

Floor Plans for the East-End Planning Area shall accommodate the commercial/retail and live-work users' businesses. Floor plans will accommodate a variety of uses and may be modified by tenants in accordance with regulations in this document as well as through the City of San Marcos tenant improvement building plan process.

Live-work units shall provide storefront entry. Live-work units shall provide a minimum of 140 sf. of private open space for each unit. The private entry open space shall be shared between units and total approximately 2,847 sf. Trash receptacles shall be stored in the rear yards within a covered enclosure.

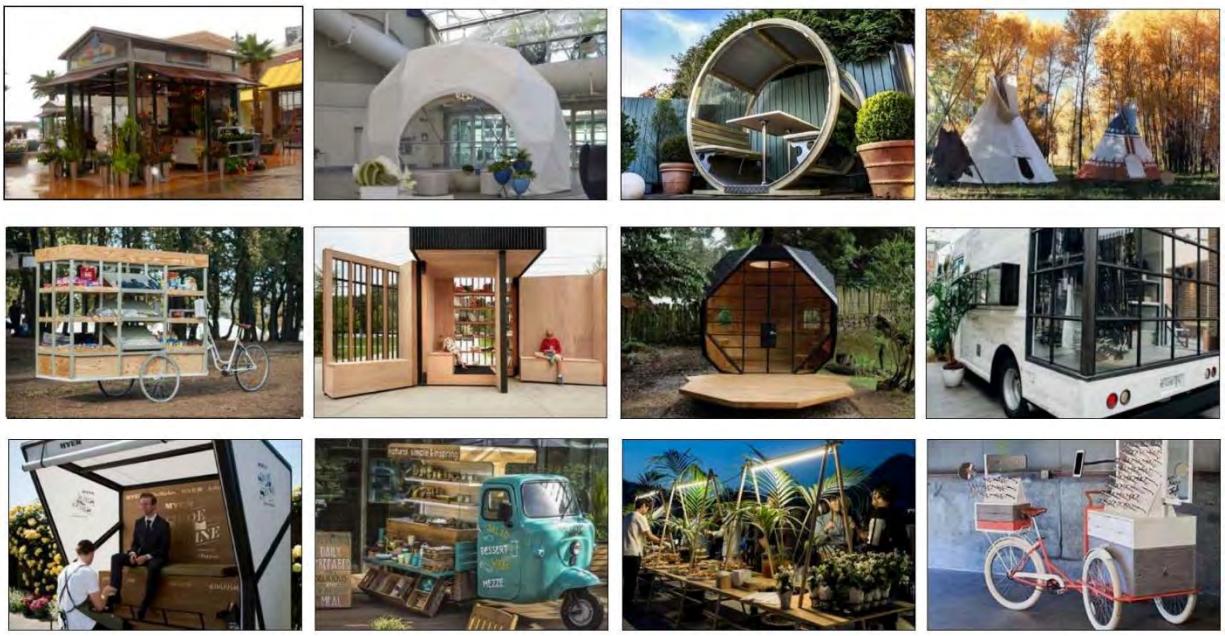
For clarity, conceptual elevations are grouped into districts and shown on **Figure 18 through Figure 20**.

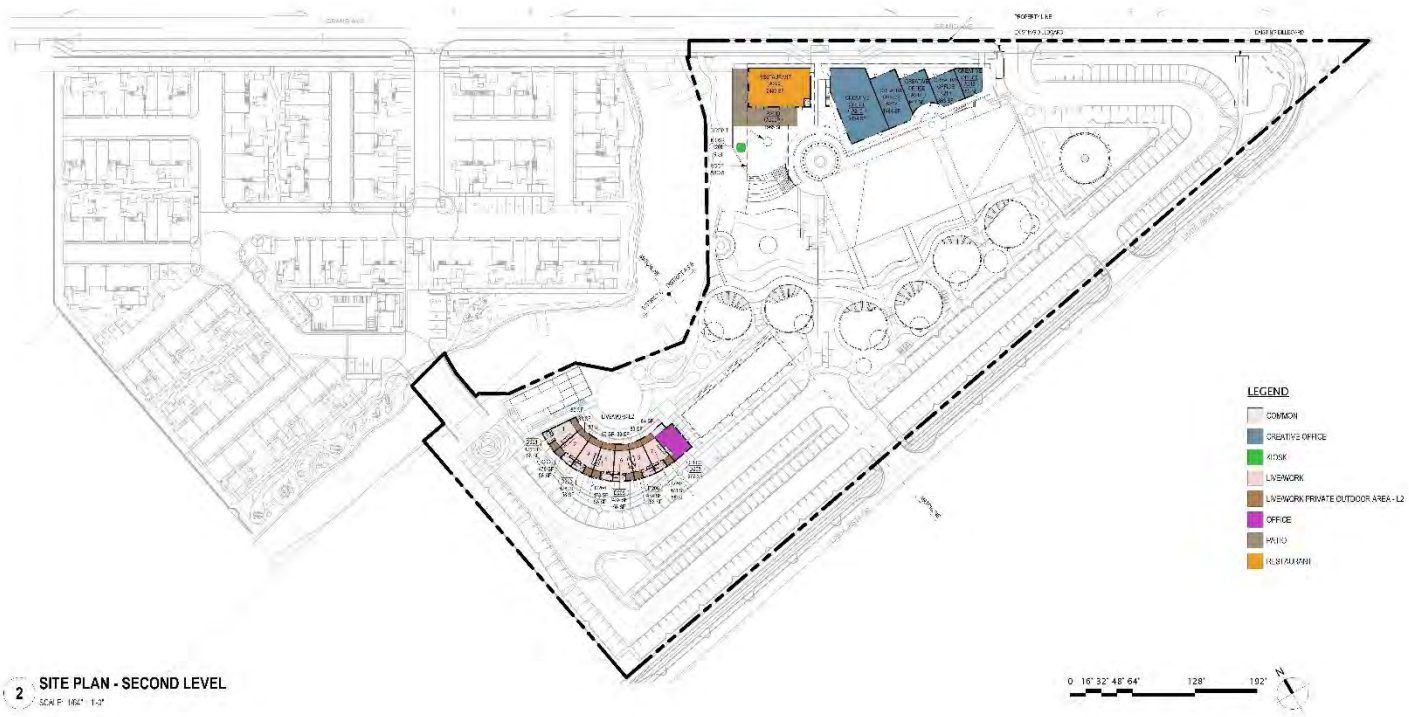
4.1.4 Kiosk Design

Kiosks proposed for the East-End Planning area may take on a variety of forms and design styles. Kiosks should complement the overall theme of the Specific Plan Area. Kiosks may be mobile or permanently affixed. Proposed Kiosks which utilize permanent foundations shall require a building permit and should comply with the style and materials identified in this chapter. Non-permanent kiosks may utilize a variety of materials and colors as allowed by East-End Planning Area ownership group.

1. Permanent kiosks shall not exceed 100 SF.
2. Non-permanent kiosks shall not exceed 50 SF.

Figure 15 Kiosk Examples

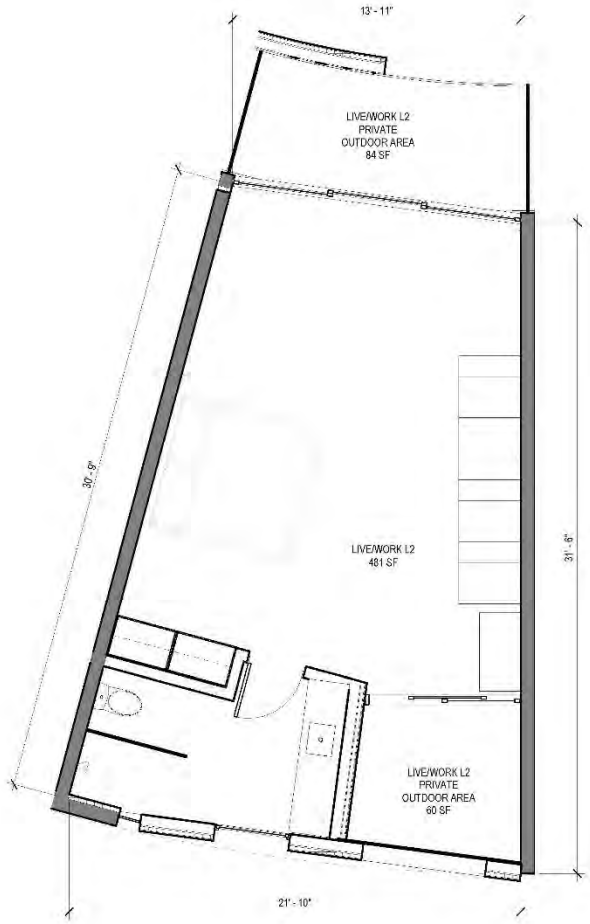




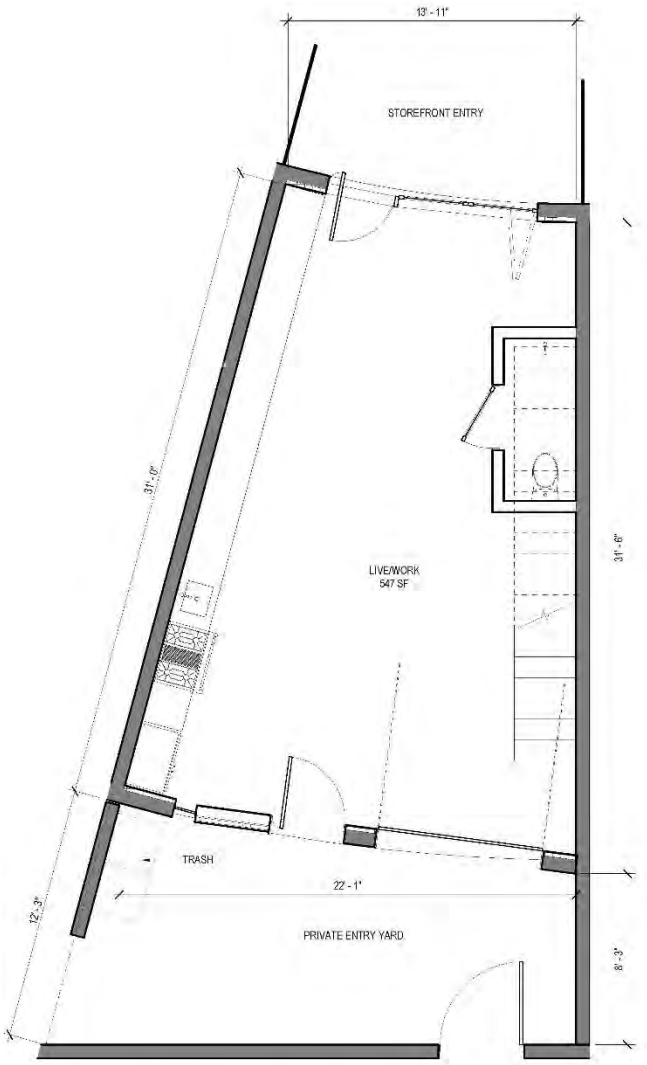
2 SITE PLAN - SECOND LEVEL

1 SITE PLAN

Conceptual Eastend Planning Area Floor Plans Figure 16



2 TYPICAL LIVE/WORK UNIT PLAN - SECOND FLOOR
SCALE: 1/4" = 1'-0"

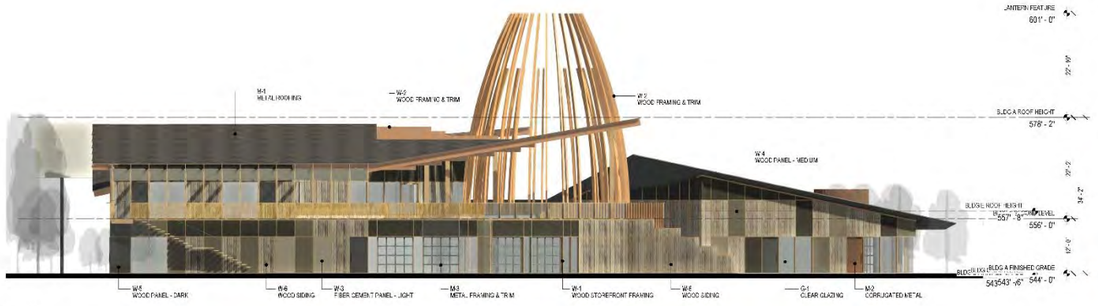


1 TYPICAL LIVE/WORK UNIT PLAN - GROUND FLOOR
SCALE: 1/4" = 1'-0"

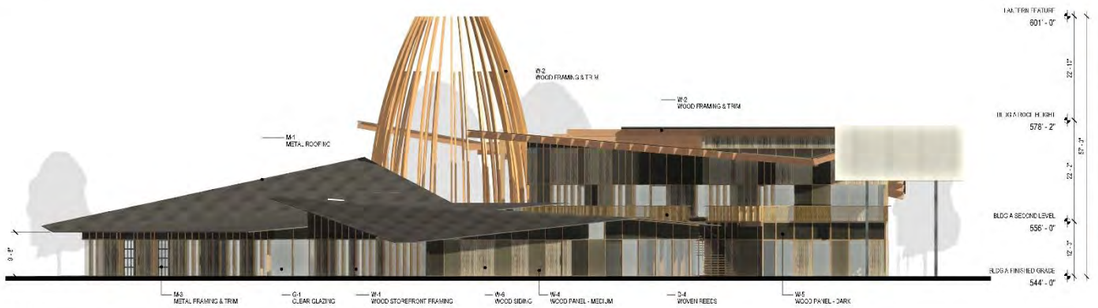
Typical Eastend Planning Area

Figure 17

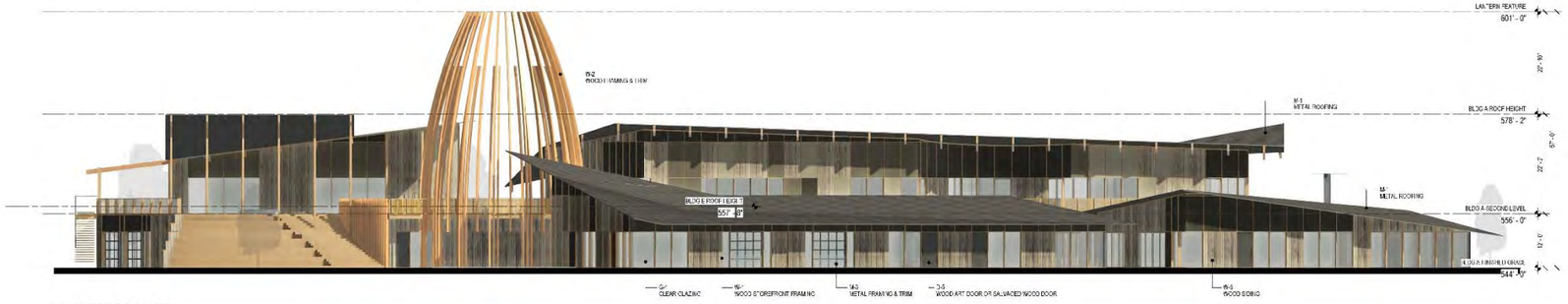
Marcos Specific Plan



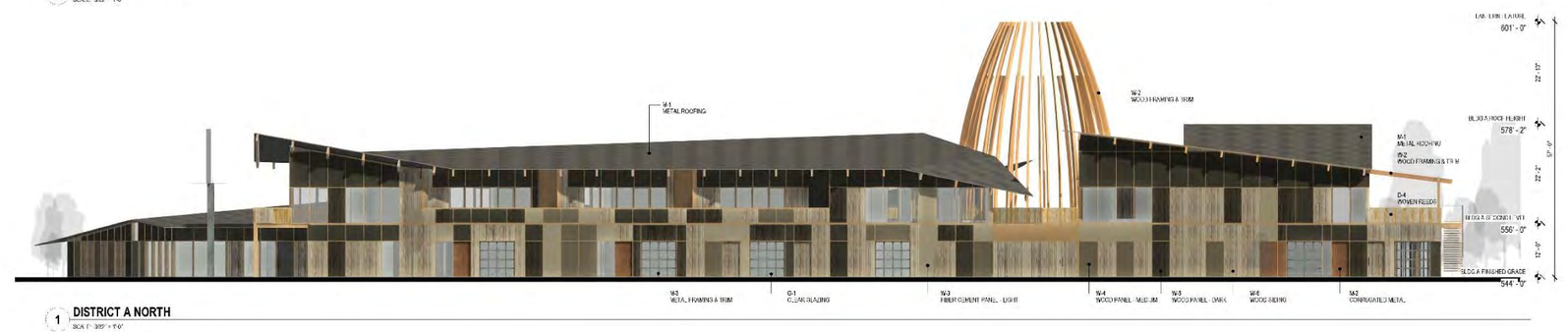
4 **DISTRICT A WEST**
SCALE: 3/32" = 1'-0"



3 **DISTRICT A EAST**
SCALE: 3/32" = 1'-0"



2 **DISTRICT A SOUTH**
SCALE: 3/32" = 1'-0"



1 **DISTRICT A NORTH**
SCALE: 3/32" = 1'-0"

GENERAL NOTES

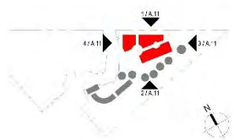
1. BUILDINGS SHALL NOT EXCEED (5) STORIES AND MAXIMUM BUILDING HEIGHT OF 60'-0" (MAXIMUM ARCHITECTURAL FEATURE HEIGHT 72'-0" PER ZONING DISTRICT DIMENSIONS, ED.
2. REFER TO PRIMARY EXTERIOR, DECORATIVE FINISH LEGEND AND DECORATIVE EXTERIOR FINISH - QUALITY CRITERIA FOR MATERIALS.

PRIMARY EXTERIOR FINISH LEGEND - DISTRICT A

- G-1 CLEAR GLAZING
- C-1 CONCRETE MASONRY UNIT
- M-1 METAL ROOFING
- M-2 CORRUGATED METAL
- M-3 METAL FRAMING & TRIM
- W-1 WOOD STOREFRONT FRAMING
- W-2 WOOD FRAMING & TRIM
- W-3 FIBER CEMENT PANEL - LIGHT
- W-4 WOOD PANEL - MEDIUM
- W-5 WOOD PANEL - DARK
- W-6 WOOD SIDING

DECORATIVE EXTERIOR FINISH LEGEND

- D-1 PAINT - MURAL
- D-2 WOOD ART DOOR OR SALVAGED WOOD DOOR
- D-3 AWNING
- D-4 WOVEN REEDS



Conceptual Eastend Planning Area Elevations, District A

Figure 18

Marcos Specific Plan

GENERAL NOTES

1. BUILDINGS SHALL NOT EXCEED DISTRICT AND MAXIMUM BUILDING HEIGHT OF 90'-0" MAXIMUM ARCHITECTURAL FEATURE HEIGHT TO BE PER ZONING DISTRICT COMMERCIAL (C).
2. REFER TO PRIMARY (EXTERIOR FINISH LEGEND) AND DECORATIVE EXTERIOR FINISH LEGEND FOR BUILDING MATERIALS.

PRIMARY EXTERIOR FINISH LEGEND - DISTRICT B

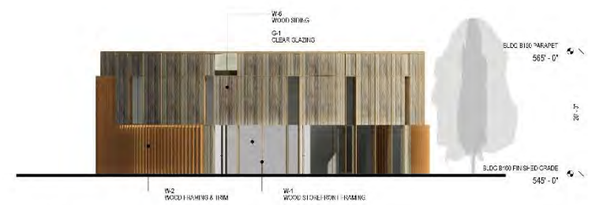
- G-1 CLEAR GLAZING
- G-4 CONCRETE MASONRY UNIT
- M-2 CORRUGATED METAL
- S-1 STUCCO, EARTHEN
- W-1 WOOD STOREFRONT FRAMING
- W-2 WOOD FRAMING & TRIM
- W-6 WOOD SIDING

DECORATIVE EXTERIOR FINISH LEGEND

- D-1 PAINT - MURAL
- D-2 WOOD ART DOOR OR SALVAGED WOOD DOOR
- D-3 TILING
- D-4 WOVEN REEDS

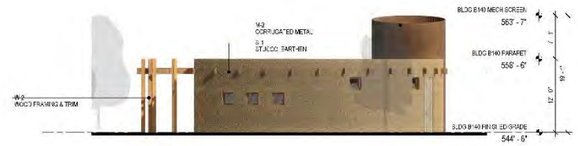
8 ELEVATION - BUILDING B160 WEST
SCALE: 1/8" = 1'-0"

7 ELEVATION - BUILDING B160 SOUTH
SCALE: 1/8" = 1'-0"



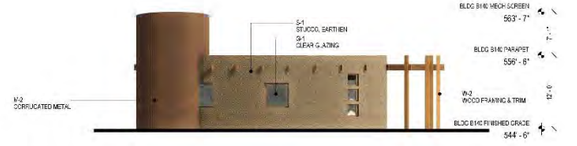
6 ELEVATION - BUILDING B160 EAST
SCALE: 1/8" = 1'-0"

5 ELEVATION - BUILDING B160 NORTH
SCALE: 1/8" = 1'-0"



4 ELEVATION - BUILDING B140 WEST
SCALE: 1/8" = 1'-0"

3 ELEVATION - BUILDING B140 SOUTH
SCALE: 1/8" = 1'-0"



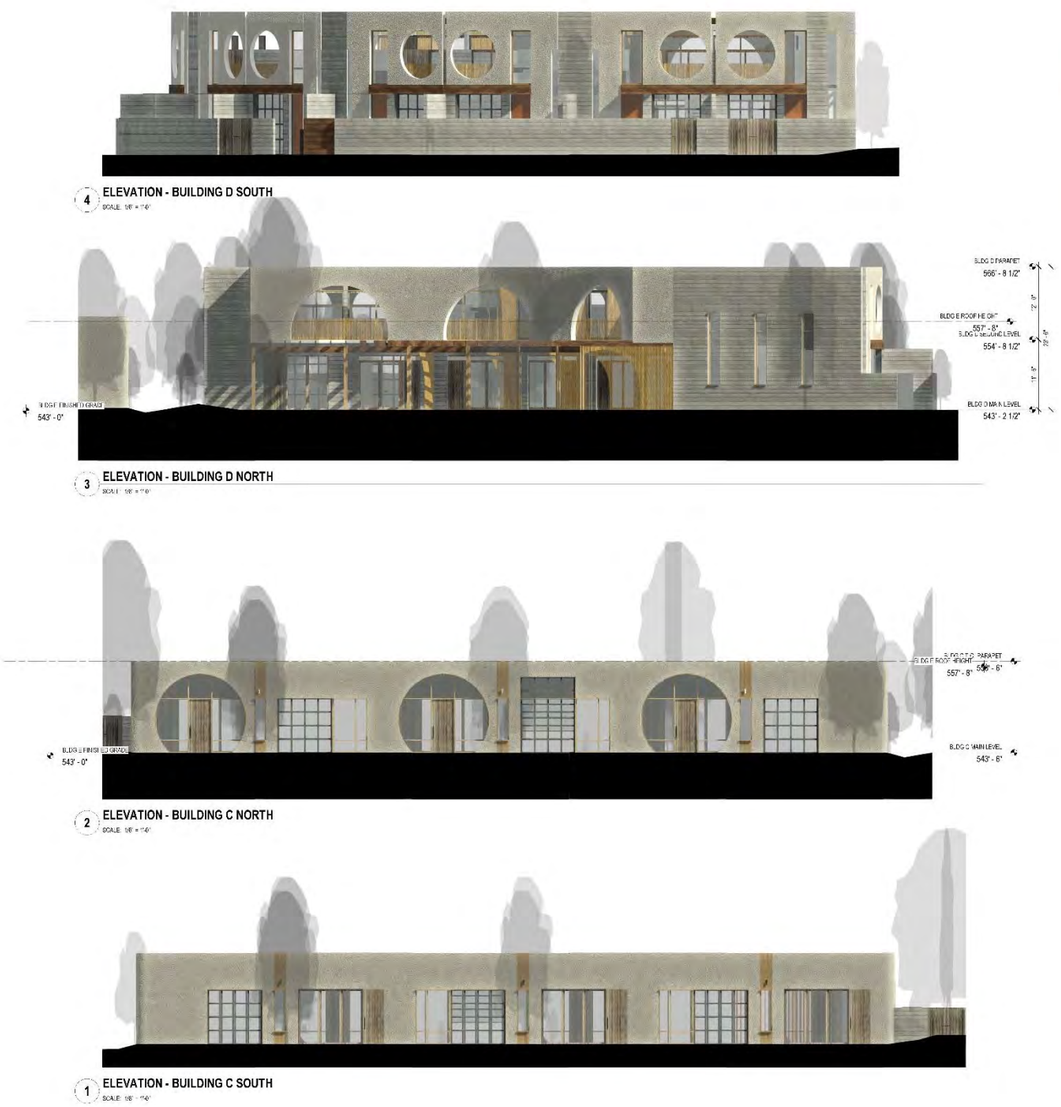
2 ELEVATION - BUILDING B140 EAST
SCALE: 1/8" = 1'-0"

1 ELEVATION - BUILDING B140 NORTH
SCALE: 1/8" = 1'-0"

Conceptual Eastend Planning Area Elevations, District B

Figure 19

Marcos Specific Plan



Conceptual Eastend Planning Area Elevations, District C

Figure 20

Marcos Specific Plan

4.1.5 Massing and Scale

Massing and scale contribute to the visual identity between commercial suites and the built environment. Those qualities help dictate the placement, size, and form for commercial/retail buildings within the East-End Planning Area. Building type placement was studied to achieve the best possible groupings as well as providing transition massing between the neighboring commercial and light industrial structures, thereby enhancing the visual character of the neighborhood. Incorporation of the following design concepts should be considered for the architecture within the Specific Plan Area:

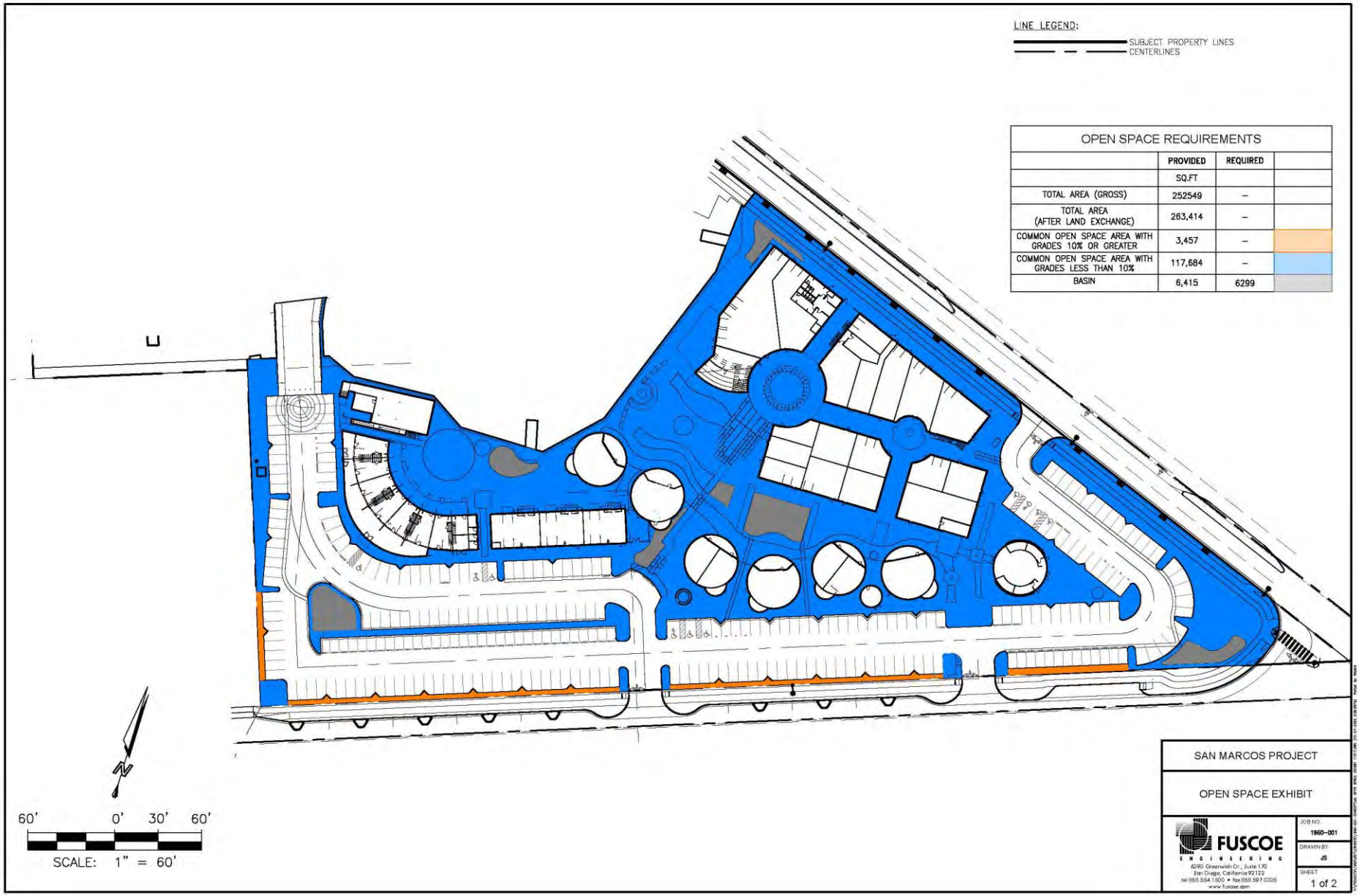
1. Utilize horizontal massing for building-form elements.
2. Utilize a mix of flat and gabled roofs with broad roof overhangs.
3. Utilize exposed steel application, unfinished concrete block, long-span steel trusses and wood finishes.
4. Permit open, column-free spaces.
5. Emphasize wood stains or alternative protective applications over paint to place emphasis on character of wood.
6. Utilize large expanses of glass to take advantage of views.
7. Incorporate circular designs for buildings and arches for unique building treatments on vernacular buildings.

4.1.6 Open Space Design

Open space is a critical component of the Specific Plan and is provided in several forms to improve the quality of the Specific Plan area. The open space component of this Plan provides community gathering space opportunities and a landscape theme to enhance the living experience for residents and visitors. Inclusion of these guidelines will contribute to a well-balanced Specific Plan and ensure open space is designed and implemented in an orderly manner. The Planning area shall provide a minimum of 10% of the net developable site as landscape area. The following points should be considered when designing open space concepts within the East-End Planning area:

1. Open space design within the East-End Planning Area shall serve three functions:
    a. Stormwater quality treatment.
    b. Visual complement to building architecture.
    c. Creation of community gathering areas.
2. Open space shall be designed around the buildings to create a sense of place.
3. Community gathering spaces should be focal points of the open space design.
4. Incorporate meandering pathway connections to community gathering areas, commercial/retail spaces, and live-work units.
5. Utilize a variety of amenities to complement the landscaping and activate gathering spaces.
6. Lighting placement should enhance outdoor spaces, highlight open space features, and provide lighting for safe pedestrian travel.

7. Plant Palettes should be chosen to accentuate the building architecture, provide visual pedestrian interest, and complement gathering spaces.
   a. Incorporate a variety of shrubs and trees to provide vertical and horizontal interest.
   b. Utilize plant color variation to provide visual interest.
   c. Provide a varied plant palette which mixes plant shapes and sizes to complement 7. a. and b.
   d. To the extent possible, utilize California native plants and naturalized plants in the landscape design.



Eastend Planning Area Open Space

Figure 21

Marcos Specific Plan

4.1.7 Landscape Design

To assure development of an attractive and cohesive community the following landscape guidelines have been provided. A landscape concept for the project can be seen on **Figure 23, Conceptual East-End Planning Area Landscape Plan**. Developers and/or builders will use the following information on the design, materials, lighting, and themes, which shall be incorporated into the Marcos Specific Plan Area. Although provided, the following information should be considered conceptual in nature. Minor changes may be necessary due to changing material guidelines, design theme modifications, or changes to State or local regulations. Final landscape design shall be approved by City of San Marcos Development Services Department.

Irrigation within the Specific Plan Area shall utilize the following:

1. Install automatic controllers which feature evapotranspiration or moisture sensing data, with manual and automatic shut-off.
2. Low volume heads, subsurface irrigation system designed to prevent runoff, low head drainage, and overspray.
3. Group plants by hydrozones and irrigate hydrozones separately.

4.1.7.1 Hardscape, Pavers, Walkways, and Wood Decking

Hardscape surfaces for the East-End Planning Area include walking pathways as well as gravel and decomposed granite areas used as walkways and groundcover in planting areas. Other materials may be allowed as approved by the Planning Director. The following design standards shall be applied to the hardscape and pathway design for the Planning Area:

1. Hardscape materials, decking, decomposed granite, gravel, flagstone, reclaimed concrete, pavers, and other similar materials should be utilized in conjunction with the landscaping to give the site a native Southern California design.
2. Materials should be locally sourced when possible and may be used in walkways, paths, parking areas, and as landscaping planting areas as allowed by ADA requirements.
3. Where decks are incorporated into the project design a natural look and stain is preferred.
4. Other materials and colors may be allowed with approval from the Planning Director.

Table 6 East-End Planning Area Hardscape Materials

Material	Color	Application
Brick Pavers	Earth Tones, Red, Rust	Parking Areas, Pathways, Patios
Decomposed Granite	California Gold, Desert Gold, other Earth Tones	Landscape Groundcover, Parking stalls, Patios, Walkways
Flagstone	Grey, Stone	Landscape applications, Patios, Walkways
Gravel	California Gold, Earth tones	Landscape Groundcover
Reclaimed Concrete	Gray	Landscape Groundcover, Walkways
Wood Decking	Earth Tones, Natural Wood	Boardwalks, Decks

Figure 22 East-End Planning Area Conceptual Landscape Renderings

3 PERSPECTIVE LOOKING SOUTHWEST

2 PERSPECTIVE LOOKING NORTH

1 PERSPECTIVE LOOKING NORTHEAST

Conceptual Eastend Planning Area Landscape Plan Figure 23

4.1.7.2 Plant Material Guidelines

The Plant Material Guideline provided below in **Table 7** is intended to provided developers and/or builders of the Marcos Specific Plan Area with guidelines for landscape plantings of locations such as entries, streetscapes, biofiltration basins, and common open space areas. Plant materials selected for the project area should be chosen based on a multitude of factors and should strengthen the overall character of the community.

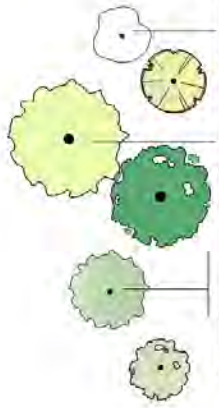
Plants used in the Marcos Specific Plan will be subdivided into two (2) categories. The first category includes general landscaping, while the second category covers slope plantings if slopes are included within the planning areas. These plants will conform to the City of San Marcos' requirement to utilize draught tolerant and California native plants and naturalized plant palettes when designing and implementing landscaping on all projects in the City of San Marcos. Landscaping within the Plan area has been designed to use specific plants in certain areas of the landscaping. These plants and the applicable planting areas are defined in **Table 7**.

All plants and trees included on the Marcos Specific Plan Plant Material Guidelines have been chosen for their appropriateness to the Specific Plan Area theme, local climate tolerance, soil conditions, and level of maintenance intensity. The selected plants are well suited to the local soils and have proven to flourish within the project area's climate and are consistent with AB 1881 requirements and the City of San Marcos Water Efficient Landscape Ordinance (WELO) and Municipal Code, Title 20. The following guidelines should be applied to all plant materials selected for residential land use planting within the planning area:

1. The plant materials selected should be tolerant of a wide range of temperatures and require very little water consumption.
2. No non-native invasive plant species shall be used per the California Exotic Pest Plant Council List A-1 and California Invasive Plant Council (Cal-IPC).
3. All street trees planted within 10' of public improvements shall have root barriers.

This Plant Material Guidelines should be considered fluid and subject to change, with final approval determined by the City of San Marcos Development Services Department. Should changes be necessary to the Plant Material Guidelines, the newly selected plants and trees should be similar in tolerance and water usage to the conceptual list provided. If those requirements are met, any proposed changes to the Plant Legend shall be considered minor. Details on any proposed changes to the Plant Legend are provided in Chapter 9, Specific Plan Administration.

Table 7 East-End Planning Area Conceptual Plant Palette



Plant List: Trees								
ID	QTY	Category	Latin Name	Common Name	Spacing	Size	Water Use	Comments
GEI PAR	10	Trees	Geijera parvifolia	Australian Willow	20'0"	24" box	Low	Multi
JUG CAL	22	Tree	Juglans californica	California Walnut	15'0"	15 gal	Low	Standard
PIS CHI	34	Trees	Pistacia chinensis	Chinese Pistache	25'0"	24" box	Mod	
PLA RAC	33	Tree	Platanus racemosa	Western Sycamore	35'0"	24" box	Mod	Standard
QUE AGR	43	Tree	Quercus agrifolia	Coast Live Oak	18'0"	24" box	Low	Standard
QUE ENG	20	Tree	Quercus engelmannii	Engelmann Oak	20'0"	24" box	Low	Multi
QUE VIR	10	Tree	Quercus virginiana	Southern Live Oak	18'0"	24" box		STANDARD
SAM NIG	7	Tree	Sambucus nigra ssp. caerulea	Blue Elderberry	15'0"	15 gal	Low	

Plant List								
ID	Qty	Category	Latin Name	Common Name	Spacing	Size	Water Use	Comments
abu pal	47	Shrubs	Abutilon palmeri	Desert Mallow	4'0"	5 gal	Low	
ACH MIL	425	Perennials	Achillea millefolium	Yarrow	1'0"	4"	Low	
Arc how-3	0	Shrubs	Arctostaphylos 'Howard McMinn'	McMinn Manzanita	8'0"	5 gal	Low	
ARI PUR	425	Grasses	Aristida purpurea	Purple Three Awn	2'0"	1 gal	Low	
ART DOU	517	Perennials	Artemisia douglasiana	Douglas Mugwort	2'0"	1 gal	Low	
ASC SPE	1165	Perennial	Asclepias speciosa	Showy Milkweed	1'6"	1 gal	Low	
AST CHI	228	Perennial	Aster chilensis	California Aster	2'0"	1 gal	Mod	
BOT BAR	757	Grass	Bothriochloa barbinodis	Bluestem Grass	3'0"	1 gal	Low	
BOU GRA	160	Grass	Bouteloua gracilis 'Blonde Ambition'	Blue Gramma	2'0"	1 gal	Low	
cal ber	378	Perennial	Calylophus berlandieri	Sundrops	1'0"	1 gal	Low	
CAR PRA	1848	Sedge	Carex praegracilis	California Field Sedge	1'0"	4"	Mod	
CAR SPI	755	Grasses	Carex spissa	San Diego Sedge	2'6"	1 gal	Low	
CAR MAC	167	Shrubs	Carissa macrocarpa 'Green Carpet'	Green Carpet Natal Plum	5'0"	1 gal		Standard
enc cal	115	Perennial	Encelia californica	Brittle Brush	2'6"	1 gal	Low	
enc far	47	Perennial	Encelia farinosa	Brittle Brush	2'6"	1 gal	Low	
EPI BER	219	Perennials	Epilobium 'Bert's Bluff'	California Fuchsia	3'0"	1 gal	Low	
epi eve	91	Perennials	Epilobium 'Everett's Choice'	Everett's California Fuchsia	4'0"	1 gal	Low	
eri con	180	Perennials	Eriophyllum confertiflorum	Golden Yarrow	2'0"	1 gal	Low	
ERI NEV	225	Shrub	Eriophyllum nevinii	Canyon Sunflower	4'0"	1 gal	Low	
ESC CAL	1436	Annual	Eschscholzia californica	California Poppy	1'0"	seed	Low	
gal fir	2	Shrub	Galvesia speciosa 'Firecracker'	Island snapdragon	4'0"	5 gal	Low	
JUN PAT	517	Rush	Juncus patens	Spreading Rush	2'0"	1 gal	Low	
LIP NOD	1	Category	Lippia nodiflora	Kurapia	6"	Flat	low	
lom lon	462	Perennials	Lomandra longifolia 'Breeze'	Breeze(Tm) Dwarf Mat Rush	3'0"	5 gal	low	
MAL CAT	47	Shrub	Malacothamnus fasciculatus	Catalina Bush Mallow	5'0"	1 gal	Low	
MIM AUR	47	Shrub	Mimulus aurantiacus	Monkey Flower	3'0"	1 gal	Low	
muh dub	379	grass	Muhlenbergia dubia	Pine Muhly	3'0"	1 gal	low	
MUH EME	17	Grass	Muhlenbergia emersleyi	Bull Grass	2'6"	1 gal	Low	
MUH RIG	255	grass	Muhlenbergia rigens	Deer Grass	3'0"	1 gal	Mod	
STI PUL	425	Grasses	Nassella pulchra	Purple Needle Grass	1'6"	4"	Low	
PEN SPE	158	Perennial	Penstemon spectabilis	Showy Penstemon	2'0"	1 gal	Low	
Rha mou	31	Shrubs	Rhamnus californica 'Mound San Bruno'	California Coffee Berry	5'0"	5 gal	Low	
RIB MAL	16	Shrub	Ribes malvaceum	Chaparral Currant	5'0"	5 gal	Low	
rib spe	88	Shrub	Ribes speciosum	Fuchsia-Flowered Gooseberr	5'0"	5 gal	Low	
sal bee	6	Shrub	Salvia 'Bee's Bliss'	Bee's Bliss Sage	6'0"	1 gal	Low	
SAL CHA	47	Shrub	Salvia chamedryoides 'Marine Blue'	Marine Blue Sage	3'0"	5 gal	Low	
SAL WIN	15	Shrubs	Salvia clevelandii 'Winifred Gilman'	Winifred Gilman Sage	4'0"	5 gal	Low	
SAL GRA	6	Shrub	Salvia 'Gracias'	Bee's Bliss Sage	6'0"	1 gal	Low	
sal poz	93	Shrubs	Salvia 'Pozo Blue'	Pozo Blue Sage	4'0"	5 gal	Low	
sal spa	184	Perennials	Salvia spathacea	Hummingbird Sage	1'6"	1 gal	Low	
SOL XAN	78	Category	Solanum xanti	Purple nightshade	4'0"	1 gal	Low	
SPH AMB	140	Shrubs	Sphaeralcea ambigua 'Louis Hamilton'	Apricot Mallow	3'0"	5 gal	Low	
SPO AIR	425	Grass	Sporobolus airoides	Alkali Sacaton	2'6"	1 gal	Low	
SPO WRI	225	Grass	Sporobolus wrightii	Sacaton	5'0"	5 gal	Low	
THA FEN	238	Perennials	Thalictrum fendleri v. polycarpum	Western Meadowrue	2'0"	1 gal	Mod	

4.1.7.3 Walls and Fences

Generally, walls and fences function in six (6) ways; they shall act as aesthetic boundaries for open space, sound attenuation, retaining barriers along roadways or lots, safety fencing around recreational areas, privacy fencing, and security fencing around preserved open space. Fence and wall types allowed within the Specific Plan Area include tubular steel, masonry block/earth-tone color, living hedge, wood, and post and rail fencing with wire mesh around conservation open space. Wall and fencing materials may be substituted with other wall and fence types and materials upon review and approval by the Development Services Department. The following guidelines should be applied to any walls or fencing within the Specific Plan area:

1. Walls and fencing should also be designed in such a way as to become a visual amenity.
2. Walls and fencing should be compatible with the surrounding natural landscapes, colors, and materials.
3. Standard masonry walls and masonry retention walls are suitable as retaining walls in areas where engineering requires more stability and strength.
4. Split-faced block walls in earth tones and textured materials including smooth stucco are required for any walls visible to a public street.

Table 8 East-End Planning Area Wall and Fence Materials

Wall and Fence Type	Application
Tubular Steel	Perimeter, adjacent to open space areas
Masonry Block	Sound attenuation, Retaining, ABC control areas
Living Hedge	Common walkways/Patios
Wood	Common walkways/Patios/ABC control areas
Vinyl	Common walkways/Patios/ABC control areas
Split-Rail Wood Fence with 2" x 2" wire mesh	Perimeter; adjacent to conservation open space areas

4.1.7.4 Signs

Signs are permitted within the Specific Plan area and shall be subject to the City of San Marcos sign code except as described herein.

1. Signs should attempt to incorporate a cohesive design and appearance with building architecture.
2. A Sign Program shall be approved by the Development Services Department for the East-End Planning Area.

4.1.7.5 Lighting

Lighting within the East-End Planning Area shall be used to accent landscaping and provide safety and accent lighting for building clusters. The following guidelines shall be incorporated into all lighting plans:

1. All lighting within the Plan area shall be energy efficient, architecturally appropriate fixtures designed to minimize glare, conflict, and light pollution, while providing illumination levels that create a safe environment for both vehicles and pedestrians.
2. All areas will be aptly lit to coincide with their relevant use and activities.
3. Street lighting will be full cut-off fixtures and will utilize side shields to reduce light trespass and prevent light pollution.
4. Lighting using the highest efficiency fixtures and lamps are preferred.

Conceptual lighting locations are illustrated in **Figure 24**. During the construction drawing phase, the builders will submit drawing details providing light fixtures (cut sheets) to the City of San Marcos for conformance with the lighting ordinance and standards.

Table 9 East-End Planning Area Conceptual Lighting Types

Fixture	Description	Application
Bollard Lighting	2'-4' pedestrian lights	Walks, Pathways, Trails
In-Grade Well Lighting	In-grade ground lighting	Landscape accents
Linear LED lighting	Concealed LED lighting runs	Pathways, Patios, Gathering Spaces, Architectural Features
Post Mount Light	Pole mounted area lighting	Parking and Area Lighting
String Light	Overhead string lighting strands	Pathways, Patios, Gathering Spaces
Wall Mounted Light	Wall mounted area lighting	Walks, Pathways, Trails, Patios, Gathering Spaces

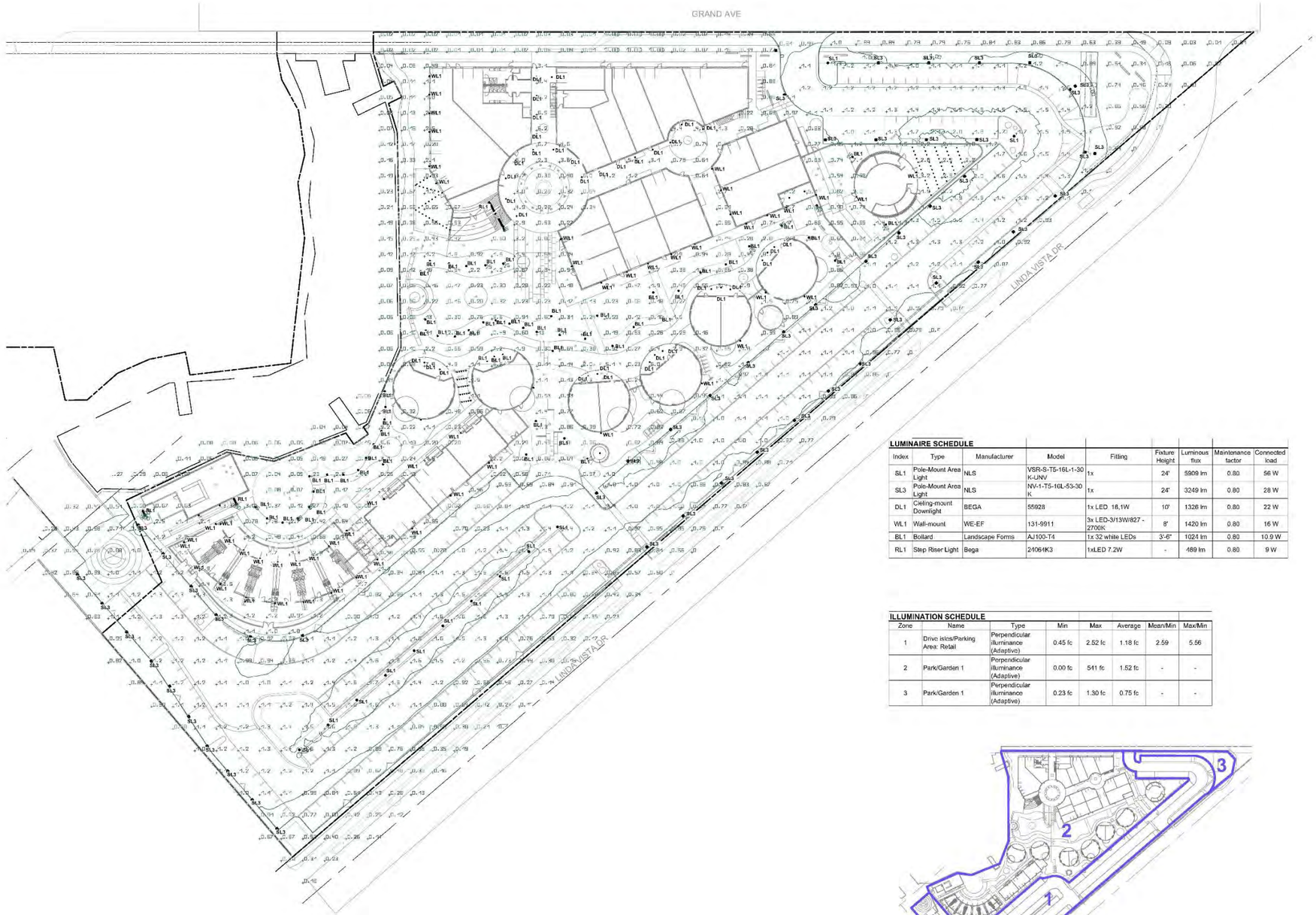
4.1.8 Parking

East-End Planning Area shall develop a Shared Parking Analysis and Parking Management Plan to determine the parking capacity required based on proposed uses. Based on the information provided in the Shared Parking Analysis a total of 277 parking spaces will be sufficient to service the needs of all uses included in the Planning Area, however the East-End Planning Area will provide 278 parking spaces.

Table 10 East-End Planning Area Parking Schedule

Parking	Total	Application
Regular Spaces	196	9' x 18' or 9' 16' with 2' overhang
ADA Stalls[1]	10	12' x 18' + 5' loading area
Carpool	5	9' x 18' or 9' x 16' + 2' overhang
Compact parking	45	8.5' x 16'
Electric Vehicle Charging Spaces[1]	14	9' x 18' or 9' x 16' + 2' overhang
Reserved (live/work)	7	9' x 18' or 9' x 16' + 2' overhang
Rideshare	2	9' x 18' or 9' x 16' + 2' overhang
City Maintenance	1	9' x 18'
Total	**278**	

[1]2 van accessible spaces are included in the Electric vehicle charging spaces totals.

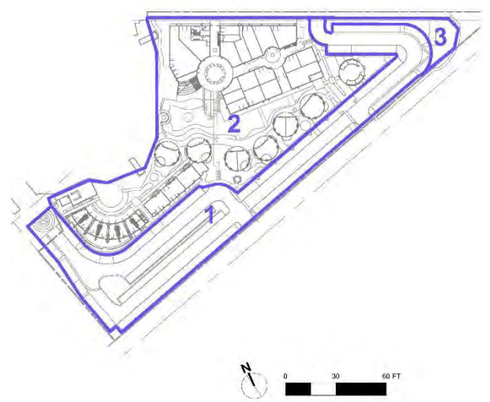


LUMINAIRE SCHEDULE

Index	Type	Manufacturer	Model	Fitting	Fixture Height	Luminous flux	Maintenance factor	Connected load
SL1	Pole-Mount Area Light	NLS	VSR-S-T5-16L-1-30 K-UNV	1x	24'	5909 lm	0.80	56 W
SL3	Pole-Mount Area Light	NLS	NV-1-T5-16L-53-30 K	1x	24'	3249 lm	0.80	28 W
DL1	Cieling-mount Downlight	BEGA	55928	1x LED 18.1W	10'	1326 lm	0.80	22 W
WL1	Wall-mount	WE-EF	131-9911	3x LED-3/13W/827 - 2700K	8'	1420 lm	0.80	16 W
BL1	Bollard	Landscape Forms	AJ100-T4	1x 32 white LEDs	3'-6"	1024 lm	0.80	10.9 W
RL1	Step Riser Light	Bega	24064K3	1xLED 7.2W	-	489 lm	0.80	9 W

ILLUMINATION SCHEDULE

Zone	Name	Type	Min	Max	Average	Mean/Min	Max/Min
1	Drive isles/Parking Area: Retail	Perpendicular illuminance (Adaptivo)	0.45 fc	2.52 fc	1.18 fc	2.59	5.56
2	Park/Garden 1	Perpendicular illuminance (Adaptive)	0.00 fc	541 fc	1.52 fc	-	-
3	Park/Garden 1	Perpendicular illuminance (Adaptive)	0.23 fc	1.30 fc	0.75 fc	-	-



Conceptual Eastend Planning Area Lighting Plan

Figure 24

4.2 West-End Planning Area Design Standards

The West-End Planning area design standards are meant to aid in the development of design drawings for multi-family residential dwelling units, common and recreational open space areas, private open space area, and guest parking and driveways incorporated in the Planning Area.

4.2.1 Architectural Style

Two architectural styles are proposed to be included within the West-End Planning Area: regency and mission revival. These styles were selected for their popular representation in Southern California architecture. The regency architectural style interprets classical forms by incorporating a white color palette, formal gables, simple ornamentation, flat tile roofs, and arched openings **Figure 26 and Figure 27**. The mission revival architectural style utilizes thick walls with small accent windows and battered openings, scalloped parapets, Spanish accents, wood trim and decorative panels, white-washed walls, wood shutters, sloped sills, and clerestory windows **Figure 28 and 29**. Other similar styles may be selected for the West-End Planning Area if they include a style representative of the area and are approved by the Planning Director.

4.2.2 Building Materials, Accents, Colors

Building materials and colors contribute to the visual impact of residential buildings. Therefore, materials and colors should be carefully considered based on several factors that complement and enhance the immediate surrounding environment as well as the wider community. Materials and colors should substantially complement the architectural styles chosen for the Planning Area. Materials such as decorative lighting, tile inserts, metal railings, stucco, stucco accents and trims, wood rafter tails, wood shutters, and other similar materials should be utilized to accent and complement the building form and architectural style.

4.2.3 Floor Plan Summary

Floor plans for the West-End Planning Area have been developed to provide an efficient and varied building layout. Floor plans may make up a minimum of four-plex (4) buildings and a maximum of ten-plex (10), however deviations to the building makeup shall be allowed upon review and approval by approval by the Planning Director. A minimum of six (6) different floor plans should be included within the West-End Planning Area with minor variations of Plan One unit patio space. The Planning Area should include 2-3 bedrooms and 2-3.5-bathrooms in the form of flats, townhome, and carriage style two (2), and three (3) story dwelling units to maximize efficiency and options on size and affordability.

Table 11 Conceptual West-End Planning Area Floor Plan Summary

Floor Plans	No. of Units
Floor Plan Variation	Min. of six (6) Floor Plans
Min. Floor Plan SF	1,000 SF
max. Floor Plan SF	1,800
min. Bldg. Composition	Min. 4-Plex.
Max. Bldg. Composition	Max. 10-Plex

4.2.4 Massing and Scale

Massing and scale provide the visual identity between residential dwelling units and the environment. Those qualities help dictate the placement, size, and form for multi-family residential buildings within the West-End Planning Area. Building type placement within the West-End Planning Area should achieve the best possible groupings oriented around Las Posas Creek and Grand Avenue frontage, as well as provide transition massing between the neighboring industrial structures, thereby enhancing the visual character of the neighborhood. Floor plans for the West-End Planning Area may be grouped into multiple building configurations to aid in the efficiency of the site plan. Incorporation of the following design concepts should be considered for the architecture within the Specific Plan Area:

1. Utilize building-form massing elements, such as angles, towers, and other building elements to distinguish architecture,
2. Vertically and horizontally articulate building design for both front and rear elevations through architectural design elements such as, but not limited to, windows, and off-set roof planes,
3. Use second floor massing changes to create variation in the building form; and
4. Where possible avoid the use of long unbroken surfaces.

Conceptual Westend Planning Area Floor Plans Figure 25

Marcos Specific Plan

FRONT ELEVATION

1. CONCRETE ROOF TILE
2. STUCCO WALL FINISH
3. WOOD RAFTER TAILS
4. EYEBROW ROOF WITH WOOD BRACKET
5. DECORATIVE TILED STAIR RISERS
6. STUCCO HEAD TRIM
7. RECESSED WINDOWS
8. DECORATIVE RECESSED GABLE VENT
9. DECORATIVE TILE INSET
10. METAL RAILING
11. WOOD SHUTTERS

7-PLEX BUILDING - ELEVATION A

Conceptual Westend Planning Area Regency Front Elevation Figure 26

PLAN 6
LEFT ELEVATION

PLAN 5
RIGHT ELEVATION

REAR ELEVATION
7-PLEX BUILDING - ELEVATION A

0 2' 8'

Conceptual Westend Planning Area Regency Side/Rear Elevation Figure 27

1. CONCRETE ROOF TILE
2. STUCCO WALL FINISH
3. WOOD RAFTER TAILS
4. SCULPTURED PARAPET & BATTERED WALL
5. EYEBROW ROOF WITH WOOD BRACKET
6. DECORATIVE TILED STAIR RISERS
7. STUCCO SILL TRIM
8. RECESSED WINDOW
9. FIXED BARN SHUTTERS
10. WOOD TRELLIS
11. DECORATIVE PANEL
12. STUCCO HOOD
13. DECORATIVE RECESSED GABLE VENT
14. DECORATIVE TILE INSET
15. METAL RAILING
16. WOOD POST
17. SCULPTURED BATTERED RECESSED WINDOW

FRONT ELEVATION

7-PLEX BUILDING - ELEVATION B

0 2' 8'

Conceptual Westend Planning Area Mission Revival Front Elevation Figure 28

PLAN 6
LEFT ELEVATION

PLAN 5
RIGHT ELEVATION

PLAN 3 PLAN 2 PLAN 1 PLAN 4 PLAN 3 PLAN 3 PLAN 6

REAR ELEVATION

7-PLEX BUILDING - ELEVATION B

0 2' 8'
1" 4' 16'

Conceptual Westend Planning Area Mission Revival Side/Rear Elevation Figure 29

4.2.5 Landscape design

To assure development of an attractive and cohesive community the following landscape guidelines have been provided. A landscape concept for the project can be seen in **Figure 30, Conceptual West-End Planning Area Landscape Plan**. Developers and/or builders will use the following information on the design, materials, lighting, and themes, which shall be incorporated into the Marcos Specific Plan Area. Although provided, the following information should be considered conceptual in nature. Minor changes may be necessary due to changing material guidelines, design theme modifications, or changes to State or local regulations. Final landscape design shall be approved by City of San Marcos Development Services Department.

Irrigation within the Specific Plan Area shall utilize the following:

1. Install automatic controllers which feature evapotranspiration or moisture sensing data, with manual and automatic shut-off.
2. Low volume heads, subsurface irrigation system designed to prevent runoff, low head drainage, and overspray.
3. Group plants by hydrozones and irrigate hydrozones separately.

4.2.5.1 Hardscape, Pavers, and Walkways

Hardscaping and groundcover materials for the West-End Planning Area will utilize materials suitable for residential areas and will include sidewalks, pathways, and decomposed granite materials for groundcover areas. Other materials may be allowed as approved by the Planning Director.

1. Materials allowed within the Planning Area may include concrete, permeable pavers, rock mulch, and decomposed granite.
2. Hardscape materials should utilize colors native to the area.

Table 12 West-End Planning Area Hardscape Materials

Material	Color	Application
Concrete	Coral Buff, Earth Tone's, Sandstone	Parking Areas, Pathways, Patios
Decomposed Granite	California Gold, Desert Gold, other Earth Tones	Landscape Groundcover, Patios, Walkways
Permeable Paver	Earth Tone's	Tree Wells
Rock Mulch	Earth Tones	Landscape Groundcover

Plant List: Trees

ID	Qty	Size	Latin Name
ACA STEN	8	24" BOX	Acacia stenophylla
BRA ARM	11	36" box	Brahea armata
CHI TAS	8	24" box	Chitalpa tashkentensis 'Pink Dawn'
EUP AMA	6	15 gal	Euphorbia'Ammak'
GEI PAR	6	36" box	Geijera parvifolia
JUG CAL	10	15 gal	Juglans californica
PIS CHI	33	24" box	Pistacia chinensis
PLA RAC	47	24" box	Platanus racemosa
QUE AGR	2	24" box	Quercus agrifolia
QUE SUB	38	24" box	Quercus suber

Conceptual Westend Planning Area Landscape Plan

Figure 30

4.2.5.2 Plant Material Guidelines

The Plant Material Guidelines provided below in **Table 13** is intended to provide developers and/or builders of the Marcos Specific Plan Area with guidelines for landscape plantings of locations such as entries, streetscapes, biofiltration basins, and common open space areas. Plan materials selected for the project area should be chosen based on a multitude of factors and should strengthen the overall character of the community.

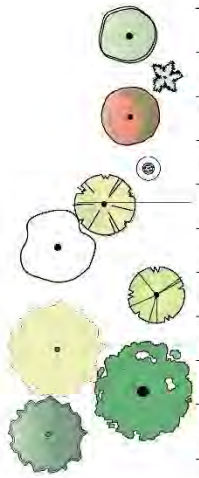
Plants used in the Marcos Specific Plan will be subdivided into two (2) categories. The first category includes general residential area landscaping, while the second category covers slope plantings if slopes are included within the planning areas. These plants will conform to the City of San Marcos' requirement to utilize draught tolerant and California native plant palettes when designing and implementing landscaping on all projects in the City of San Marcos. Landscaping within the Plan area has been designed to use specific plants in certain areas of the landscaping. These plants and the applicable planting areas are defined in **Table 13**.

All plants and trees included on the Marcos Specific Plan Plant Material Guidelines have been chosen for their appropriateness to the Specific Plan Area theme, local climate tolerance, soil conditions, and level of maintenance intensity. The selected plants are well suited to the local soils and have proven to flourish within the project area's climate and are consistent with AB 1881 requirements and the City of San Marcos Water Efficient Landscape Ordinance (WELO) and Municipal Code, Title 20. The following guidelines should be applied to all plant materials selected for residential land use planting within the planning area:

1. The plant materials selected should be tolerant of a wide range of temperatures and require very little water consumption.
2. No non-native invasive plant species shall be used per the California Exotic Pest Plant Council List A-1 and California Invasive Plant Council (Cal-IPC).
3. All street trees planted within 10' of public improvements shall have root barriers.

This Plant Material Guidelines should be considered fluid and subject to change, with final approval determined by the City of San Marcos Development Services Department. Should changes be necessary to the Plant Material Guidelines, the newly selected plants and trees should be similar in tolerance and water usage to the conceptual list provided. If those requirements are met, any proposed changes to the Plant Legend shall be considered minor. Details on any proposed changes to the Plant Legend are provided in Chapter 9, Specific Plan Administration.

Table 13 West-End Planning Area Conceptual Plant Palette



Plant List: Trees

ID	Qty	Size	Latin Name	Common Name	Water Use	Comments
ACA STEN	8	24" BOX	Acacia stenophylla	Shoestring Acacia	low	standards
BRA ARM	11	36" box	Brahea armata	Blue Hesper Palm	Low	
CHI TAS	8	24" box	Chitalpa tashkentensis 'Pink Dawn'	NA	Low	Standard trunk
EUP AMA	6	15 gal	Euphorbia'Ammak'	Candelabra Tree	Low	
GEI PAR	6	36" box	Geijera parvifolia	Australian Willow	Low	Multi
JUG CAL	10	15 gal	Juglans californica	California Walnut	Low	Standard trunk
PIS CHI	33	24" box	Pistacia chinensis	Chinese Pistache	Mod	
PLA RAC	47	24" box	Platanus racemosa	Western Sycamore	med	Standard trunk
QUE AGR	2	24" box	Quercus agrifolia	Coast Live Oak	Low	Standard trunk
QUE SUB	38	24" box	Quercus suber	Cork Oak	Low	Standard trunk

NOTE: RIGHT OF WAY TREES TO BE A COMBINATION OF PISTACHIA CHINENSIS AND QUERCUS VIRGINIANA (24" BOX)

Plant List

ID	Qty	Category	Latin Name	Common Name	Spacing	Size	Water Use	Comments
abu pal	237	Shrubs	Abutilon palmeri	Desert Mallow	4.00	5 gal	Low	
aeo pal	10	cacti-succulents	Aeonium 'Palmense'	Green Aeonium	1.50	1 gal	Low	
alo blu	140	Cacti-Succulents	Aloe Blue Elf	Aloe	1.50	1 gal	Low	
alo bre	140	Cacti-Succulents	Aloe brevifolia	Short leaved Aloe	2.50	1 gal.	Low	
ALO ERI	35	Cacti-succulents	Aloe Erik The Red	Hybrid Aloe	2.50	5 gal	Low	
ALO HER	3	Cacti-succulents	Aloe 'Hercules'	Hercules Aloe	4.00	15 gal	Low	
ART DOU	160	Perennials	Artemisia douglasiana	Douglas Mugwort	3.00	1 gal	Low	
AST CHI	183	Perennial	Aster chilensis	California Aster	2.00	1 gal	Low	
cal ber	1897	Perennial	Calylophus bertandieri	Sundrops	1.50	1 gal	Low	
CAR PRA	2353	Sedge	Carex pragracilis	California Field Sedge	1.00	4"	Mod	
CAR SPI	343	Grasses	Carex spissa	San Diego Sedge	2.50	1 gal	Low	
CAR MAC	122	Shrubs	Carissa macrocarpa 'Green Carpet'	Green Carpet Natal Plum	5.00	1 gal		Standard
CEA FRO	7	Shrubs	Ceanothus 'Frosty Blue'	Frosty Blue Ceanothus	12.00	5 gal	Low	
CLE LIG	6	Vine	Clematis ligusticifolia	Creek Clematis	2.00	1 gal	Low	
Cot orb	230	Cacti-Succulents	Cotyledon orbiculata var. oblonga 'Flavida	Finger Aloe	2.00	1 gal	Low	
cra blu	35	cacti-succulents	Crassula 'Blue Bird'	NA	2.00	2 gal	Low	
DAS WHE	16	Cacti-Succulents	Dasylirion wheeleri	Silver Desert Spoon	5.00	5 gal	Low	
dud has	1039	Succulent	Dudleya hassei	Catalina Island Live Forever	1.00	1 gal	Low	
enc cal	95	Perennial	Encelia californica	Brittle Brush	2.50	1 gal	Low	
enc far	9	Perennial	Encelia farinosa	Brittle Brush	2.50	1 gal	Low	
eup mau	25	Cacti-Succulents	Euphorbia mauritanica	Pencil Milkbush	6.00	1 gal	Low	
EUP RES	0	Cacti-Succulents	Euphorbia resinifera	Moroccan Mound	6.00	5 gal	Low	
EUP AMA	10	Cacti-Succulents	Euphorbia'Ammak'	Candelabra Tree	6.00	15 gal	Low	
FIC PUM	55	Vine	Ficus pumila 'Minima'	Dwarf Creeping Fig	10.00	1 gal	Mod	Staked
GRE OCC	44	Shrubs	Grewia occidentalis	Lavender Starflower	6.00	5 gal	Mod	
hel ita	228	Shrubs	Helichrysum italicum	Curry Plant	3.00	1 gal	Low	
JUN PAT	160	Rush	Juncus patens	Spreading Rush	2.00	1 gal	Low	
lom lon	336	Perennials	Lomandra longifolia 'Breeze'	Breeze(Tm) Dwarf Mat Rush	3.00	5 gal	low	
MIM AUR	9	Shrub	Mimulus aurantiacus	Monkey Flower	3.00	1 gal	Low	
MUH RIG	183	grass	Muhlenbergia rigens	Deer Grass	3.00	1 gal	Mod	
osc del	227	Cacti-Succulents	Oscularia deltoides	Pink Iceplant	2.00	1 gal	Low	
ped bra	25	Cacti-Succulents	Pedilanthus bracteatus	Tall Slipper plant	2.00	5 gal	Low	
PEN SPE	33	Perennial	Penstemon spectabilis	Showy Penstemon	2.00	1 gal	Low	
por afr	140	Cacti-Succulents	Portulacaria afra minima	Dwarf Elephant Food	1.50	1 gal	Low	
Rha mou	22	Shrubs	Rhamnus californica 'Mound San Bruno'	California Coffee Berry	5.00	5 gal	Low	
RIB MAL	12	Shrub	Ribes malvaceum 'Ortega Beauty'	Chaparral Currant	5.00	5 gal	low	
rib spe	53	Shrub	Ribes speciosum	Fucshia-Flowered Gooseberi	5.00	5 gal	Mod	
ros cec	27	Vines	Rosa 'Cecile Brunner'	Cecile Brunner Rose	8.00	5 gal	Low	
ros cec	9	Vines	Rosa 'Cecile Brunner'	Cecile Brunner Rose	2.00	5 gal	Low	
ros rob	765	Shrubs	Rosmarinus officinalis 'Roman Beauty'	Roman Beauty Rosemary	3.00	1 gal	Low	
SAL CHA	237	Shrub	Salvia chamerdryoides 'Marine Blue'	Marine Blue Sage	3.00	5 gal	Low	
SAL WIN	3	Shrubs	Salvia clevelandii 'Winifred Gillman'	Winifred Gillman Sage	4.00	5 gal	Low	
Sal gre	228	Perennials	Salvia gregii 'Furman's Red'	Texas Sage	3.00	1 gal	Low	
sal spa	438	Perennials	Salvia spathacea	Hummingbird Sage	1.50	1 gal	Mod	
SAL SIE	17	Shrubs	Salvia x jamensis 'Sierra de San Antonio'	Sage	2.50	5 gal	Low	
sed pal	140	Cacti-Succulents	Sedum palmeri	Palmers Sedum	1.50	1 gal	Low	
SOL XAN	31	Shrub	Solanum xantii	Purple nightshade	4.00	1 gal	Low	
SPH AMB	237	Shrubs	Sphaeralcea ambigua 'Louis Hamilton'	Apircot Mallow	3.00	5 gal	Low	
THA FEN	183	Perennials	Thalictrum fendleri v. polycarpum	Western Meadowrue	2.00	1 gal	Mod	
VIT CAL	54	Vines	Vitis californica 'Roger's Red'	Roger's Red Grape	10.00	1 gal	Low	Train on steel cable espalier
yuc bri	10	Cacti-succulents	Yucca filamentosa 'Bright Edge'	Soft-leaved Yucca	3.00	5 gal	Low	
yuc rec	35	Cacti-succulents	Yucca recurvifolia	Soft-leaved Yucca	3.00	5 gal	Low	

4.2.6 Open Space Design Standards

Open space design for the West-End Planning Area should provide adequate space and include a high-quality design for both common area recreational and landscape design as well as adequate private open space area.

Table 14 West-End Planning Area Open Space Summary

Type of Open Space	Min. Required (SF)	
Common Open Space	8,374 SF	
Private Open Space	10,500 SF	
Biofiltration Basins	As Required	
Children's Play Area	2, 432 SF	

4.2.6.1 Common Area Recreational Amenities

A minimum of 8,374 sf. of common recreational area is required to be provided for the West-End Planning Area. Additionally, within the required common open space provided by the West-End Planning Area a minimum of 1,632 sf of tot lot play area and an additional 800 sf of playground area shall be included. A minimum of three (3) recreational amenities should be chosen based on information found in Section 3.6.2.3 B. 6.

Table 15 Potential West-End Planning Area Recreational Amenities

Amenity	Description
Barbeque Area	Barbeque stations with picnic bench seating
Exercise Areas	Exercise stations, gyms, etc.
Pet Play Areas	Pet relief and pet play areas
Fire Pit Area	Fire pit areas with seating
Open Space Games	Bocce ball, horseshoes, badminton, volleyball
Open Turf Area	Turf area for lawn games and general recreation
Picnic Bench Seating	Picnic benches throughout Planning Area
Pool and Spa Area	Pool area with bathroom building
Playgrounds/Tot Lots	Boulder and log tot lots and children's play areas
Walkways	Meandering walkway adjacent to Las Posas Creek

Children's play amenities should incorporate natural looking features to blend with the adjacent Las Posas Creek. Play feature should consider the following:

1. Natural earthwork shapes should be incorporated into the play area design such as mounding earthen berms and meandering turf areas.
2. Play equipment should incorporate features such as climbable rocks and boulders, reclaimed logs placed in play formations, hollow logs, ropes, and other similar play structures.

Westend Planning Area Open Space

Figure 31

Marcos Specific Plan

4.2.6.2 Walls, Fences, Monuments

The information provided in this section should be used as a guide when designing any walls, fences, or monuments to be included within the West-End Planning Area.

1. Wall and fence design approved materials include wood, vinyl, stone, masonry, brick, block, stucco, living hedge, post and rail, and tubular steel. Comparable materials are permitted subject to approval by the Planning Director. Split-Rail fencing with 2" x 2" wire mesh may be permitted along the exterior perimeter of the Las Posas Creek open space as directed by jurisdictional agencies. Information on allowable fence type within the Las Posas Creek Planning Area and details of the creek fencing may be viewed in **Section 4.3**.
2. Prohibited materials include barbed wire, razor wire, concertina, corrugated metal and plastic, tarps, and electrified wire of any kind or configuration.
3. If included, monument design should incorporate similar materials to the overall landscape palette.

4.2.7 Private Open Space

Private open space within the Planning Area constitutes private patios, covered porches, and decks for individual dwelling units. Ground floor dwelling units and units with ground floor living area are required to have a patio and units with living area on the second (2nd) floor and above require balconies. The minimum required private open space equates to 8,374 SF. Units requiring patio space should provide a minimum of 90 SF. Units requiring deck space should provide a minimum of 50 SF.

4.2.8 Parking

Each Dwelling unit for the West-End Planning Area shall provide two garage parking spaces. Tandem garages are permitted on up to 20% of the total units. Each garage shall be equipped with a level 2 EV charger. Guest spaces shall include two (2) ADA spaces and their loading areas, and four (4) electric vehicle charging spaces. 20% of guest spaces may be compact spaces.

Table 16 West-End Planning Area Parking Schedule

Parking	Total	Application
Garage	204	20' x 20' 2-car garage
Tandem Garage[1]	48	12' x 40' 2-car tandem garage
Garage EV	102	Each garage equipped with level 2 EV charger
Guest, Standard	26	9'x 18' or 9' x 16' + 2' overhang
Guest ADA	2	12' x 18' + 5' loading area (van accessible) or 9' x 18' + 5' loading area (standard accessible)
Guest Electric Vehicle Charging Space[2]	4	2 standard stalls and 2 compact stalls
Guest, Compact	6	8.5'x 16'
Postal Service[3]	1	9' x 18'
Total	**238**	

[1]Included in garage totals.
[2]EV parking stall totals included in guest space totals.
[3]Postal space shared with guest parking.

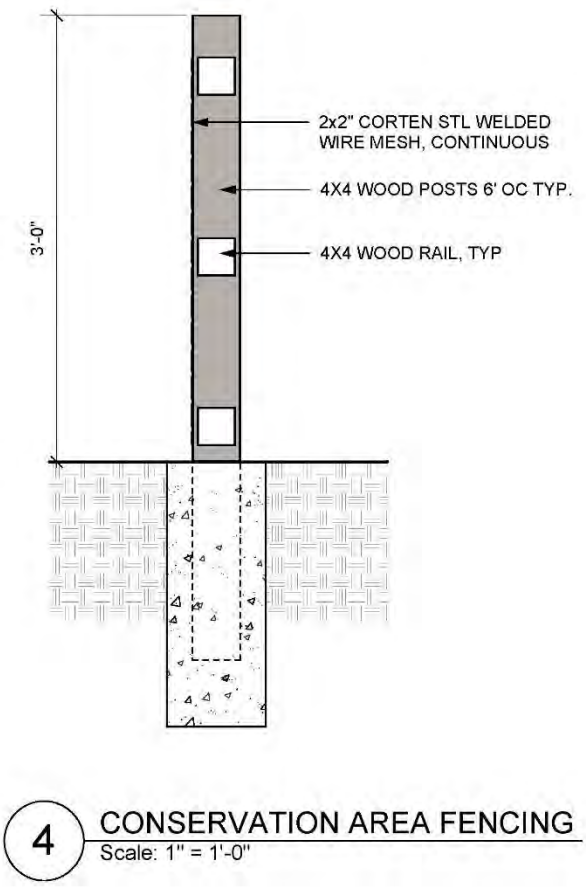
4.3 Las Posas Creek Planning Area Design Standards

The Las Posas Creek Planning Area totals approximately 0.98-acre and is comprised of a total of two (2) lots. Lot 1 is approximately 0.237-acre and Lot 2 is approximately 0.738-acre with both lots bisected by a bridge which is within the East-End Planning Area. As mentioned in **Section 3.4,** the only approved land use within the Las Posas Creek Planning Area is conservation open space. The only approved development allowed within the Planning Area are the existing storm drain structures. Fencing shall be installed along the perimeter of the Planning Area to prevent intrusion into the conservation easement.

4.3.1 Fencing

The only allowed fencing in the Planning Area may occur along the perimeter of the conservation easement to the Las Posas Creek Planning Area. The fence type shall be Split-rail wood fence with 2" x 2" wire mesh, or a combination thereof consistent with Negative Declaration 09-789. Prior approval of the fencing location and final fence type and design must be secured by the City of San Marcos and the responsible wildlife jurisdictional agencies.

Figure 32 Conservation Area Perimeter Fence Detail



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Chapter 5: Circulation Plan

5 Circulation Plan

The Circulation Plan is an integrated component of the Specific Plan and facilitates an interconnected mobility system for bicycles, pedestrians, and vehicles. The Circulation Plan provides developers with the blueprint for designing safe and efficient movement within the Specific Plan Area, secondary access, and emergency vehicle access, connections to existing roadways within the vicinity of the Plan area, and access to regional arterial and highway networks. A minimum 24-foot width curb to curb private internal driveway provides connections to all East-End Planning Area driveways while the West-End Planning Area shall feature a 20' minimum alley and all other internal roadways featuring a 24' minimum drive surface.

5.1 External Roadways

The Specific Plan is bounded by two (2) external roadways: Linda Vista Drive traversing northeast to southwest and Grand Avenue traversing east to west. The Grand Avenue roadway surface fronting the Specific Plan Area is currently constructed to the ultimate width and will require improvements to the parkway, bicycle, and pedestrian facilities only. Linda Vista Drive will be constructed to a complete street design including improvements to lane configurations, parkway area, bicycle lanes, pedestrian path of travel, and loading/pick-up/drop-off zones.

Table 17 External Roadway ROW Improvements

Roadway Type	Exist. ROW Width	Proposed ROW Width	Pavement Width (feet)	Vehicle Lanes	Parking	Minimum Pedestrian Component
Grand Avenue	66'	82' Includes a 10' landscaped median.	48'	4	No	17'min, urban trail. 5.5' landscaped buffer, 6' bike lane, 5' pedestrian walk with a varied 0.5' landscaped strip
Linda Vista Drive	66'	66'	40'	2	Yes	16' urban trail. 3' landscaped parkway, 6' bike lane, 5' pedestrian walk, 2' landscape strip

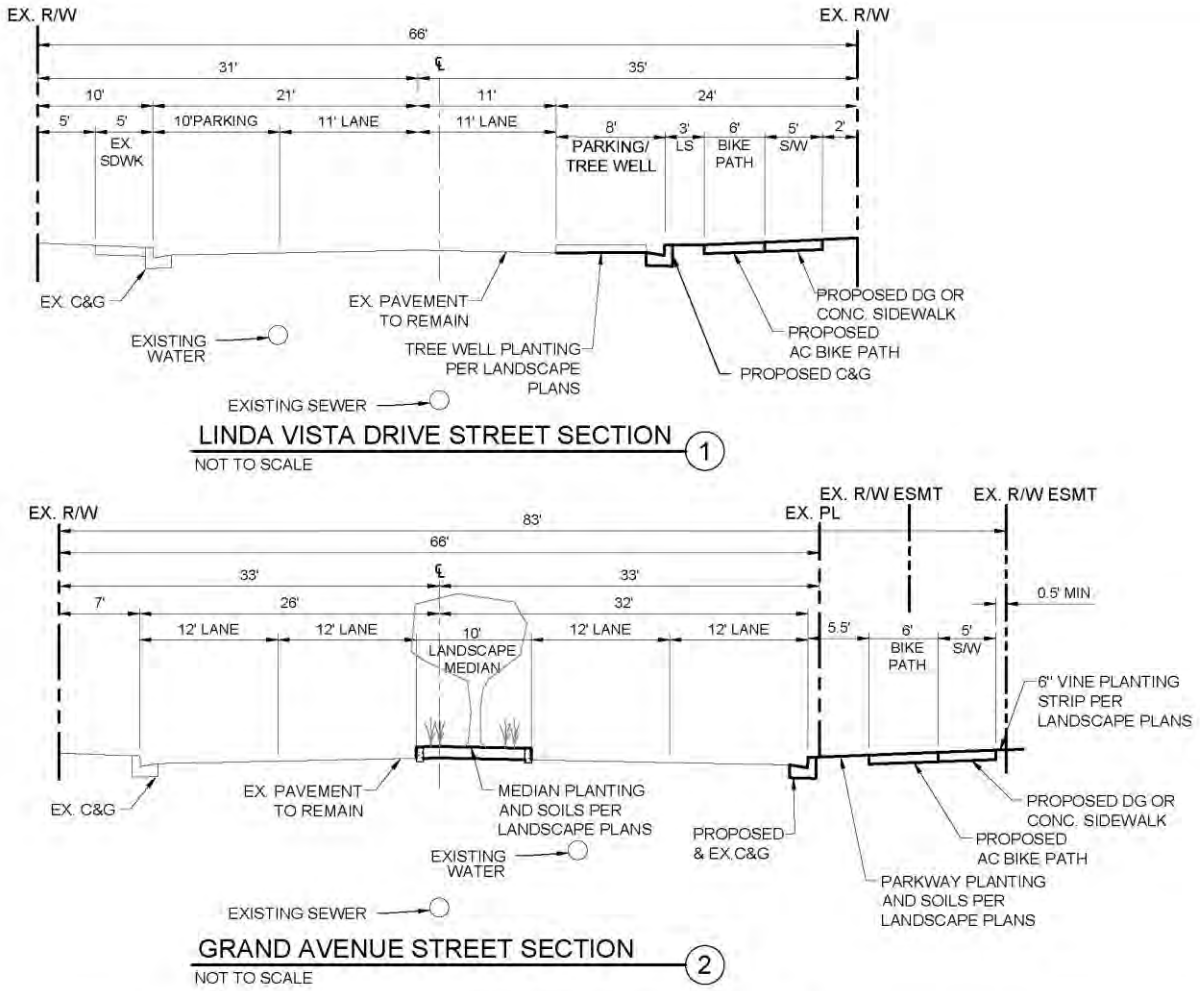
5.1.1 Grand Avenue

As mentioned above, Grand Avenue's roadway surface is currently constructed to the ultimate width and improvements for this section will come in the form of public trail improvements. Those improvements include construction of a minimum five and a half (5.5) feet of landscape buffer followed by a six (6) foot Class IV bike path, five (5) foot sidewalk or decomposed granite trail section, and a minimum of one half (0.5) foot landscape strip. Additionally, a ten (10) foot landscaped center median will be constructed

dividing east and westbound lanes. The proposed Class IV bike path transitions the current on-street bike facilities on Grand Avenue to a physically separated bike lane within the multi-purpose trail component for the Specific Plan Area. These improvements facilitate a safer bicycle lane along the Plan Area's frontage and help facilitate a safer and more connected bicycle network city-wide.

5.1.2 Linda Vista Drive

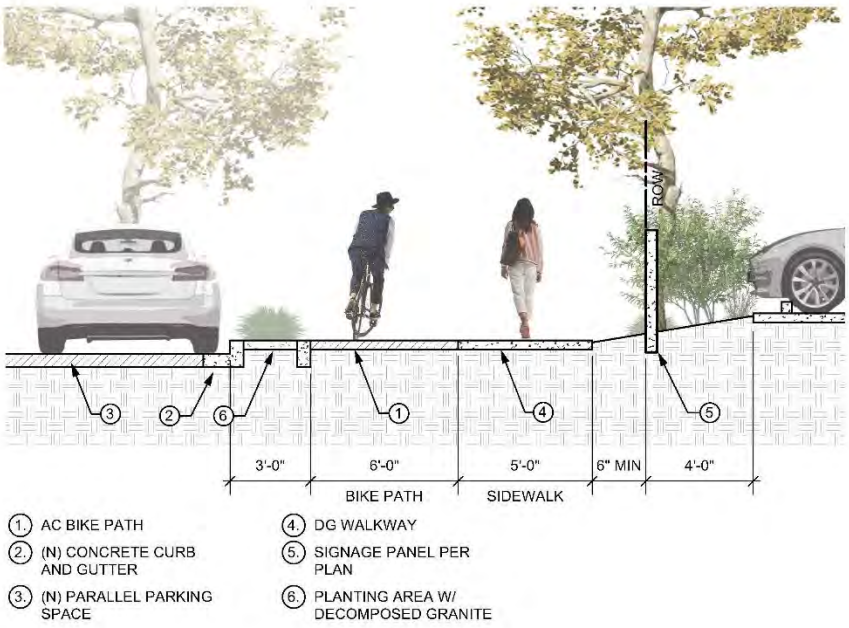
Linda Vista Drive will construct a complete street improvement to the Specific Plan side of the road which includes a bike and pedestrian sidewalk component and landscape parkway separated from vehicular lanes. Those improvements include construction of a five (3) foot landscape parkway followed by a six (6) foot Class IV bike path, five (5) foot sidewalk or decomposed granite trail section, and two (2) feet of additional landscape parkway. The Class IV bike lane planned for Linda Vista Drive is consistent with the General Plan Mobility Element's call for at least a Class II bike lane. The Class IV bike lane will separate bicyclists from vehicles with a physical barrier incorporated in the planned multi-purpose trail along the frontage and transitioning back to the on-street bike lane south of the Specific Plan Area. On-street parking will be maintained along the Plan Area frontage on Linda Vista Drive and will add tree pop-outs to blend the streetscape into the project landscaping.



Public Street Sections

Figure 33

Marcos Specific Plan



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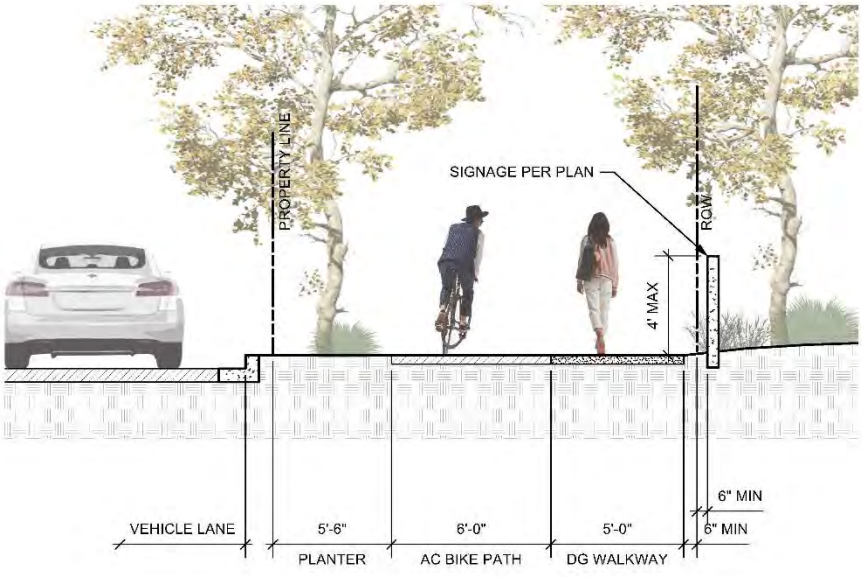


2 STREET SECTION: GRAND AVE
Scale: NTS

Public Road ROW Improvements Figure 34

5.2 Internal Circulation

The internal circulation system for the Marcos Specific Plan area consists of a combination of private internal driveways designed to safely accommodate the level of vehicular, bicycle, and pedestrian traffic generated by the West-End and East-End Planning Area's uses. The Conceptual Circulation Plan exhibit identifies the locations of the internal sidewalk and driveway systems designed for the Specific Plan area. The following exhibits and sections provide details and standards for any proposed roadway systems.

5.2.1 East-End Planning Area Circulation

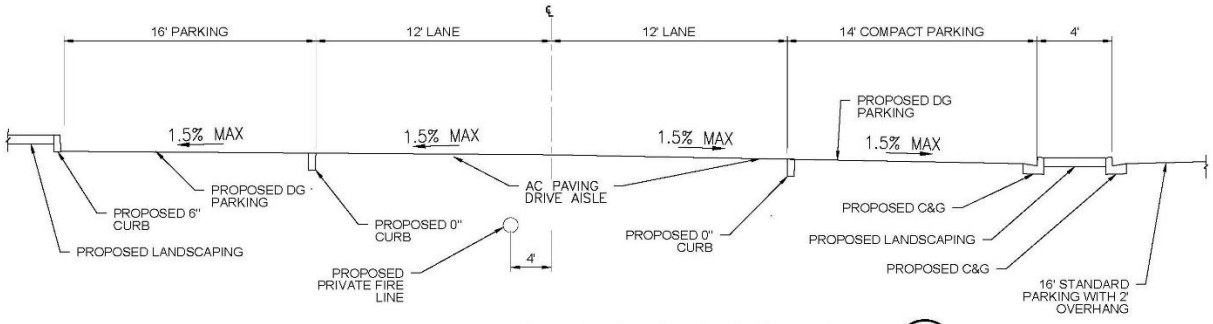
The East-End Planning Area incorporates three internal driveway configurations and three access points to public roadways: one (1) access to Grand Avenue and two (2) access points to Linda Vista Drive. A fourth (4) emergency access is shared via the bridge spanning Las Posas Creek connecting to the West-End Planning Area. Internal road sections feature two (2) – 12' to 15' wide travel lanes with a decomposed granite (DG) walkway or concrete sidewalk component configured in three (3) roadway segments as shown on **Table 19**. Parking may be included on either side of the driveways.

5.2.2 West-End Planning Area Circulation

The West-End Planning Area incorporates one (1) main driveway entry and one (1) secondary emergency access via the bridge over Las Posas Creek, through the East-End Planning Area, and connecting to Linda Vista Drive. Four (4) roadway configurations are included in the Planning Area: Three (3) driveway configurations and one (1) alley configuration. Alleys will include a 20' minimum drive surface and three (3) feet of driveway apron area. Driveways will feature 12' – 13' travel lanes and a sidewalk component along certain segments to provide ADA connectivity.

Table 18 Internal Driveway Dimensions

Roadway Type	Street Section Width (feet)	Travel Lane Width (feet)	Vehicle Lanes	Parking	Minimum Pedestrian Component
East-End Planning Area Roadways					
Driveway A2	54 min.'	12'	2	Yes. Depth Varies	n/a
Driveway B2	30' min.	15'	2	Yes. Depth Varies	Sidewalk or DG walkway
Driveway C2	60' min.	12'	2	18' minimum to either side	Sidewalk or DG walkway
West-End Planning Area Roadways					
Alley (A2/E2)	24' min.	20'	1	No	2'4" driveway apron
Driveway B2	34' min.	12'	2	No	n/a2'4" driveway apron
Driveway C2	52' min.	13'	2	No	4' min. sidewalk
Driveway D2	24' min.	12'	2	Guest Spaces throughout	5' Sidewalk. 2'4" driveway apron



INTERNAL ROAD SECTION (COMMERCIAL) A/2
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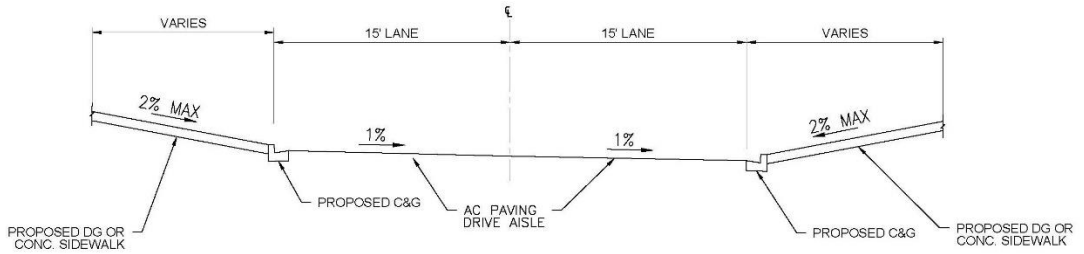

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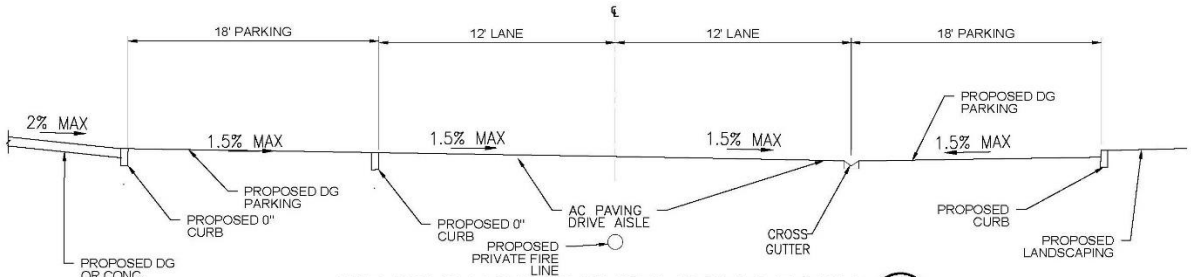

INTERNAL ROAD SECTION (COMMERCIAL) C/2
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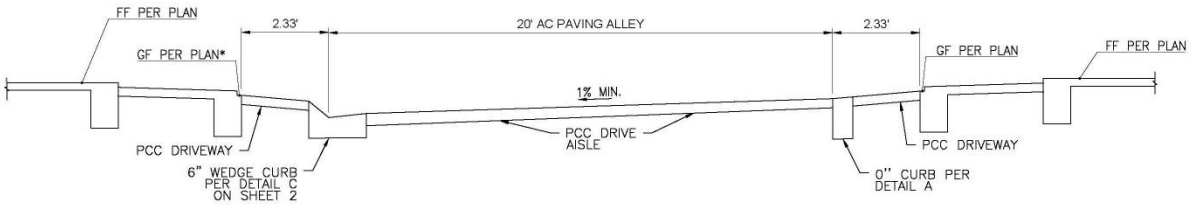
Eastend Planning Area Roadways Figure 35

Marcos Specific Plan



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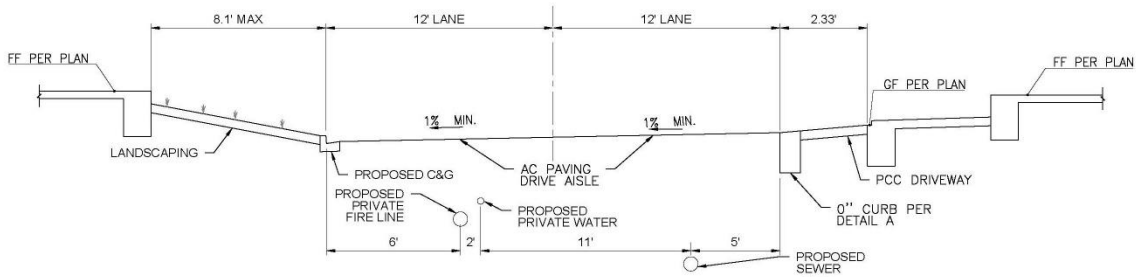

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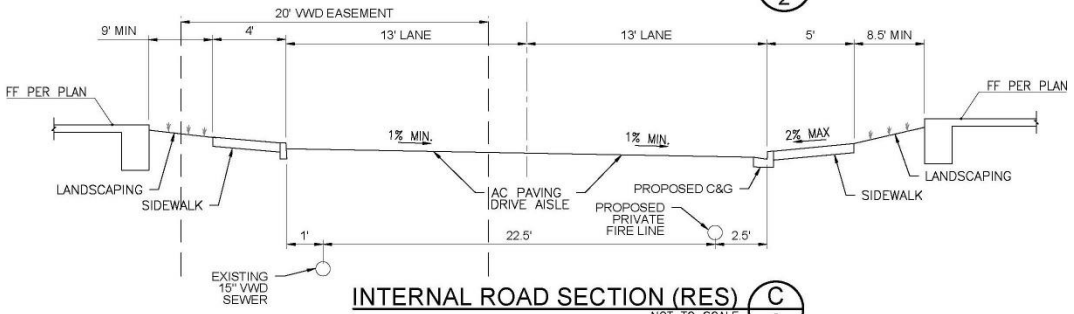

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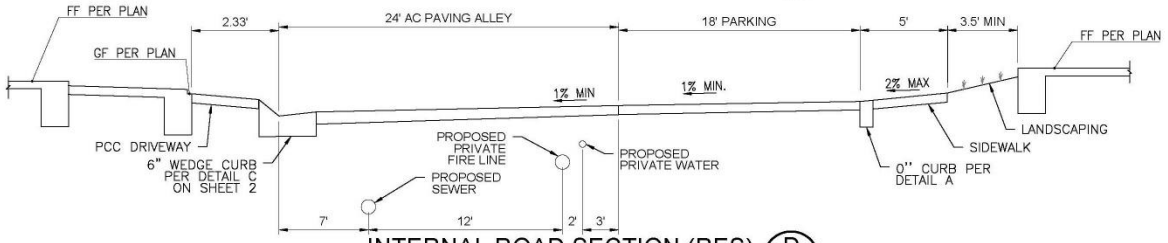

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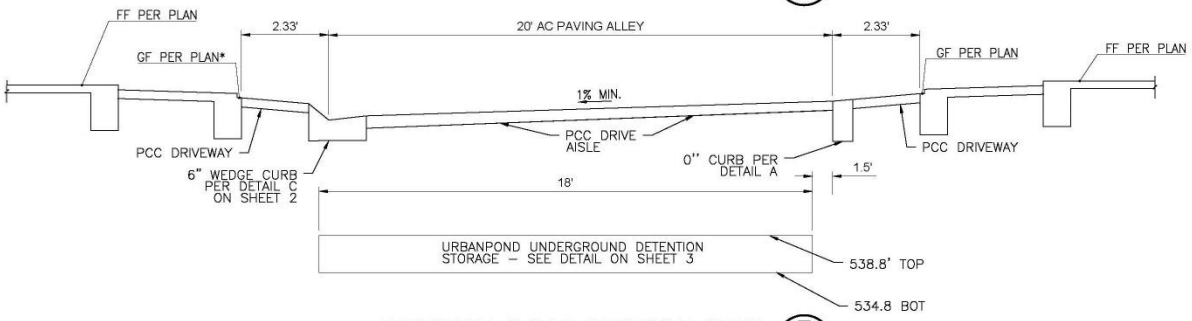


INTERNAL ROAD SECTION (RES) E/2
NOT TO SCALE

Westend Planning Area Roadways Figure 36

Marcos Specific Plan

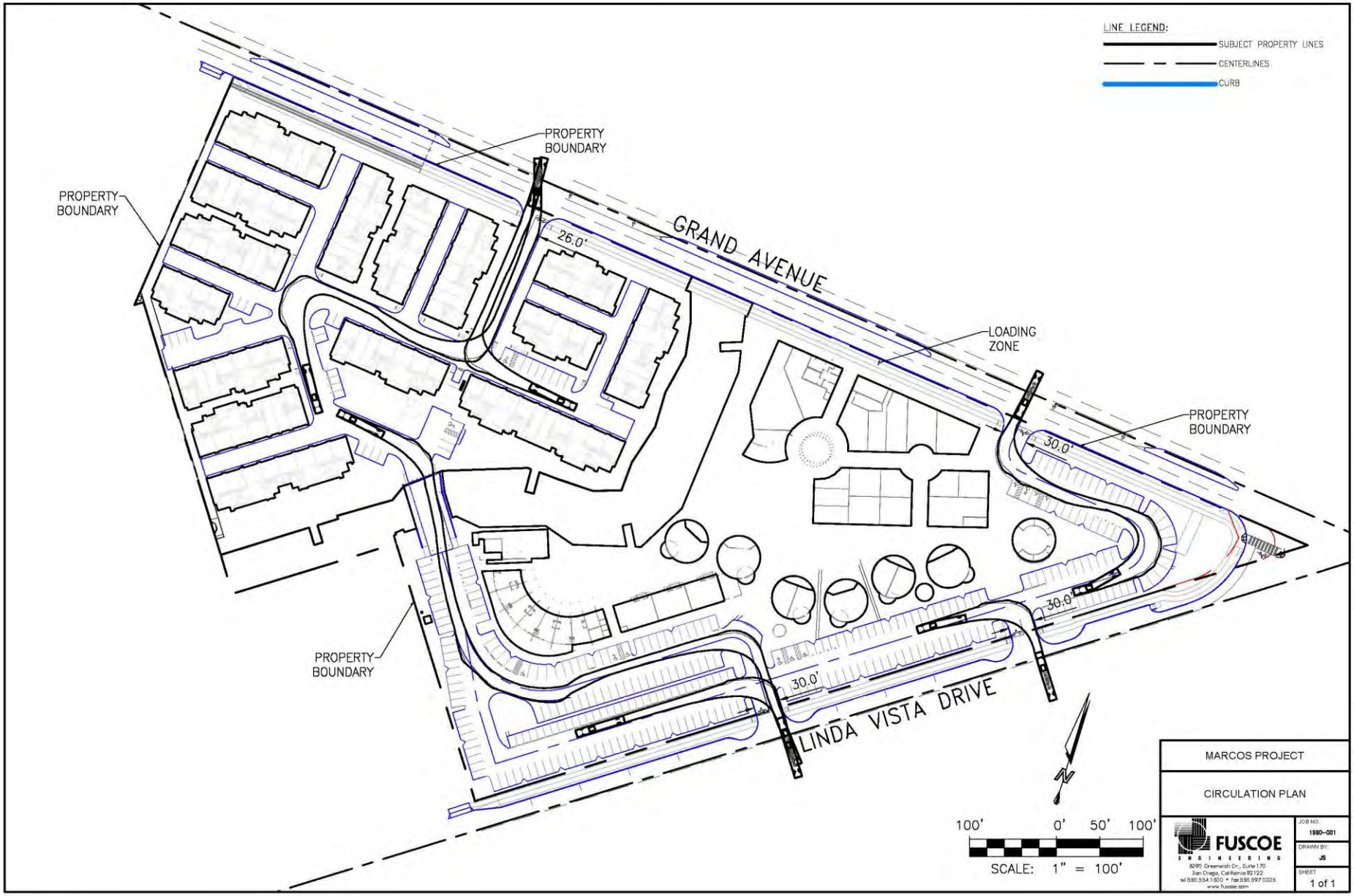
5.3 Emergency Vehicle Access

The California Fire Code, along with local fire agency authorities, administers the rules and regulations on fire access design. At a minimum, each Planning Area must present a design which affords fire and emergency responders suitable fire access roads dimensions and surfaces (Chapter 5, Section 503.1 through 503.4 of the California Fire Code), an adequate number of emergency rated entrances to the community (Appendix D, Section D106 of the California Fire Code), and entryway gate access for first responders (Chapter 5 of the California Fire Code, Section 503.6). All points of entry to the Specific Plan area have been designed to meet the requirements codified in the California Fire Code. Any gated entry into the Specific Plan area must include a Knox type entry, or another emergency entry device as approved by the City of San Marcos Fire Department.

The design of the Marcos Specific Plan provides three (3) access points to the East-End Planning Area and Two (2) to the West-End Planning Area. The bridge spanning Las Posas Creek serves as the secondary emergency access to the West-End Planning District.

5.4 Local and Regional Connectivity

As noted in Chapter 2, the Marcos Specific Plan Area is regionally connected to San Diego County and north to Riverside County through Interstate 15 via State Route 78. An existing system of expressways, arterial highways, and local roads such as the previously mentioned Grand Avenue and Linda Vista Drive link the Specific Plan Area to the City of San Marcos' circulation system and ultimately to State Route 78. As noted in Chapter 2, residents and visitors will be able to access State Route 78 eastbound via an onramp located approximately 0.25-mile west of the Specific Plan Area. From the 78 east onramp it's approximately an additional 5.5-miles to Interstate 15. Access to State Route 78 westbound is located at the Las Posas-78 overpass. These connections allow for convenient and rapid access to and from the Specific Plan Area to other communities, shopping centers, and employment centers thereby relieving stress residents would otherwise feel with limited transportation route options.



Emergency Vehicle Circulation

Figure 37

Marcos Specific Plan

5.5 Bicycle, Pedestrian, and Public Transit Options

Alternate forms of transportation may help alleviate modern congestion problems for municipalities while also reducing strain on environmental resources by reducing greenhouse gas emissions, thereby improving air quality. The City of San Marcos' General Plan includes policies and goals for new development to meet so they are in conformance with local and state climate and transportation goals. The Marcos Specific Plan area encompasses the intent of San Diego Association of Government's (SANDAG) Transit Oriented Development (TOD).

This Specific Plan area design and location reflects SANDAG's long-term transit development strategy. The Specific Plan area's density, product type, and most importantly the project's location, are consistent with several strategies outlined in SANDAG's Regional Transit Oriented Development Strategy as well as SANDAG's transit-oriented development growth models for 2035 and 2050, which encourage denser development along future expanded transit corridors.

The project meets the intent of the following SANDAG TOD Strategies:

- Strategy #1 strives to produce diverse and interconnected land use design within core TOD's. The Specific Plan area meets that definition via its inherent location in the middle of commercial, retail, light industrial land uses and near to major transit stations. In addition, the project is a horizontal mixed-use project capable of facilitating residential and commercial needs within the boundaries of the Specific Plan area.
- Strategy #3 promotes walking and biking to transit stations, connecting people to jobs in transit-oriented districts. The Marcos Specific Plan is a horizontal mixed-use development capable of supporting jobs to the residential portion of the Specific Plan area. The Marcos Specific Plan area is also near to commercial, retail and lighting industrial business and therefore within walking/biking distance to employment centers and shopping including the Grand Plaza shopping center. The Palomar College Transit Station is approximately one (1) mile walking/driving distance from the Specific Plan area facilitating quick access to the Sprinter rail line as well as bus routes that connect to the wider county. This centralized Specific Plan area enables residents to walk or bike to shop or work thereby lessening environmental impacts on the region.
- Strategy #4 seeks to manage the first and last mile gap to transit facilities to encourage ride share options as well as walking and biking. As identified in Section 5.1, The Specific Plan area will construct new Class IV bicycle lanes as part of ROW improvements on Grand Avenue and Linda Vista Drive. The addition of this feature will help make the first-last mile connection for residents of the Specific Plan area to the Palomar College Transit Station.
- Strategy #9 identifies community facilities and infrastructure program investments to aid in successful implementation of alternative transportation systems. The ROW improvements mentioned above help facilitate construction and maintenance of alternative transit usage and help to reduce the overall vehicle trips, thereby reducing the projects regional carbon footprint. The following section will provide information on available alternative transportation options and how this Specific Plan incorporates those options to conform to agency policy.

BREEZE bus service is provided by North County Transit District and includes 30 routes between Oceanside and La Jolla, as far east as Escondido. The bus stop nearest the Specific Plan area serves routes

347 and 445. These routes connect to other transit centers within the system, offering connectivity to all major destinations and other transit systems within North County, connections to South County transit systems, and the greyhound bus station in Escondido.

The Palomar College Transit Center also provides two (2) platforms at the train station with access to the SPRINTER hybrid Train. The SPRINTER is operated by North County Transit District (NCTD), which currently offers service to commuters every 30 minutes during peak demand times and every hour during off-peak demand times. The line extends between Oceanside and Escondido and provides connections to three (3) commuter rail lines: The Coaster, Metrolink Orange County Line, and Metrolink Inland Empire-Orange County Line. The SPRINTER also connects to Amtrak's Pacific Surfliner regional rail line.

5.5.1 Bicycle Storage Facilities

The East-End Planning Area shall provide 25% Class I bicycle parking facilities and 75% Class II bicycle parking facilities for all visitors to the Planning Area. Class II bicycle parking facilities are located as much as possible near the entries to East-End Planning Area and are meant as short-term bicycle parking for visitors who may be spending between two (2) to six (6) hours within the East-End Planning Area. Class I bicycle parking facilities are more secure long-term bike parking facilities for visitors or employees intending to stay on the site longer than six (6) hours. The Specific Plan Area is providing complete street facilities on the adjacent public roadways which allow for bicyclist to safely access public streets and to the broader City of San Marcos transportation systems.

Each dwelling unit within the West-End Planning area provides residents with the opportunity to store a bicycle within their private garage. The West-End Planning Area also enjoys connectivity to complete street transportation systems allowing bicyclist the opportunity to safely access San Marcos roadways.

5.5.2 ADA and Pedestrian Facilities

ADA path of travel shall be provided for persons with disabilities through a network of sidewalks, walkways, and pathways throughout the Marcos Specific Plan Area. ADA access allows for connectivity both within and outside the Specific Plan Area. Sidewalks shall connect the East-End Planning Area to two (2) connections on Grand Ave. as well as two (2) connections to Linda Vista Drive. These connections allow for broader pedestrian connectivity to the City of San Marcos. Similarly, the West-End Planning Area shall provide internal ADA circulation via sidewalks, which ultimately connect to Grand Avenue.

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Chapter 6: Grading, Utilities, and Infrastructure Plan

6 Grading, Utilities, and Infrastructure Plan

The Grading and Utilities Plan provides the description of the infrastructure necessary to support each proposed land use within the Marcos Specific Plan Area. This section will discuss in detail the distribution, capacity, size, and extent of grading, utilities, and other infrastructure which must be constructed and installed to facilitate a safe and efficient mixed-use community. Information will be provided for grading and the following utilities: water, wastewater, stormwater drainage and detention, electricity and natural gas, and telecommunications services. **Table 19** identifies the utility providers anticipated for the Specific Plan Area.

Table 19 Utility Providers

Utility	Utility Provider
Water	Vallecitos Water District
Sewer	Vallecitos Water District
Stormwater Drainage & Detention	Developer/Builder
Natural Gas	San Diego Gas & Electric
Electricity	San Diego Gas & Electric
Telecommunications	Cox Communications

The design, distribution, capacity, size and extent of utility infrastructure, facilities, and service improvements is dependent upon the increased population resulting from development of new housing and commercial buildings anticipated to be constructed within the Specific Plan area. According to the 2020 Census, the estimated average number of persons per household is approximately 3.17. This means the 109 dwelling units proposed within this Specific Plan (inclusive of live-work units) will result in approximately 349 new residents for the City of San Marcos. The Specific Plan should also account for employees and visitors for approximately 63,641 sf. of commercial, retail, and makerspace. The following chapter explains how the Specific Plan will accommodate these additional residents, employees, and visitors through the provision of additional utilities, services, and facilities.

6.1 Phasing Plan

Phasing for the Specific Plan will be focused on construction phasing and would likely take place in 3-4 phases with the first two phases consisting of horizontal construction, i.e., site work and the final phases consisting of vertical construction, i.e., construction of all buildings. It is anticipated both the East and West Planning areas would follow similar phasing. Phase One will begin with the construction of all offsite improvements for both Planning Area's and will include but may not be limited to construction of the landscaped median on Grand Ave., bike and pedestrian improvements on Grand Ave. and Linda Vista Drive, electrical undergrounding of overhead power lines on Grand Ave., striping improvements on Grand Ave. and Linda Vista Drive, and any other public roadway improvements included in the Conditions of Approval. Phase One will also include mass grading and utility infrastructure construction for each Planning Area. This phase would rough grade the East-End and West-End Planning Areas and cut all trenches for water, sewer, and dry utilities as well as construction of all roads, alleys, and driveways. Phase Two will consist of precise grading of the site for final building pad and hardscape placement. Finally, Phase Three and/or Four will consist of vertical construction of all buildings and installation of landscaping.

6.2 Grading

As discussed in **Section 2.5.2**, except for Las Posas Creek which has been restored, the entire site was once fully developed and currently is a mix of old disturbed yard space, concrete pad area, and asphalt parking area bisected by the restored Las Posas Creek. The site is relatively flat but will require some cut and fill. The East-End Planning Area will cut approximately 2,065 cubic yards (CY) of material, fill approximately 2,635 CY of material with approximately 570 CY of the fill coming from import material. The West-End Planning Area will require approximately 70 CY of cut, 15,680 CY of fill of which approximately 15,610 CY will come from import material. Import and export of materials may be required depending on soils type identified in the geotechnical report as well as onsite observations of the geotechnical engineer. Spoils from foundations and trenching will be handled separately from the cut and fill material described in this section. Final and precise grading will include taking roads, lots, and landscape areas to finish grades with final surface, hardscape, and planting installations and preparation of the ground for any foundations for proposed residential and community buildings.

6.3 Wet Utilities

Wet utilities include stormwater conveyance infrastructure, domestic and fire water infrastructure, and wastewater infrastructure. All stormwater is treated and discharged in accordance with State and local rules and regulations. Water and wastewater systems will be designed in accordance with the responsible water and sewer agency rules and regulations.

6.3.1 Stormwater Drainage and Treatment

The San Diego Region Municipal Separate Storm Sewer System (MS4) permit requires all stormwater runoff generated from the Planning Areas to be appropriately captured and conveyed into storm water quality pollutant control and flow control systems to prevent pollutants from entering receiving waters, and prevent erosion, flooding, and damage. The Marcos Specific Plan drainage design has carefully considered stormwater flows and designed the system to direct all surface runoff from both the Planning Areas to the storm water quality facilities Additionally, the City's Engineering Standards in accordance with San Diego County's Hydrology Manual requires the on-site detention of the post-development net increase of the 100-year storm event to ensure storm water runoff does not increase water flows onto adjacent properties or properties downstream and upstream including the Las Posas Creek Planning Area. Once captured in storm water quality facilities, the stormwater runoff is directed to drainage detention facilities then discharged into Las Posas Creek.

All storm water runoff shall be conveyed into on-site private storm water quality facilities and storm drain system. Storm drain systems including storm water quality facilities shall be provided in accordance with the specifications of the City Engineer. Storm water runoff is subject to the requirements of the latest National Pollution Discharge Elimination System (NPDES) permit for the San Diego Region and City of San Marcos BMP Design Manual prior to discharging into Las Posas Creek.

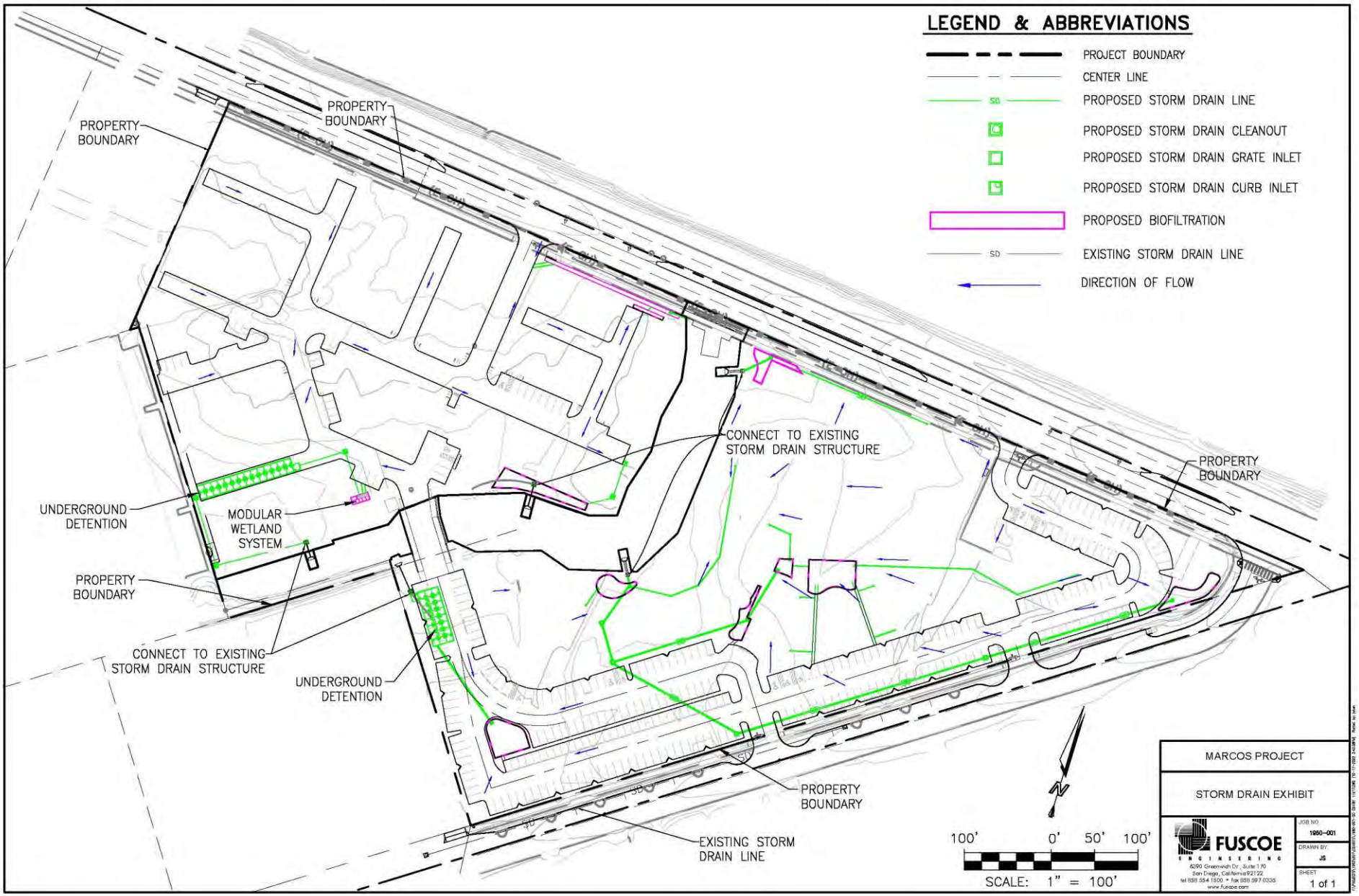
6.3.2 Water Supply

Water service to the Specific Plan Area will be provided by Vallecitos Water District (VWD). Services will include potable water connections and meters as well as fire water service lines. Services will connect to existing VWD water lines in Grand Avenue and Linda Vista Drive. Each Planning Area will feature its own water system which will include connections to existing Vallecitos Water District (VWD) potable and fire water infrastructure. The East-End Planning Area will include three connections to existing water lines; a potable and fire water line and backflow preventer will be located at the driveway entry and connect to

existing water lines in Grand Avenue and a second fire connection and backflow preventer will be located at the southeast corner of the site on Linda Vista Drive. The West-End Planning Area will feature one potable connection with backflow preventer and two fire water connections with backflow preventers. All West-End water connections will be made to existing VWD water service lines underneath Grand Avenue. A well may be drilled for the East-End Planning Area and West-End Planning Area to provide water for landscape irrigation. Wells shall be subject to approval by the County of San Diego Department of Environmental Health. If utilized, wells and well equipment shall be properly screened using landscaping and/or a fence or structure.

6.3.3 Wastewater

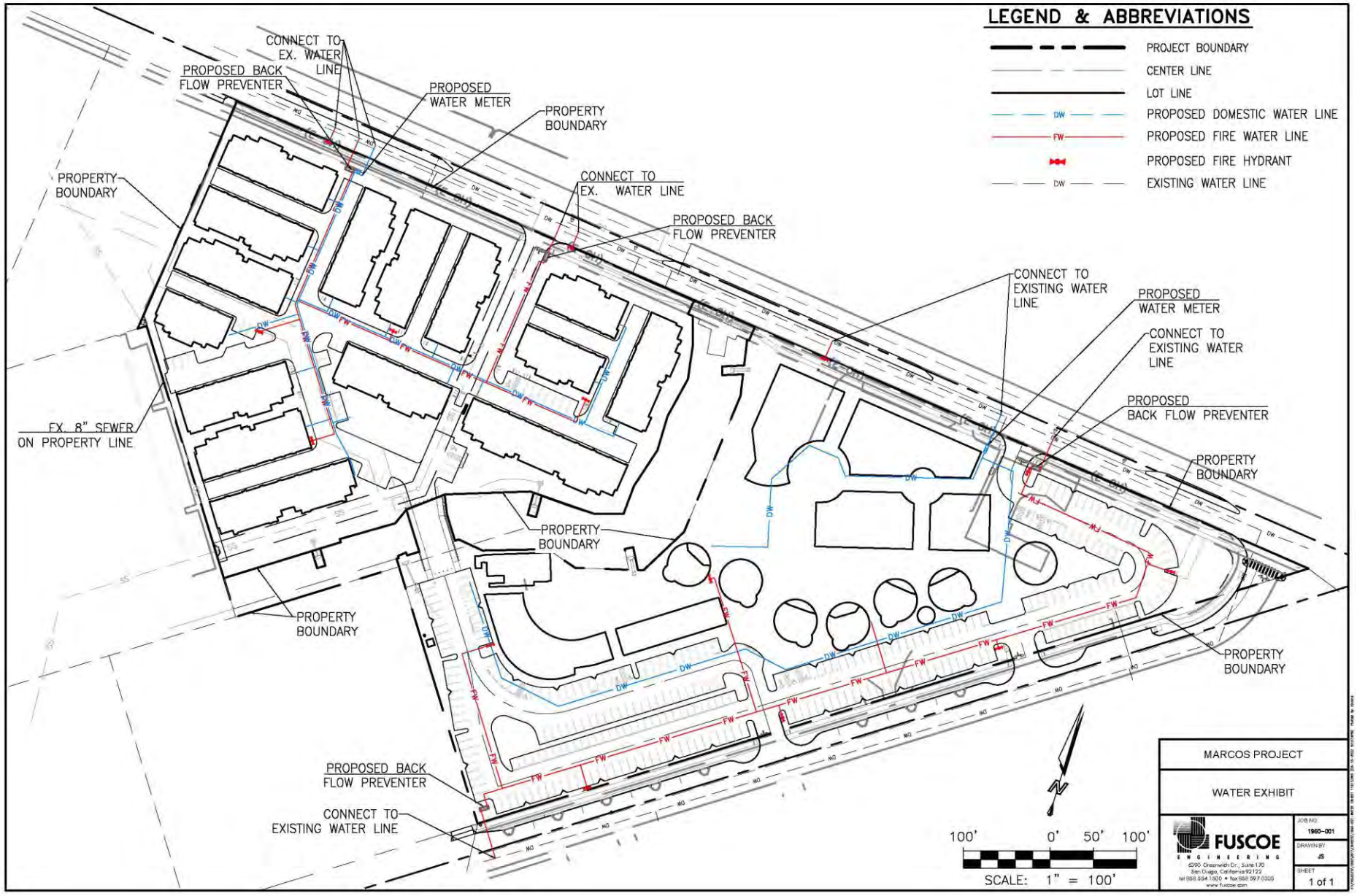
Wastewater service to the Specific Plan Area will be provided by VWD via existing sewer lines located in Grand Avenue and Linda Vista Drive. The East-End Planning Area will utilize a system of grease water drain lines located in areas anticipated to include uses generating grease. Grease traps will be installed at strategic locations before draining into the proposed sewer line connecting to existing VWD sewer infrastructure at the southeast portion of the site in Linda Vista Drive. The West-End Planning Area will gravity flow underneath proposed driveways to an existing sewer line and will make that connection at the adjacent property. A new 20' easement will be granted to VWD for the rerouted sewer line while VWD will maintain the rights to the existing 20' sewer easement through the site. A second sewer connection is proposed at the southern portion of the West-End Planning Area to an existing sewer line.



Proposed Stormwater Facilities Distribution

Figure 38

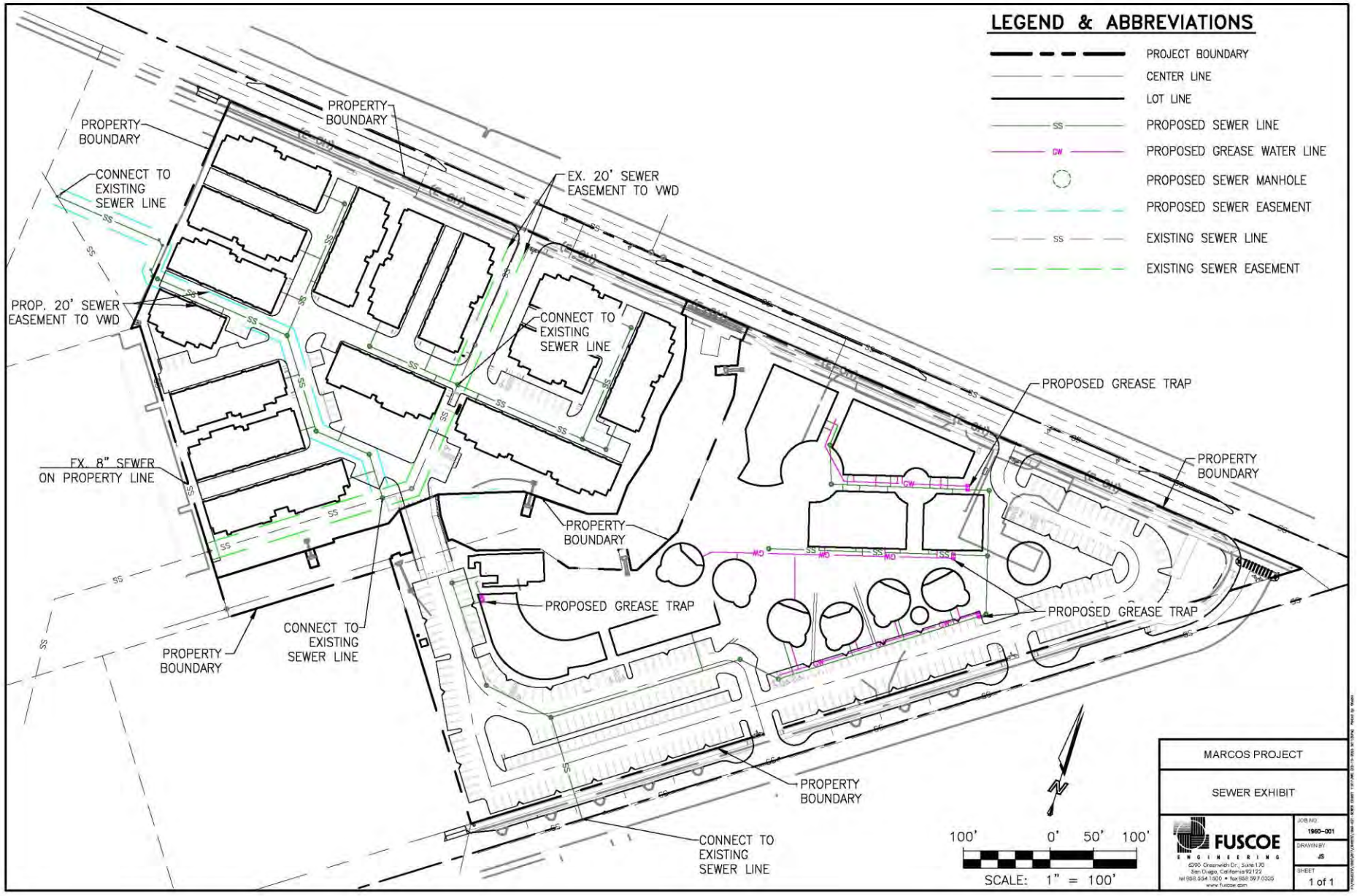
Marcos Specific Plan



Proposed Water Service Distribution

Figure 39

Marcos Specific Plan



Proposed Sewer Service Distribution

Figure 39

Marcos Specific Plan

6.4 Dry Utilities

Dry utilities include electricity, gas, and telecommunications infrastructure for the land uses included in this Specific Plan. Electricity and natural gas may provide the source for heat and air conditioning and power generation for homes and recreation facilities within the development. Photovoltaic power generating systems or other alternative energy generation systems as approved by the planning department shall be permitted within the Specific Plan area to supplement electricity and to help reduce or offset the projects carbon emissions. Any alternative energy program must be compliant with State and local regulations and ordinances. The following provides a description of the dry utility system distribution throughout the Specific Plan area.

6.4.1 Electricity

Electrical service distribution systems proposed for the Marcos Specific Plan area shall be provided by San Diego Gas and Electric (SDG&E). Developers of the East-End and West-End Planning Areas of the Marcos Specific Plan Area will be required to hire a contractor to provide all trenching, backfill, substructures, conduits, and transformer pads necessary for electrical utility installation work. Should SDG&E find installation of extra facilities is required for system reliability, it shall be the responsibility of the developer to perform the related work mentioned in this section. SDG&E shall be responsible for the installation of necessary cables, connectors, and pad-mounted equipment as required. Any proposed above-ground transformers and electrical facilities that solely service the Specific Plan area will be placed on-site and not within the City's right-of-way.

All existing aboveground utility poles along the project frontage on Grand Ave. shall be undergrounded. If undergrounding of utilities is infeasible, it will require concurrence from SDG&E.

In accordance with the current Building Code, all residential buildings will be equipped with photovoltaic panels to provide solar energy to the homes. In addition, homes will include energy conservation features such as exterior wall insulation, thermal breaks, low-e windows, advanced thermostats, energy star appliances, and sealed insulated ducts. Homes will meet all current Title 24 Energy Code standards.

6.4.2 Gas

SDG&E maintains a gas distribution system within Grand Avenue and Linda Vista Drive. If the project utilizes gas utilities, the gas lines will be extended to the developable area within the Specific Plan Area through the same joint trench alignment as electric, cable, and telephone facilities. It is likely that either a three (3) inch or four (4) inch pipeline will be utilized to deliver gas to the project site.

6.4.3 Telecommunications

Cable and telephone service will be provided through Cox Communications, AT&T or another telecommunications provider with infrastructure in the area. Cable connections will be stubbed for the property at the time of construction for dry utilities. Residents will be able to choose to connect to cable and telephone via several packages offered through the telecommunications provider.

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Chapter 7: Public Services & Facilities Plan

7 Public Services & Facilities Plan

The Marcos Specific Plan Public Services and Facilities Plan focuses on those services and facilities related to the Specific Plan Area, which are required to provide a safe, healthy, and well-rounded development. This section will provide details on the scope of services and facilities needed to provide a comprehensive development while minimizing impacts to existing service providers and infrastructure including districts and schools for children of the Plan area, community facilities, police and fire protection, and finally solid waste disposal. Details on the financing and maintenance of public services and facilities the developer must provide can be read in Chapter 8.

The US Census Bureau has compiled information related to the average number of people per household. Based on the 2020 census, the average population of households within San Marcos equates to approximately 3.17 persons. The 109 multi-family units proposed in the Plan area would accommodate approximately 349 residents within the City of San Marcos. The impacts and contributions those additional residents have on public services and facilities are explained in more detail below.

7.1 Schools

This section of the Marcos Specific Plan will identify the school districts and individual schools which school age children residing within the Plan area will attend. The San Marcos Unified School District will provide educational instruction for children residing within the Specific Plan Area. Residents requiring access to schools will reside primarily within the West-End Planning Area. The following institutions have been identified as the primary education providers to the Plan area. Elementary and middle-school age students residing in the Marcos Specific Plan will attend La Mirada Academy located at 3697 La Mirada Dr. La Mirada Academy is located approximately one mile west of the plan area. All high school students living within the Specific Plan Area will attend San Marcos High School which is located approximately 1.6 miles from the Specific Plan Area at 16115 W. San Marcos Blvd.

Table 20 Schools

School	Grade Range	Address
La Mirada Academy	K-8	3697 La Mirada Dr.
San Marcos High School	9-12	16115 W. San Marcos Blvd.

The developer and/or builder for the Marcos Specific Plan will offset its expected increase in students through monetary contributions in the form of school district development fees paid to the San Marcos Unified School District.

7.2 Parks, Recreation, and Open Space

The Marcos Specific Plan incorporates private park and recreation space, and open space as a component of the land use concept. A total of approximately 34,715 SF of open space and landscaping is required to be provided throughout the Specific Plan Area. Per the City's Municipal Code, which is consistent with the Quimby Act, a total of 5 acres of public park space is required for every 1000 residents generated by a proposed project or the developer can opt to provide at least the minimum required open space and pay in-lieu fees. The applicant(s)/developer(s) has the option to pay the in-lieu fee as opposed to the development or dedication of new public park space to the City of San Marcos. Those fees are used by the city to construct new public park space and recreation facilities or to maintain existing public park and recreation facilities.

7.3 Library Services

The Marcos Specific Plan Area is served by the San Diego County Library System. The San Marcos branch is located at 2 Civic Center Drive and is approximately two miles from the Plan area. The San Marcos branch offers a variety of services to the public including book and music rentals, computer access, as well as literary programs and other programs beneficial to the community. Additional library resources are provided to the public through the two colleges located in San Marcos. Palomar Community College located at 1140 West Mission Road is a short distance from the Plan area and provides free access to materials with valid picture identification and proof of current mailing address. California State University San Marcos (CSUSM) is approximately two miles from the Specific Plan Area. Purchase of an annual Community Borrower Card for $30.00 allows the public access to privileges at CSUSM.

7.4 Fire Protection

The Marcos Specific Plan is located within the San Marcos Fire Protection District boundary. The San Marcos Fire Department (SMFD) will provide fire protection for urban and wildland fires and emergency services to the entire Plan area. SMFD services San Marcos with four stations, the closest of which is Fire Station One located at 180 W. Mission Road approximately two miles from the plan area. Fire Station One houses an engine, a truck, a brush engine, and an ambulance. The Marcos Specific Plan is surrounded by existing development however, the Plan area is located within proximity to open space areas with slopes, fuel, and fire hazards, therefore residents and tenants of the Marcos Specific Plan, in accordance with the Community Wildfire Protection Plan (CWPP) and Hazard Risk Assessment (HRA) doctrines adopted by the SMFD, shall be required to comply with the rules and regulations established within the CWPP and HRA. The measures incorporated in the above text contribute to the Specific Plan's comprehensive approach to fire safety.

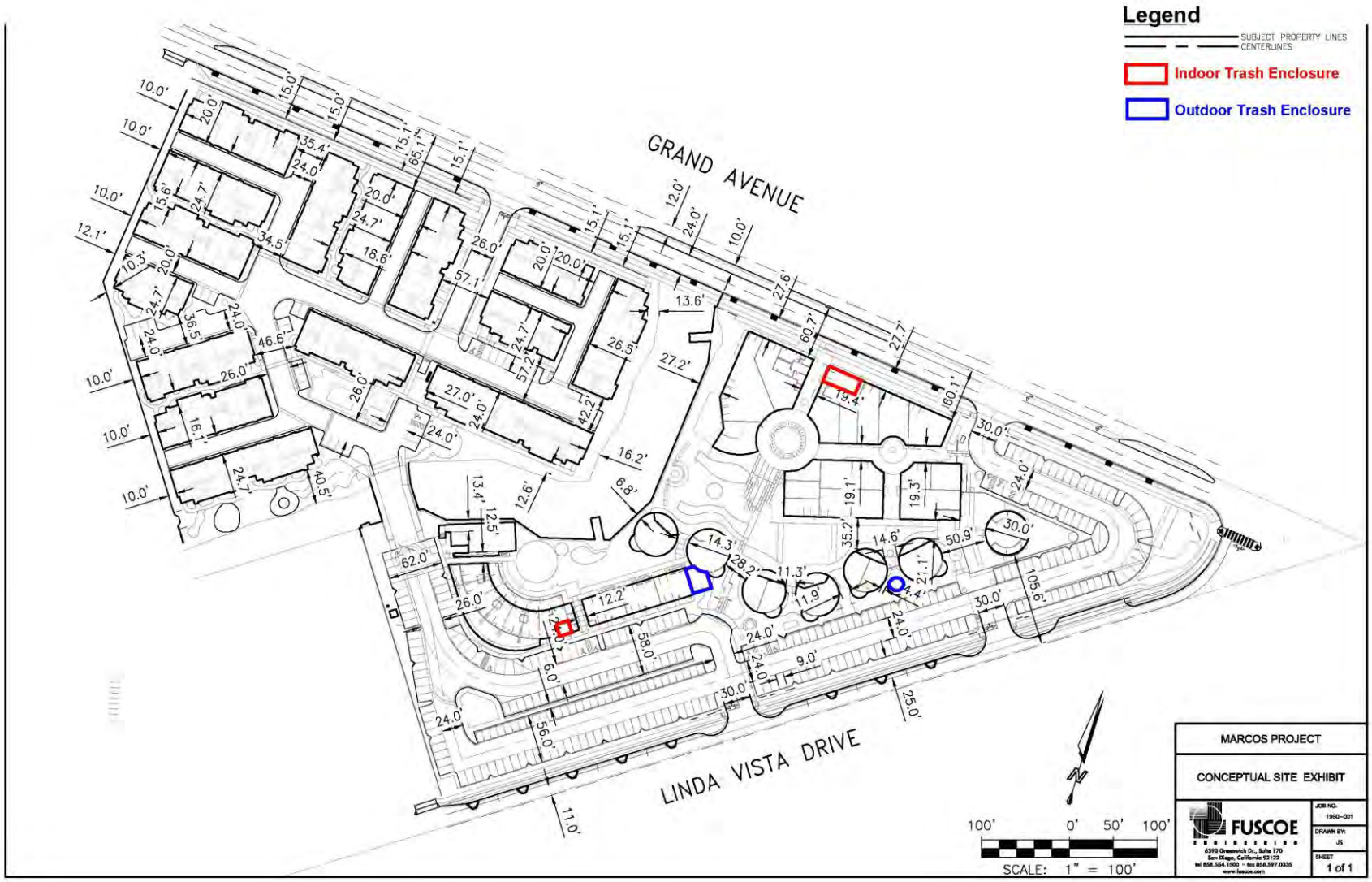
7.5 Police Protection

Police protection for the Marcos Specific Plan shall be provided by the County of San Diego Sheriff's Department. The County Sheriff provides contract law enforcement services to the City of San Marcos through the station located at 182 Santar Place located within City limits. The station's location is approximately two miles from the Plan area and provides services to San Marcos and the surrounding unincorporated areas. Community law enforcement services are provided year-round, 24-hours a day. The Sheriff's Department offers a variety of services to help keep the community safe. Deputies are responsible for general patrol services including traffic enforcement, suppression of drug activities, and response to theft and gang-related crimes. The San Marcos station has the only ASTREA (Sheriff's Aviation) landing pad in the County that is capable of aiding ground units and extending the range deputies can patrol. Additional services to the community include detective units responsible for crime investigations, the Community Oriented Policing and Problem Solving (COPPS) program assigned to investigate community quality of life issues, crime prevention units, crime analysis, and senior volunteers, as well as various administrative services. Child Protective Services, Adult Protective Services, and Juvenile Probation all operate out of the San Marcos Station. Together, these services offer the Marcos Specific Plan comprehensive law enforcement to help maintain community safety.

7.6 Solid Waste Disposal

Solid waste collection and recycling services to the Specific Plan Area shall be provided by EDCO Waste & Recycling. Non-recyclable waste, including general trash and green materials, is collected, and transported to the Sycamore Sanitary Landfill in Santee. Recyclable materials are transferred to the

Escondido Resources Recovery Transfer Station for further processing. Household hazardous waste can be disposed free of charge for residents of San Marcos at the Vista HHW Collection Facility at 1145 E. Taylor Street or the Poway HHW Collection Facility at 12325 Crosthwaite Circle. Each dwelling unit will be provided with a standard trash cart, recycling cart, and organic waste/green waste cart. East-End Planning Area commercial suites will utilize trash, recycling, and organic/green waste dumpsters. Day porters will be onsite during all business hours to maintain cleanliness and ensure trash receptacles are emptied and dumpsters are delivered to pick-up locations as approved by Edco.



Conceptual East-End Trash Pick-Up Locations Figure 41

Marcos Specific Plan

Conceptual West-End Trash Pick-Up Locations Figure 42

Marcos Specific Plan

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Chapter 8: Facilities Financing Plan

8 Facilities Financing Plan

This Chapter describes the various options for financing of the required improvements for the Marcos Specific Plan. A detailed financing plan has been prepared to ensure improvements to the Specific Plan Area are implemented in a successful manner and within an orderly timeframe. The financing plan will establish specific methods of financing to achieve the goals and policies set forth in this Chapter.

Financing mechanisms for each improvement shall be timed with any proposed phasing of the Specific Plan Area, established conditions of approval, and site plan and/or design review approval. The following descriptions provide information on possible methods which could be employed to finance improvements of the Specific Plan Area. It should be noted there may be other sources not listed below which would fulfill any mandates for the financing of improvements.

8.1 Methods of Financing for Public Improvements and Services

The developer(s) or builder(s) shall be responsible for their fair share of financing construction of any public improvements as well as the entirety of private infrastructure improvements required to support development within the Marcos Specific Plan. Improvements may include, however, may not be limited to, construction of internal and adjacent streets, water lines, sewer lines, and storm drains, and electrical and gas power delivery systems. The developer(s) or builder(s) can use a combination of financing mechanisms to achieve the required construction and maintenance of facilities and improvements; however, the developer or builder shall be ultimately responsible for all fair share costs identified with implementation of development within the Marcos Specific Plan, including but not limited to, costs associated with infrastructure construction, compliance with any mitigation measures identified within the MND conditions of approval, or any other associated requirements which may need to be fulfilled. It is anticipated that the developer(s) or builder(s) will construct all required public improvements. It is also anticipated that any long-term maintenance of public improvements or facilities will be maintained through CFD's.

8.1.1 Developer Funded Options

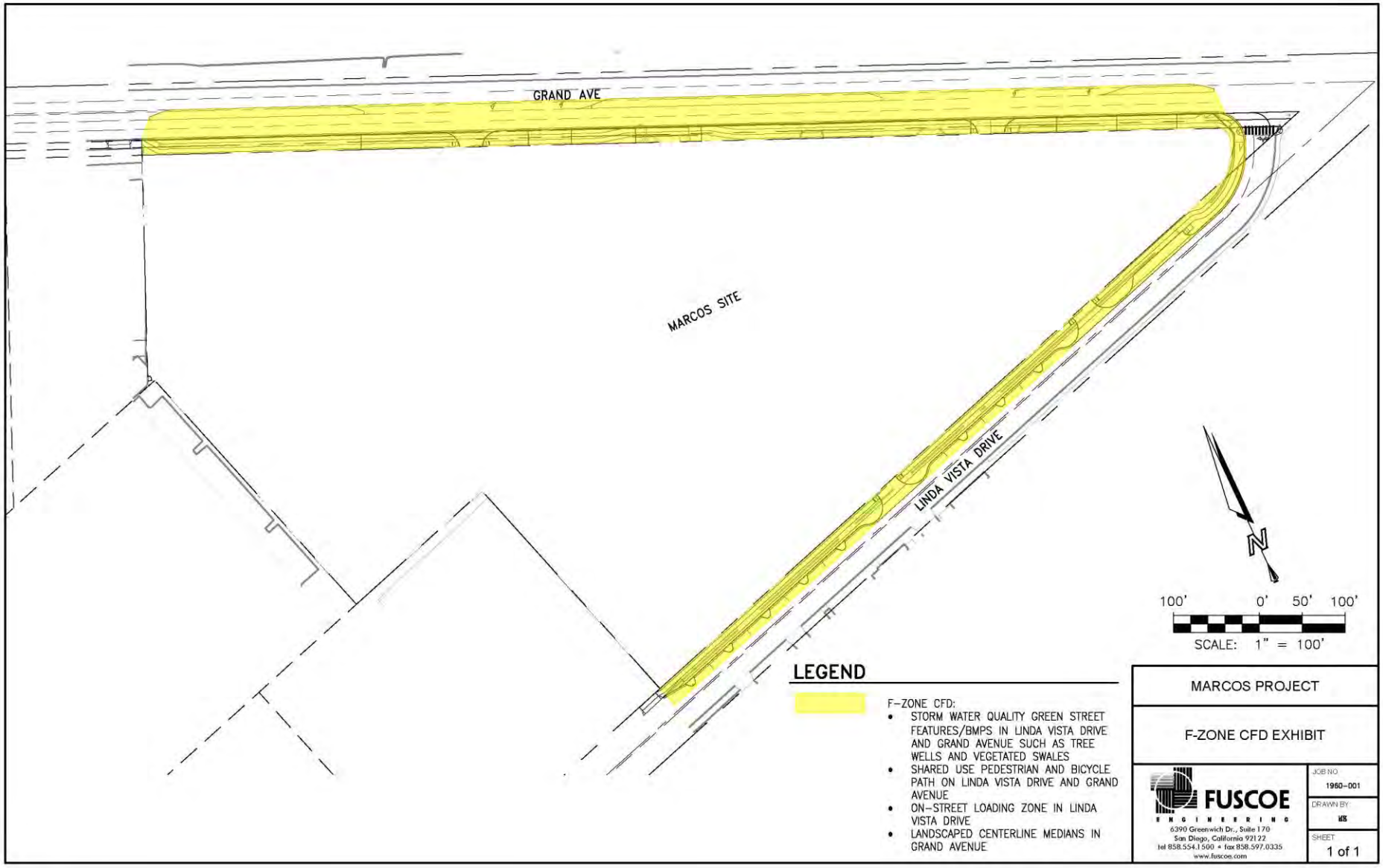
Many of the onsite facilities to be constructed will be financed and constructed entirely by the developer(s) or builder(s). Some examples of these types of improvements are onsite private streets, alleys, and driveways, utility connections from main trunk lines, and storm drain facilities excepting infrastructure of facilities related to the Las Posas Creek restoration. In the case of electricity connections, the developer(s) or builder(s) may be required to use the electricity providers, construction crews, or contractors provided from an approved list determined by the energy provider. In those cases, correspondence will occur between the parties to establish the funding method, at a cost to the developer or builder, to finance those improvements.

8.1.2 Special Assessment Districts

Special assessment districts may be used by the City of San Marcos to pay for improvements within a defined area so long as the property owner(s) vote to allow the assessment to proceed. Once an approval vote has been made, the city has the authority to form the special assessment district by the authority of the Improvement Act of 1911, and the Municipal Improvement Act of 1913. The property owner(s) will bond to pay for improvements such as streets, storm drains, sidewalks, landscape and lighting, water and sewer services, and other similar public improvements.

F-Zone District – The Marcos Specific Plan Area may form an F-Zone CFD to manage the funding mechanism for maintenance of public facilities within the ROW. Establishment of an F-Zone CFD would require the project owners to form the CFD and annex into the F-Zone CFD prior to or at the time construction permits are issued. Improvements that would be included within the F-Zone CFD are as follows:

- Storm water quality green street features/BMP's in Linda Vista such as tree wells, biofiltration basins, and vegetated swales.
- Shared use pedestrian and bicycle path on Linda Vista Drive and Grand Avenue.
- On-street loading zone on Linda Vista Drive.
- Landscaped center medians on Grand Avenue.



F-Zone District

Figure 43

Marcos Specific Plan

8.1.3 Community Facilities Districts and Mello-Roos

The City of San Marcos may use a Community Facility District and require Mello-Roos to finance public improvements for the Specific Plan Area. The Mello-Roos, Community Facilities Act of 1982 allows the City to establish special districts and to levy special taxes and issue tax exempt bonds to finance those improvements. Mello-Roos do not require municipalities to show any specific special benefit to assessed properties, therefore they may be used to finance a broad range of general improvements such as police and fire facilities, libraries, parks, and any improvements which may benefit specific properties.

8.1.4 Other Funding Sources

The developer or builder may secure other sources of funding to construct and maintain public and private facilities such as government grants, private developer coalitions, or various bonds not specifically mentioned above.

8.2 Financing of Public Improvements and Services

The orderly development of the Specific Plan Area requires the procurement of sufficient funding for public facilities and services. The following summaries provide details on financing of facilities and services for the Marcos Specific Plan required to be available at the time of need. The sections described below will provide information on specific financing options and implementation methods for facilities and service within the Specific Plan Area.

8.2.1 Circulation Improvements

The Marcos Specific Plan includes a comprehensive circulation plan, which includes private road improvements and may be required to provide public road improvements, public utility upgrades or other infrastructure improvements. Development within the Specific Plan Area is contingent upon the financing and maintenance of both private internal streets and external public road improvements, public streetscape improvements, and any mitigation measures for traffic impacts identified in the traffic study produced for the MND.

Internal private streets will be financed as a whole, by the developer(s) and/or builder(s).

Improvements to public external roads, rights-of-way, landscaped medians, and landscaping adjacent to the project's frontage identified by the City of San Marcos will be financed and constructed by the developer(s) and/or builder(s).

8.2.2 Fire, Paramedics, & Law Enforcement Facilities

Fire and Paramedic Services and Facilities

The Marcos Specific Plan is within the San Marcos Fire Protection District. To offset impacts to fire, paramedic services and facilities the developer(s) and/or builder(s) will pay fees to the City of San Marcos. Service to the Specific Plan Area shall be provided by the San Marcos Fire Department (SMFD). The developer will pay its fair share contribution to the City of San Marcos' CFD for fire service to the Specific Plan Area. Future homeowners will be assessed annual fees for this district with increases as determined by the city.

Law Enforcement Services

The County of San Diego Sheriff's Department, under contract with the City of San Marcos, will provide police protection services to the Marcos Specific Plan. The Marcos Specific Plan developer shall pay its

fair share contribution to the City of San Marcos' CFD for law enforcement service. Future homeowners will be assessed annual fees for this district with increases as determined by the city.

8.2.3 Schools

The Marcos Specific Plan is located within the San Marcos Unified School District (SMUSD). Impacts to SMUSD will be mitigated by a per square foot fee paid by the developer to the school district and based on total residential dwelling unit square footage.

8.2.4 Open Spaces, Parks, and Recreational facilities

The following categories of open space located within the Marcos Specific Plan to include private common-area open space, private recreation space, and private water quality features, will be financed, and constructed by the developer(s) and/or builder(s). The biological preserved area (Las Posas Creek), which has been restored, preserved, and maintained by the City of San Marcos. Maintenance responsibilities of private recreational facilities, and open space are described in Section 8.3. The developer and/or builder will pay Public Facilities Fees to offset the projects' impacts to City-owned parks and recreation facilities.

8.3 Operations and Maintenance of Public Improvements and Private Facilities

Maintenance of open space, recreational facilities, water quality features, private streets, public streets, water and sewer systems, and landscaping of public rights-of-way are important components to the image of Marcos Specific Plan and the functionality and safety of stormwater movement. This Section will define each entity responsible for maintenance of public improvements and private facilities which will have a prolonged impact on the Specific Plan Areas operations and appearance.

There are several options for funding operation and maintenance of public and private facilities and landscaping. For the operation and maintenance of private facilities, the Specific Plan Area will require the formation of a homeowner's association (HOA) for the West-End Planning Area. The East-End Planning Area shall privately fund facilities or in the case buildings are to be sold they shall establish a Commercial Owners Association (COA) to fund and maintain private facilities. These areas include, but are not limited to, common area open space, onsite landscaping, parks, recreational facilities, onsite private streets, private wet and dry utility connections, and storm water quality facilities and associated drainage facilities. Landscaping within each private lot within the Specific Plan Area shall be the sole responsibility of the homeowner or commercial ownership entity. Operation and maintenance responsibilities are defined in detail below. Each planning area shall establish a funding mechanism or owners' group and maintain its facilities independently.

- Private recreation areas and common area facilities maintenance within the Marcos Specific Plan Area shall be the responsibility of the Marcos Specific Plan HOA, private ownership group or COA.
- Maintenance of common area landscaping within the Marcos Specific Plan shall be the responsibility of the Marcos Specific Plan HOA, private ownership group or COA.
- Maintenance of landscaping within individual dwelling unit private open space shall be the responsibility of the homeowner.

- Maintenance within front yards of multifamily residential units (if included) shall be the responsibility of the HOA.
- Private streets, landscaped parkways, and entry monuments and gates shall be maintained by the Marcos Specific Plan HOA, and private ownership group or COA.
- All private stormdrain systems within the Specific Plan Area will be maintained by the HOA, and private ownership group or COA.
- Public water and sewer systems will be maintained by VWD. Private water/sewer systems within the Marcos Specific Plan will be maintained by the HOA, and private ownership group or COA.
- Maintenance of landscaping, lighting, and storm drain systems, in public right-of-way easements along public streets shall be the responsibility of the City of San Marcos with an assessment paid to the City of San Marcos by the property owner(s).
- Public street maintenance shall be the responsibility of the City of San Marcos.
- Bridge maintenance shall be maintained by the commercial ownership group or COA.

Table 21 Financial & Maintenance Responsibilities

Improvement	Installation/Financially Responsible Party	Long-term Maintenance Responsibility
Common Area landscaping	Developer(s)	HOA, commercial ownership entity or COA
Dry Utilities (gas and electricity)	Developer(s)	SDG&E
Las Posas Creek Bridge	City of San Marcos (currently built)	East-End Planning Area commercial entity or COA
Las Posas Creek	City of San Marcos	City of San Marcos
Private Open Space	Developer(s)	Homeowner, Commercial ownership entity or COA
Private Streets, Alley's, or Driveways	Developer(s)	HOA, Commercial ownership entity or COA
Public Landscaping in rights-of-way	CFD/Developer(s)	CFD
Private Storm Drain Systems	Developer(s)	HOA, commercial ownership entity or COA
Public Storm Drain Systems	Developer(s)	City of San Marcos
Public Water	Developer(s)	Vallecitos Water District
Public Sewer	Developer(s)	Vallecitos Water District
Private Water	Developer(s)	HOA, commercial ownership entity or COA
Private Sewer	Developer(s)	HOA, commercial ownership entity or COA

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Chapter 9: Specific Plan Administration

9 Specific Plan Administration

This chapter of the Marcos Specific Plan Specific Plan is essential to establishing a thorough review process for proposed discretionary entitlements and other processes which may become necessary within the Specific Plan area. Sections within this chapter form the procedures for review of entitlements and modifications or amendments to the Specific Plan (i.e., administration authority of the Plan, descriptions of the entitlements to be processed concurrently with this Specific Plan, compliance with CEQA, and substantial conformance and amendments to the Plan). Those rules, regulations, and processes outlined within this chapter govern the lead agency's implementation of development within the Specific Plan area. In addition to the Marcos Specific Plan implementation, several discretionary entitlements will also be processed concurrently. This section provides a detailed description of the mechanisms needed for implementation of the Specific Plan and should be the primary document consulted when questions arise concerning future development or development changes within the Specific Plan area. As the lead agency, The City of San Marcos is responsible for the administration of the Marcos Specific Plan and as such is responsible for ensuring the rules and procedures described herein are implemented in a consistent manner with all City rules, regulations, and policies.

9.1 Implementation/Phasing

Subsequent approvals needed to implement this Specific Plan include a conditional use permit, tentative map, tentative condominium map, multi-family site development plan, final map(s), grading plan(s), improvement plans(s), and building permits. Once these subsequent approvals are acquired, the planning areas within the Specific Plan area will most likely be constructed in two (2) phases.

Phase one involves preparing the site for vertical construction. The first phase will consist of clearing grubbing the site of all vegetation, rough grading the land, redefine the shape of the property and bring elevation to within a few inches of the final design, installation of wet and dry utilities, roadway improvements, and finish grading to shape the final contours and establish building pads. Phase one is anticipated to be completed within six s after Final Map Approval. Each planning area will independently perform construction work within their respective planning areas.

The second phase will involve vertical construction which entails pouring foundations and sidewalks, construction buildings, and installing landscaping and amenities. Phase two may be broken down into subphases depending upon market conditions and the availability of materials as well as timing of commercial vs. residential construction. Phase two is anticipated to be completed within one year after the completion of Phase one.

9.1.1 East-End Planning Area Conditional Use Permit (CUP)

The master Conditional Use Permit issued for commercial development shall guide implementation of proposed uses within the East-End planning area. Uses which conform with the CUP can be found in chapter 3 Land Use and Development Standards, Section 3.5. Uses similar in nature to those identified in Chapter 3 may be allowed upon a determination by the City of San Marcos Planning Director.

9.1.2 West-End Planning Area CC&R's

Residential CC&R's will require a disclosure that commercial uses currently exist adjacent to the site and the residential units may be subject to impacts typically associated with these uses.

9.2 Administration

Any future development within the Specific Plan area may be subject to further review and subsequent discretionary permits and approval from the City of San Marcos Development Services Department. Application, fee, and processing requirements shall be in accordance with the City's regulations, unless modified by this Specific Plan. Applications for subsequent development projects or public improvements and other activities will be reviewed by the Development Services Department using established procedures to determine consistency with the Marcos Specific Plan and all pertinent development standards, design standards, and mitigation measures identified during the environmental review process, as well as other applicable conditions of approval adopted as part of this Specific Plan.

Review and analysis of a subsequent project permit(s) may trigger conditions of approval that the City determines to be reasonably necessary to ensure the projects application and or plans achieve compliance with this Specific Plan. Procedures to amend the Marcos Specific Plan are also detailed in this section, should the applicant or City staff determine changes to the project would trigger an amendment to this Specific Plan in order to remain compliant with the adopted Specific Plan.

9.2.1 Modifications and Specific Plan Amendments

Approval of this specific plan indicates acceptance by the City of San Marcos of a framework for community development within this Specific Plan. Part of that framework establishes specific development standards that constitute the zoning regulations for the Marcos Specific Plan. It is anticipated that certain modifications to the specific plan text, exhibits, and/or project may be necessary during the development of the project. Any modifications to this specific plan shall occur in accordance with the amendment process described herein. These amendments, should they occur, are divided into two categories. The first category, "Minor Modifications," as defined in further detail below, allows for minor changes to the specific plan without a discretionary review or public hearing and may be approved by the Planning Director. All other proposed changes are considered specific plan amendments and are required to be reviewed for approval by the Planning Commission and/or the City Council. In all cases, amendments must be found to be in substantial conformance with the objectives and development standards of the Marcos Specific Plan. Amendments may be requested at any time pursuant to Section 65453(a) of the California Government Code. If the amendment is deemed major by the Planning Director, it will be processed in the same manner as the original adopted Specific Plan. Proposed amendments deemed to be minor modifications by the Planning Director, as defined herein, will be processed administratively in accordance with the City's administrative review process. Depending upon the nature of a proposed Specific Plan Amendment, a supplemental environmental analysis may be required, pursuant to Section 15162 of the California Environmental Quality Act (CEQA).

Minor Modifications

Upon determination by the Planning Director, certain modifications to the specific plan text, graphics, and/or project design may not require specific plan amendments (e.g., review and approval through a public hearing). The following minor modifications to the specific plan do not require a specific plan amendment, and subject to review and approval by the Planning Director, are considered within substantial conformance with the intent of the provisions of this Specific Plan. The Planning Director, however, shall have the discretion to refer any such request for modification to the Planning Commission.

- Expansions or reductions of the net acreage covered by any given planning area by 15 percent or less.
- Any decrease in project density or FAR.

- Any unforeseen discrepancies or challenges with landscape maintenance, growth, or loss of vegetation that may arise within the Marcos Specific Plan Area.
- Any modifications or realignment of any street serving the project, if also reviewed and approved by the City Engineer and the City Fire Marshall.
- Any modifications or realignment of any lot lines except for the San Marcos Creek parcel, easement locations, or any grading adjustments, if also reviewed and approved by the City Engineer.
- Any collector or public road alignment revisions, when reviewed and approved by the City Engineer.
- Any changes made by any utility provider or public agency providing any utility services to the project.
- Any modifications or changes to any design criteria such as paving treatments, architectural details, landscape treatments, sidewalks, fencing, lighting, entry treatments, or any other changes in any design criteria prescribed in the Specific Plan, determined minor with the Marcos Specific Plan by the Planning Director.
- Modifications to any landscape, wall material, wall designs, wall alignment, or streetscape designs, as determined by the Planning Director and the Development Services Director.
- Any changes to recreational facilities or ancillary recreational amenities so long as the Planning Director determines they are consistent with the intent of the Specific Plan, and any minimum area requirements.
- Modifications to any of the architectural design guidelines such as variations of material within the particular architectural style and any variations in colors, as determined by the Planning Director.
- Any revisions to the Specific Plan graphics that would be consistent with the overall intent of the Specific Plan, determined as minor by the Planning Director.
- Any modifications to architecture, plotting, or unit size determined consistent with the overall intent of the specific plan by the Planning Director.
- Any other modifications or requested changes to any part of the Specific Plan or any design details of the Specific Plan that are deemed minor by the Planning Division Manager.

Specific Plan Amendments

All Specific Plan modifications that do not meet the criteria of a minor modification as defined above or as determined by the Planning Director, shall be deemed major and require approval of a Specific Plan Amendment by the Planning Commission and/or City Council of the City of San Marcos. In the event the proposed Specific Plan Amendment requires supplemental environmental analysis pursuant to Section 15162 of CEQA, the applicant(s) will be responsible for preparing the necessary CEQA documentation.

9.3 Environmental Review

Each subsequent development project requiring discretionary approval shall be reviewed to ensure consistency and compliance with the California Environmental Quality Act (CEQA) Guidelines 15162(c). The Mitigated negative Declaration (MND) shall be certified concurrently with the Marcos Specific Plan and shall serve as the primary environmental document for all subsequent discretionary entitlements

within the Specific Plan Area. Each discretionary development application shall be reviewed on a project-by-project basis to determine consistency with the certified MND. Subsequent administrative approvals are not subject to CEQA review, because they do not trigger the exercise of the city's discretionary powers (CEQA Guidelines 15060[c] [1]). Projects which are not fully consistent with the Specific Plan will require additional analysis for only those factors which create potential impacts. Additional analysis will be performed through the analysis methods described in **Section 9.2**.

9.3.1 Options for Further CEQA Review of Subsequent Discretionary Approvals

Supplemental or Subsequent MND

Subsequent or Supplemental MND review shall not be required for future discretionary development entitlements in the Plan area unless the City of San Marcos makes a determination that substantial evidence exists supporting findings set forth in CEQA Guidelines Section 15162 or 15163. If the findings from those CEQA Guidelines 15162 or 15163 substantiate the city's inquiry, a determination will be made by the City of San Marcos's Community Development Director as to the appropriate supplemental or subsequent environmental document.

MND Addendum

CEQA Guidelines Section 15164(a) gives the City of San Marcos the authority to prepare an Addendum to a previously certified MND if minor changes or additions are necessary, but none of the conditions set forth in CEQA Guideline Section 15162, which call for the preparation of a subsequent MND, have occurred.

Exemptions

For any project design conforming to the standards established within an adopted Specific Plan for which a certified MND is in place, and where substantial evidence exists that none of the events explained within CEQA Guidelines Section 15162 have occurred, no MND or Negative Declaration is required as per California Government Code Section 65457 and CEQA Guidelines Section 15182. The City of San Marcos may wish to document the relevance of the residential Specific Plan exemption through a checklist, initial study, or an MND Addendum.

In accordance with CEQA Guidelines Section 15097, a Mitigation and Monitoring Program (MMRP) shall be adopted for the Specific Plan area. Adoption of a MMRP ensures all mitigation measures identified in the MND are properly implemented. The monitoring program provides an overview of the adopted mitigation requirements for impacts identified within the MND, identifies the parties responsible for monitoring compliance of the mitigation measures, and identified the timing or phases in which the mitigation measure is to be completed. All future development projects within the Specific Plan Area shall comply with the MMRP implementation measure to achieve full compliance with the MND, unless lawfully modified.

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Appendices

Appendix A: List of Acronyms and Definitions

ADA – Americans with Disabilities Act.

Accessory Use – A land use that is incidental and subordinate to the main use of the site and located on the same site as the main use.

Alcohol Production/tasting – Any use which distills, brews, or crafts beer, wine, or spirits.

Alley – Any roadway without curbs or sidewalk having a roadway not exceeding twenty-five (25) feet.

Area, Lot, or Site – The horizontal area within the property lines of a lot.

Building – A structure having a roof supported by columns or walls.

CEQA – California Environmental Quality Act.

CFD – Community Facility District.

CNEL – Community Noise Exposure Level.

Commercial Artist/Production Studio – Any commercial use or space for the creation, exhibition, or production of artistic or craft pieces.

Commercial Entertainment – Any place of business providing spectator entertainment for commercial purposes.

CSUSM – California State University San Marcos.

CWPP – Community Wildfire Protection plan.

CY – Cubic Yards.

dBA – A number of decibels read from a sound level meter with the meter switched to the weighting scale "A."

FAR – Floor area ratio.

HOA – Homeowners Association.

HRA – Hazard Risk Assessment.

Industrial, Maker Space – Any business providing or combining design and light fabrication or assembly of technology or crafts.

MMRP – Mitigation Monitoring and Reporting Program.

MND – Mitigated Negative Declaration

NCTD – North County Transit District.

Office, Professional, and Business Support Uses – Establishments providing direct services or support to clients such as architects, engineers, insurance agencies, real-estate, etc.

Recreation, Education, & Public Assembly – Any use which incorporates an educational and/or recreational component and/or a use which incorporates an assembly component where multiple people gather in a public space.

Retail, General – Commercial use which specializes in the sale of goods.

SDG&E – San Diego Gas and Electric.

SF – Square Footage.

SMMC – San Marcos Municipal Code.

SPA – Specific Plan Area.

VWD – Vallecitos Water District.

Wellness Uses – Business which provide healthy living such as physical fitness or therapy, nutritional services, salons and more.

Appendix B: General Plan Consistency Analysis

Appendix B

Air Quality and Greenhouse Gas Technical Report

DRAFT

Air Quality and Greenhouse Gas Technical Report

Marcos Specific Plan

JULY 2023

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APPENDIX

A CalEEMod Results

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Acronyms and Abbreviations

Acronym/Abbreviation	Definition [Table Heading (RGB: 15, 43,77)]
µg/m^3	micrograms per cubic meter
AB	Assembly Bill
CAAQS	California Ambient Air Quality Standards
CalEEMod	California Emissions Estimator Model
CALGreen	California's Green Building Standards
CalRecycle	California Department of Resources Recycling and Recovery
CAP	climate action plan
CAPCOA	California Air Pollution Control Officers Association
CARB	California Air Resources Board
CEC	California Energy Commission
CEQA	California Environmental Quality Act
CFCs	chlorofluorocarbons
CH_4	methane
City	City of San Marcos
CNRA	California Natural Resources Agency
CO	carbon monoxide
CO_2	carbon dioxide
CO_2e	carbon dioxide equivalent
CPUC	California Public Utilities Commission
DPM	diesel particulate matter
EIR	environmental impact report
EO	Executive Order
EPA	U.S. Environmental Protection Agency
EV	electric vehicle
GHG	greenhouse gas
GWP	global warming potential
H_2S	hydrogen sulfide
HAP	hazardous air pollutant
HCFCs	hydrochlorofluorocarbons
HFC	hydrofluorocarbon
HVAC	heating, ventilation, and air conditioning
IPCC	Intergovernmental Panel on Climate Change
kW	kilowatt
LCFS	Low Carbon Fuel Standard
LOS	level of service
MMT	million metric ton
MPO	metropolitan planning organization
MT CO_2e	metric tons of CO_2 equivalent
N_2O	nitrous oxide

NAAQS	National Ambient Air Quality Standards
NF_3	nitrogen trifluoride
NHTSA	National Highway Traffic Safety Administration
NO_2	nitrogen dioxide
NO_x	oxides of nitrogen
O_3	ozone
PFC	perfluorocarbon
PM_{10}	particulate matter with an aerodynamic diameter less than or equal to 10 microns
$PM_{2.5}$	particulate matter with an aerodynamic diameter less than or equal to 2.5 microns
ppb	parts per billion
ppm	parts per million
Project	Marcos Specific Plan Project
PV	photovoltaic
RAQS	Regional Air Quality Strategy
RPS	Renewables Portfolio Standard
RTP	Regional Transportation Plan
SAFE	Safer Affordable Fuel-Efficient
SANDAG	San Diego Association of Governments
SB	Senate Bill
SCS	Sustainable Communities Strategy
SDAB	San Diego Air Basin
SDAPCD	San Diego Air Pollution Control District
SF_6	sulfur hexafluoride
SIP	State Implementation Plan
SLCP	short-lived climate pollutant
SO_2	sulfur dioxide
SO_4	sulfates
SO_x	sulfur oxides
SWRCB	State Water Resources Control Board
TAC	toxic air contaminants
VOC	volatile organic compound
ZEV	zero emission vehicle

1 Executive Summary

The purpose of this technical report is to assess the potential air quality and greenhouse gas (GHG) emissions impacts associated with implementation of the proposed Marcos Specific Plan Project (Project) in the City of San Marcos (City). This assessment utilizes the significance thresholds in Appendix G of the California Environmental Quality Act (CEQA) Guidelines (14 CCR 15000 et seq.) and is based on the emissions-based significance thresholds recommended by the San Diego Air Pollution Control District (SDAPCD) and other applicable thresholds of significance.

1.1 Project Summary

The proposed Marcos Specific Plan Project (Project) includes a request for a Specific Plan, General Plan Amendment, and Rezone for a residential mixed-use development project on approximately 12.03-acre site. The General Plan Amendment and Rezone would change the General Plan designation and Zoning from Commercial (C) to Specific Plan Area (SPA).

The project site is located at the northwest corner of Grand Avenue and Linda Vista Drive in the City of San Marcos (APNs 219-152-42, -44, -45, -51, -61, -70, -74, -75, -76, -77, -78, -79) The existing project site has been previously disturbed and is currently developed with paved areas and billboards. The project site is located in an urban area of the City surrounded on all sides by existing development, including commercial and industrial uses to the north, east, south, and west.

The Project consists of construction of 102 multi-family residential units on 5.03 acres of the project site, and construction of 7,658 square feet (sf) of office space and 49,266 sf of specialty retail space and 7 live-work residential dwelling units on 6.05 acres of the project site. Residential units would be contained within 15 townhome buildings, and units would be a mix of six different unit types, ranging in size from two- to three-bedrooms. Additionally, the residential area would include a pool building, pool and spa area, barbeque area, picnic area, and play area for residents. The residential buildings would be located on the northwestern portion of the site, and commercial uses and the live-work units would be placed along the southern and eastern project boundaries. Access to the residential area would be provided via Grand Avenue at a northern driveway, and access to the commercial area would be via Grand Avenue at a southern driveway and two driveways along Linda Vista Drive. The project would provide 204 garage parking spaces for residences, 34 residential guest parking spaces, and 278 commercial parking spaces.

The Project site is located within the San Diego Air Basin and is under the jurisdiction of the SDAPCD. Construction and operational criteria air pollutant and GHG emissions were estimated using the California Emissions Estimator Model (CalEEMod) Version 2022.

1.2 Air Quality Findings

The air quality impact analysis evaluated the potential for adverse impacts to air quality due to construction and operational emissions resulting from the Project. Impacts were evaluated for their significance based on the County of San Diego's mass daily criteria air pollutant thresholds of significance (County of San Diego 2007), which is based on SDAPCD Rules 20.2 and 20.3 (SDAPCD 1998 and 2021). Criteria air pollutants are defined as pollutants

for which the federal and state governments have established ambient air quality standards, or criteria, for outdoor concentrations to protect public health. Criteria air pollutants include ozone (O_3), nitrogen dioxide (NO_2), carbon monoxide (CO), sulfur dioxide (SO_2), particulate matter with an aerodynamic diameter less than or equal to 10 microns (PM_{10}), particulate matter with an aerodynamic diameter less than or equal to 2.5 microns ($PM_{2.5}$), and lead. Pollutants that are evaluated include volatile organic compounds (VOCs), oxides of nitrogen (NO_x), CO, sulfur oxides (SO_x), PM_{10}, and $PM_{2.5}$. VOCs and NO_x are important because they are precursors to O_3.

1.2.1 Air Quality Plan Consistency

Regarding consistency with local air quality plans, the Project would not result in a more intensive land use than currently allowed under the City's General Plan (City of San Marcos 2012), which SDAPCD's Regional Air Quality Strategy (RAQS) emissions forecast is based on. The Project site is designated as Commercial (C) in the City's General Plan and is zoned Commercial (C). Although the Project would redesignate the site to Specific Plan Area and would develop a mix of residential and commercial uses, it would be less intensive than the current designation. Further, the projected population, housing, and employment growth would be well within the SANDAG projections for the City. As such, the Project would be consistent with relevant air quality plans, and impacts would be **less than significant**.

1.2.2 Cumulatively Considerable Increase in Non-Attainment Criteria Air Pollutant Emissions

1.2.2.1 Construction Criteria Air Pollutant Emissions

Construction of the Project would result in the temporary addition of pollutants to the local airshed caused by on-site sources (i.e., off-road construction equipment, soil disturbance, and VOC off-gassing) and off-site sources (i.e., on-road haul trucks, vendor trucks, and worker vehicle trips). Estimated maximum daily construction emissions would not exceed the applied significance thresholds for VOC, NO_x, CO, SO_x, PM_{10}, or $PM_{2.5}$ during construction in all construction years (2024–2025). Therefore, Project construction air quality impacts would be **less than significant**.

1.2.2.2 Operational Criteria Air Pollutant Emissions

Operation of the Project would generate operational criteria air pollutants from mobile sources (i.e., vehicle trips), area sources (i.e., consumer product use, architectural coatings, and landscape maintenance equipment), and energy (i.e., natural gas). Maximum daily operational emissions would not exceed the County of San Diego's operational significance thresholds for VOC, NO_x, CO, SO_x, PM_{10}, or $PM_{2.5}$. Therefore, Project operational air quality impacts would be **less than significant**.

1.2.3 Exposure of Sensitive Receptors

1.2.3.1 Carbon Monoxide Hotspots

Operation of the Project would generate minimal new daily vehicle trips and would not expose sensitive receptors to localized high concentrations of CO or contribute traffic volumes to intersections that would cause a CO hotspot. Operational CO hotspot impacts would be **less than significant**.

1.2.3.2 Toxic Air Contaminants

Construction activities would not generate emissions greater than the applied mass daily thresholds; therefore, Project-generated construction emissions are not anticipated to be substantial. Further, the exposure duration of toxic air contaminants (TACs) during construction would be a small portion of the 30-year exposure period and the nearest sensitive receptors are located at distance of over 2,000 feet away from the Project site. Given the short-term duration of construction and the dispersion of TACs through the intervening distance, the pollutant concentration would be further reduced.

Regarding long-term toxic air contaminant emissions, the Project would result in a minimal increase in daily truck traffic on the roadway network and would not require stationary sources (such as diesel emergency generators). Therefore, the exposure of Project-related TAC emission impacts to proximate sensitive receptors would be **less than significant**.

1.2.4 Other Emissions (Odors)

The analysis of other emissions is focused on the potential for an odor impact to occur. Potential odors produced during construction would be attributable to concentrations of unburned hydrocarbons from tailpipes of construction equipment, architectural coatings, and asphalt pavement application, which would disperse rapidly from the Project site and generally occur at magnitudes that would not affect substantial numbers of people. In addition, the Project would not include land-use types that would generate offensive odors during operation. Therefore, Project construction and operations would result in odor impacts that are **less than significant**.

1.3 Greenhouse Gas Emissions Findings

Global climate change is primarily considered a cumulative impact but must also be evaluated on a project-level under CEQA. A project participates in this potential impact through its incremental contribution combined with the cumulative increase of all other sources of GHG emissions. GHGs are gases that absorb infrared radiation in the atmosphere. Principal GHGs regulated under state and federal law and regulations include carbon dioxide (CO_2), methane (CH_4), and nitrous oxide (N_2O). GHG emissions are measured in metric tons of CO_2 equivalent (MT CO_2e), which account for weighted global warming potential factors for CH_4 and N_2O.

The City of San Marcos adopted the Final Climate Action Plan (CAP) on December 8, 2020. The Project's GHG impact significance has been assessed based on compliance with the City's CAP Consistency Checklist. Construction and operational GHG emissions were quantified for informational purposes in accordance with the CEQA Guidelines 15064.4.

Construction of the Project would result in GHG emissions of 582.8 MT CO_2e. Estimated Project-generated construction emissions amortized over 30 years would be approximately 19.4 MT CO_2e per year.

The estimated GHG emissions from operation of the Project would be approximately 1,690.40 MT CO_2e per year, including amortized construction emissions.

Development of the Project site would be consistent with the City's CAP, which was prepared to be aligned with California Air Resources Board's (CARB) community-wide targets and put the City on trajectory to meet its proportional share of the 2050 state target identified in EO-S-3-05, as such the Project would not conflict with the California Air Resources Board (CARB) Scoping Plan or the San Diego Association of Governments Regional Transportation Plan/Sustainable Communities Strategy (SANDAG RTP/SCS).

Regarding the CARB's 2022 Scoping Plan and AB 1279 (2045 carbon neutrality), the City's CAP would provide its proportional share of reductions towards 2050, which would align with 2045 targets in concert with CARB measures for carbon capture and storage.

Based on the Project's consistency with the City's CAP, the Project would not conflict with an applicable plan, policy, or regulation adopted for the purpose of reducing the emissions of GHGs or generate GHGs that may have a significant impact on the environment. This impact would be **less than significant**.

1.4 Summary of Findings

Table 1. Summary of Impact Determinations

Analysis	Report Section	CEQA Checklist Question	Significance Determinations	
			Unmitigated	Mitigated
Air Quality Management Plan	3.5.1	AQ-1	Less than Significant	No Mitigation Required.
Cumulatively Considerable Net Increase of Any Criteria Pollutant	3.5.2	AQ-2	Less than Significant	No Mitigation Required.
Sensitive Receptors	3.5.3	AQ-3	Less than Significant	No Mitigation Required.
Other Emissions and Odors	3.5.4	AQ-4	Less than Significant	No Mitigation Required.
GHG Emissions and GHG Reduction Plan	4.5.1	GHG-1 and GHG-2	Less than Significant	No Mitigation Required.

2 Introduction

2.1 Report Purpose and Scope

The purpose of this technical report is to assess the potential air quality and greenhouse gas (GHG) emissions impacts associated with implementation of the proposed Marcos Specific Plan Project (Project). This assessment uses the significance thresholds in Appendix G of the California Environmental Quality Act (CEQA) Guidelines (14 CCR 15000 et seq.) and is based on the emissions-based significance thresholds recommended by the County of San Diego (County), which is based on the San Diego Air Pollution Control District (SDAPCD) rules, and other applicable thresholds of significance.

This introductory Section provides a description of the Project and the Project location. Chapter 3, Air Quality, describes the air quality–related environmental setting, regulatory setting, existing air quality conditions, and thresholds of significance and analysis methodology, and presents an air quality impact analysis per Appendix G of the CEQA Guidelines. Chapter 4, Greenhouse Gas Emissions, follows the same format as Chapter 3 and similarly describes the GHG emissions–related environmental setting, regulatory setting, existing climate changes conditions, and thresholds of significance and analysis methodology, and presents a GHG emissions impact analysis per Appendix G of the CEQA Guidelines. Chapter 5, References Cited, includes a list of the references cited. Chapter 6, List of Preparers, includes a list of those who prepared this technical report.

2.2 Project Description

The proposed Project includes the development of a Specific Plan to guide future development on the approximately 12.03-acre Project site in the City of San Marcos in San Diego County (Figure 1, Project Location). The Project site is located at the northwest corner of Grand Avenue and Linda Vista Drive (Figure 2, Project Site). The existing site has been previously disturbed and is currently developed with paved areas and billboards. The Project site is located in an urban area of the City surrounded on all sides by existing development, including commercial and industrial uses to the north, east, south, and west.

The Project consists of construction of 102 multi-family residential units on 5.03 acres of the project site, and construction of 7,658 square feet (sf) of office space and 49,266 sf of specialty retail space and 7 live-work residential dwelling units on 6.05 acres of the project site (Figure 3, Site Plan). Residential units would be contained within 15 townhome buildings, and units would be a mix of six different unit types, ranging in size from two- to three-bedrooms. Additionally, the residential area would include a pool building, pool and spa area, barbeque area, picnic area, and play area for residents. The residential buildings would be located on the northwestern portion of the site, and commercial uses and the live-work units would be placed along the southern and eastern project boundaries. Access to the residential area would be provided via Grand Avenue at a northern driveway, and access to the commercial area would be via Grand Avenue at a southern driveway and two driveways along Linda Vista Drive. The Project would provide 204 garage parking spaces for residences, 34 residential guest parking spaces, and 278 commercial parking spaces.

The Project site is currently designated and zoned Commercial (C) under the City's General Plan and municipal code, respectively.

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Figure 1 Project Location

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Figure 2 Project Site

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Figure 3 Site Plan

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3 Air Quality

3.1 Environmental Setting

3.1.1 Meteorological and Topographical Conditions

The Project site is located within the San Diego Air Basin (SDAB) and is subject to the SDAPCD guidelines and regulations. The SDAB is one of 15 air basins that geographically divide the State of California. The primary factors that determine air quality are the locations of air pollutant sources and the quantity of pollutants emitted. Meteorological and topographical conditions, however, are also important. Factors such as wind speed and direction, air temperature gradients and sunlight, and precipitation and humidity interact with physical landscape features to determine the movement and dispersal of air pollutants. Meteorological and topographical factors that affect air quality in the SDAB are described below.[1]

3.1.1.1 Regional Climate and Meteorological Conditions

The climate of the San Diego region, as in most of Southern California, is influenced by the strength and position of the semi-permanent high-pressure system over the Pacific Ocean, known as the Pacific High. This high-pressure ridge over the west coast often creates a pattern of late-night and early-morning low clouds, hazy afternoon sunshine, daytime onshore breezes, and little temperature variation year-round. The SDAB is characterized as a Mediterranean climate with dry, warm summers and mild, occasionally wet winters. Average temperature ranges (in degrees Fahrenheit (°F)) from the mid-40s to the high 90s, with an average of 201 days warmer than 70°F. The SDAB experiences 9 to 13 inches of rainfall annually, with most of the region's precipitation falling from November through March, with infrequent (approximately 10%) precipitation during the summer. El Niño and La Niña patterns have large effects on the annual rainfall received in San Diego, where San Diego receives less than normal rainfall during La Niña years.

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

The favorable climate of the San Diego region also works to create air pollution problems. Sinking, or subsiding air from the Pacific High, creates a temperature inversion known as a subsidence inversion, which acts as a "lid" to vertical dispersion of pollutants. Weak summertime pressure gradients further limit horizontal dispersion of pollutants in the mixed layer below the subsidence inversion. Poorly dispersed anthropogenic emissions combined with strong sunshine leads to photochemical reactions that result in the creation of ozone (O_3) at this surface layer. In addition, light winds during the summer further limit ventilation.

[1] The discussion of meteorological and topographical conditions of the SDAB is based on information provided in the SDAPCD *2016 Monitoring Plan* (SDAPCD 2017), the County of San Diego *Guidelines for Determining Significance – Air Quality* (County of San Diego 2007), the County of San Diego *General Plan Update EIR* (County of San Diego 2011), and the CARB *Recommended Area Designation for the 2010 Federal Sulfur Dioxide Standard* (CARB 2011).

In the fall months, the SDAB is often impacted by Santa Ana winds, which are the result of a high-pressure system over the Nevada and Utah regions that overcomes the westerly wind pattern and forces hot, dry winds from the east to the Pacific Ocean. The Santa Ana winds are powerful and can blow the SDAB's pollutants out to sea. However, a weak Santa Ana can transport air pollution from the South Coast Air Basin and greatly increase O_3 concentrations in the San Diego area.

Under certain conditions, atmospheric oscillation results in the offshore transport of air from the Los Angeles region to San Diego County. This often produces high O_3 concentrations, as measured at air pollutant monitoring stations within San Diego County. The transport of air pollutants from Los Angeles to San Diego can also occur within the stable layer of the elevated subsidence inversion, where high levels of O_3 are transported.

3.1.1.2 Topographical Conditions

Topography in the San Diego region varies greatly, from beaches in the west to mountains and desert in the east; much of the topography in between consists of mesa tops intersected by canyon areas. Along with local meteorology, topography influences the dispersal and movement of pollutants in the SDAB. Mountains to the east prohibit dispersal of pollutants in that direction and help trap pollutants in inversion layers.

The topography of the SDAB also drives pollutant levels, and the SDAB is classified as a "transport recipient," whereby pollutants are transported from the South Coast Air Basin to the north and, when the wind shifts direction, from Tijuana, Mexico, to the south.

3.1.2 Pollutants and Effects

3.1.2.1 Criteria Air Pollutants

Criteria air pollutants are defined as pollutants for which the federal and state governments have established ambient air quality standards, or criteria, for outdoor concentrations to protect public health. The national and California standards have been set, with an adequate margin of safety, at levels above which concentrations could be harmful to human health and welfare. These standards are designed to protect the most sensitive persons from illness or discomfort. Pollutants of concern include O_3, nitrogen dioxide (NO_2), carbon monoxide (CO), sulfur dioxide (SO_2), particulate matter with an aerodynamic diameter less than or equal to 10 microns (PM_{10}), particulate matter with an aerodynamic diameter less than or equal to 2.5 microns ($PM_{2.5}$), and lead. In California, sulfates, vinyl chloride, hydrogen sulfide, and visibility-reducing particles are also regulated as criteria air pollutants. These pollutants, as well as toxic air contaminants (TACs), are discussed in the following paragraphs.[2]

Ozone. O_3 is a strong-smelling, pale blue, reactive, toxic chemical gas consisting of three oxygen atoms. It is a secondary pollutant formed in the atmosphere by a photochemical process involving the sun's energy and O_3 precursors. These precursors are mainly oxides of nitrogen (NO_x) and volatile organic compounds (VOCs). The maximum effects of precursor emissions on O_3 concentrations usually occur several hours after they are emitted and many miles from the source. Meteorology and terrain play major roles in O_3 formation, and ideal conditions occur during summer and early autumn on days with low wind speeds or stagnant air, warm temperatures, and

[2] The descriptions of the criteria air pollutants and associated health effects are based on the U.S. Environmental Protection Agency's "Criteria Air Pollutants" (EPA 2022a), as well as the California Air Resources Board's "Glossary" (CARB 2019a) and CARB's "Common Air Pollutants" (CARB 2022a).

cloudless skies. O_3 exists in the upper atmosphere O_3 layer (stratospheric O_3) and at the Earth's surface in the troposphere (ground-level O_3)[3]. The O_3 that the U.S. Environmental Protection Agency (EPA) and the California Air Resources Board (CARB) regulate as a criteria air pollutant is produced close to the ground level, where people live, exercise, and breathe. Ground-level O_3 is a harmful air pollutant that causes numerous adverse health effects and is thus considered "bad" O_3. Stratospheric, or "good," O_3 occurs naturally in the upper atmosphere, where it reduces the amount of ultraviolet light (i.e., solar radiation) entering the Earth's atmosphere. Without the protection of the beneficial stratospheric O_3 layer, plant and animal life would be seriously harmed.

O_3 in the troposphere causes numerous adverse health effects; short-term exposures (lasting for a few hours) to O_3 at levels typically observed in Southern California can result in breathing pattern changes, reduction of breathing capacity, increased susceptibility to infections, inflammation of the lung tissue, and some immunological changes (EPA 2013).

Inhalation of O_3 causes inflammation and irritation of the tissues lining human airways, causing, and worsening a variety of symptoms. Exposure to O_3 can reduce the volume of air that the lungs breathe in, thereby causing shortness of breath. O_3 in sufficient doses increases the permeability of lung cells, rendering them more susceptible to toxins and microorganisms. The occurrence and severity of health effects from O_3 exposure vary widely among individuals, even when the dose and the duration of exposure are the same. Research shows adults and children who spend more time outdoors participating in vigorous physical activities are at greater risk from the harmful health effects of O_3 exposure. While there are relatively few studies on the effects of O_3 on children, the available studies show that children are no more or less likely to suffer harmful effects than adults. However, there are several reasons why children may be more susceptible to O_3 and other pollutants. Children and teens spend nearly twice as much time outdoors and engaged in vigorous activities as adults. Children breathe more rapidly than adults and inhale more pollution per pound of their body weight than adults. Also, children are less likely than adults to notice their own symptoms and avoid harmful exposures. Further research may be able to better distinguish between health effects in children and adults. Children, adolescents, and adults who exercise or work outdoors, where O3 concentrations are the highest, are at the greatest risk of harm from this pollutant (CARB 2019b).

Nitrogen Dioxide. NO_2 is a brownish, highly reactive gas that is present in all urban atmospheres. The major mechanism for the formation of NO_2 in the atmosphere is the oxidation of the primary air pollutant nitric oxide (NO), which is a colorless, odorless gas. NO_x plays a major role, together with VOCs, in the atmospheric reactions that produce O_3. NO_x is formed from fuel combustion under high temperature or pressure. In addition, NO_x is an important precursor to acid rain and may affect both terrestrial and aquatic ecosystems. The two major emissions sources are transportation and stationary fuel combustion sources such as electric utility and industrial boilers. NO_2 can irritate the lungs, cause bronchitis and pneumonia, and lower resistance to respiratory infections (EPA 2016a).

A large body of health science literature indicates that exposure to NO_2 can induce adverse health effects. The strongest health evidence, and the health basis for the ambient air quality standards for NO_2, results from controlled human exposure studies that show that NO_2 exposure can intensify responses to allergens in allergic asthmatics. In addition, several epidemiological studies have demonstrated associations between NO_2 exposure and premature death, cardiopulmonary effects, decreased lung function growth in children, respiratory symptoms, emergency room visits for asthma, and intensified allergic responses. Infants and children are particularly at risk because they have

[3] The troposphere is the layer of the Earth's atmosphere nearest to the surface of the Earth. The troposphere extends outward about 5 miles at the poles and about 10 miles at the equator.

disproportionately higher exposure to NO_2 than adults due to their greater breathing rate for their body weight and their typically greater outdoor exposure duration. Several studies have shown that long-term NO_2 exposure during childhood, the period of rapid lung growth, can lead to smaller lungs at maturity in children with higher levels of exposure compared to children with lower exposure levels. In addition, children with asthma have a greater degree of airway responsiveness compared with adult asthmatics. In adults, the greatest risk is to people who have chronic respiratory diseases, such as asthma and chronic obstructive pulmonary disease (CARB 2019c).

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

CO is harmful because it binds to hemoglobin in the blood, reducing the ability of blood to carry oxygen. This interferes with oxygen delivery to the body's organs. The most common effects of CO exposure are fatigue, headaches, confusion and reduced mental alertness, light-headedness, and dizziness due to inadequate oxygen delivery to the brain. For people with cardiovascular disease, short-term CO exposure can further reduce their body's already compromised ability to respond to the increased oxygen demands of exercise, exertion, or stress. Inadequate oxygen delivery to the heart muscle leads to chest pain and decreased exercise tolerance. Unborn babies whose mothers experience high levels of CO exposure during pregnancy are at risk of adverse developmental effects. Unborn babies, infants, elderly people, and people with anemia or with a history of heart or respiratory disease are most likely to experience health effects with exposure to elevated levels of CO (CARB 2019d).

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

Controlled human exposure and epidemiological studies show that children and adults with asthma are more likely to experience adverse responses with SO_2 exposure, compared with the non-asthmatic population. Effects at levels near the 1-hour standard are those of asthma exacerbation, including bronchoconstriction accompanied by symptoms of respiratory irritation such as wheezing, shortness of breath, and chest tightness, especially during exercise or physical activity. Also, exposure at elevated levels of SO_2 (above 1 parts per million [ppm]) results in increased incidence of pulmonary symptoms and disease, decreased pulmonary function, and increased risk of mortality. Older people and people with cardiovascular disease or chronic lung disease (such as bronchitis or emphysema) are most likely to experience these adverse effects (CARB 2019e).

SO_2 is of concern both because it is a direct respiratory irritant and because it contributes to the formation of sulfate and sulfuric acid in particulate matter [National Research Council (NRC) 2005]. People with asthma are of particular concern, both because they have increased baseline airflow resistance and because their SO_2-induced increase in airflow resistance is greater than in healthy people, and it increases with the severity of their asthma (NRC 2005).

SO_2 is thought to induce airway constriction via neural reflexes involving irritant receptors in the airways (NRC 2005).

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

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

Several adverse health effects have been associated with exposure to both $PM_{2.5}$ and PM_{10}. For $PM_{2.5}$, short-term exposures (up to 24-hour duration) have been associated with premature mortality, increased hospital admissions for heart or lung causes, acute and chronic bronchitis, asthma attacks, emergency room visits, respiratory symptoms, and restricted activity days. These adverse health effects have been reported primarily in infants, children, and older adults with preexisting heart or lung diseases. In addition, of all the common air pollutants, $PM_{2.5}$ is associated with the greatest proportion of adverse health effects related to air pollution, both in the United States and worldwide based on the World Health Organization's Global Burden of Disease Project. Short-term exposures to PM_{10} have been associated primarily with worsening of respiratory diseases, including asthma and chronic obstructive pulmonary disease, leading to hospitalization and emergency department visits (CARB 2017a).

Long-term exposure (months to years) to $PM_{2.5}$ has been linked to premature death, particularly in people who have chronic heart or lung diseases, and reduced lung function growth in children. The effects of long-term exposure to PM10 are less clear, although several studies suggest a link between long-term PM_{10} exposure and respiratory mortality. The International Agency for Research on Cancer published a review in 2015 that concluded that particulate matter in outdoor air pollution causes lung cancer (CARB 2017a).

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

secondary lead smelters, battery recycling, and manufacturing facilities are becoming lead-emissions sources of greater concern.

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

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

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

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

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

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

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

3.1.2.2 Non-Criteria Air Pollutants

Toxic Air Contaminants. A substance is considered toxic if it has the potential to cause adverse health effects in humans, including increasing the risk of cancer upon exposure, or acute and/or chronic non-cancer health effects. A toxic substance released into the air is considered a TAC. TACs are identified by federal and state agencies based on a review of available scientific evidence. In the state of California, TACs are identified through a two-step process that was established in 1983 under the Toxic Air Contaminant Identification and Control Act. This two-step process

of risk identification and risk management and reduction was designed to protect residents from the health effects of toxic substances in the air. In addition, the California Air Toxics "Hot Spots" Information and Assessment Act, Assembly Bill (AB) 2588, was enacted by the legislature in 1987 to address public concern over the release of TACs into the atmosphere. The law requires facilities emitting toxic substances to provide local air pollution control districts with information that will allow an assessment of the air toxics problem, identification of air toxics emissions sources, location of resulting hotspots, notification of the public exposed to significant risk, and development of effective strategies to reduce potential risks to the public over 5 years.

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

Diesel Particulate Matter. Diesel particulate matter (DPM) is part of a complex mixture that makes up diesel exhaust. Diesel exhaust is composed of two phases, gas and particle, both of which contribute to health risks. More than 90% of DPM is less than 1 micrometer in diameter (about 1/70 the diameter of a human hair), and thus is a subset of $PM_{2.5}$ (CARB 2019f). DPM is typically composed of carbon particles ("soot," also called black carbon) and numerous organic compounds, including over 40 known cancer-causing organic substances. Examples of these chemicals include polycyclic aromatic hydrocarbons, benzene, formaldehyde, acetaldehyde, acrolein, and 1,3-butadiene (CARB 2019f). The CARB classified "particulate emissions from diesel-fueled engines" (i.e., DPM) (17 CCR 93000) as a TAC in August 1998. DPM is emitted from a broad range of diesel engines: on-road diesel engines, including trucks, buses, and cars, and off-road diesel engines, including locomotives, marine vessels, and heavy-duty construction equipment, among others. Approximately 70% of all airborne cancer risk in California is associated with DPM (CARB 2000). To reduce the cancer risk associated with DPM, CARB adopted a diesel risk reduction plan in 2000 (CARB 2000). Because it is part of $PM_{2.5}$, DPM also contributes to the same non-cancer health effects as $PM_{2.5}$ exposure. These effects include premature death; hospitalizations and emergency department visits for exacerbated chronic heart and lung disease, including asthma; increased respiratory symptoms; and decreased lung function in children. Several studies suggest that exposure to DPM may also facilitate development of new allergies (CARB 2019f). Those most vulnerable to non-cancer health effects are children, whose lungs are still developing, and older people, who often have chronic health problems.

Valley Fever. Coccidioidomycosis, more commonly known as "Valley Fever," is an infection caused by inhalation of the spores of the *Coccidioides immitis* fungus, which grows in the soils of the southwestern United States. When fungal spores are present, any activity that disturbs the soil, such as digging, grading, or other earth-moving operations, can cause the spores to become airborne and thereby increase the risk of exposure. The ecologic factors that appear to be most conducive to survival and replication of the spores are high summer temperatures, mild winters, sparse rainfall, and alkaline sandy soils.

The reported number of cases in California was 7,217 cases in 2020, with the Coccidioidomycosis incidence rate of 18.1 per 100,000 population in 2020 (CDPH 2022). Valley Fever is not considered highly endemic to San Diego. Per the San Diego County Health and Human Services Agency, the 10-year average (2010–2019) for Coccidioidomycosis cases in the County of San Diego is 6.3 cases per 100,000 people per year. Similarly, among the total reported incidents of Valley Fever from 2009 through 2019, only 0.9% of the cases reported in the County were in in the City's zip code that includes the project site (92069) (County of San Diego 2021).

Even if present at a site, earth-moving activities may not result in increased incidence of Valley Fever. Propagation of *Coccidioides immitis* is dependent on climatic conditions, with the potential for growth and surface exposure highest following early seasonal rains and long dry spells. *Coccidioides immitis* spores can be released when filaments are disturbed by earth-moving activities, although receptors must be exposed to and inhale the spores to be at increased risk of developing Valley Fever. Moreover, exposure to *Coccidioides immitis* does not guarantee that an individual will become ill—approximately 60% of people exposed to the fungal spores are asymptomatic and show no signs of an infection (USGS 2000).

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

3.1.3 Sensitive Receptors

Some land uses are considered more sensitive to changes in air quality than others, depending on the population groups and the activities involved. The SDAPCD identifies sensitive receptors as those who are especially susceptible to adverse health effects from exposure to TACs, such as children, the elderly, and the ill. Sensitive receptors include schools (grades Kindergarten through 12), day care centers, nursing homes, retirement homes, health clinics, and hospitals within two kilometers of the facility (SDAPCD 2019).

The nearest existing sensitive receptors is the Little People Preschool and Daycare located 707 feet south of the Project's southern boundary. Other sensitive receptors include Mission Sports Park located 1,760 feet northeast of the Project's northeastern boundary, multi-family residential uses located 2,020 feet southeast of the Project's southern boundary and Bradley Park located 3,400 feet west of the Project's western boundary.

3.2 Regulatory Setting

3.2.1 Federal Regulations

3.2.1.1 Criteria Air Pollutants

The federal Clean Air Act, passed in 1970 and last amended in 1990, forms the basis for the national air pollution control effort. The EPA is responsible for implementing most aspects of the Clean Air Act, including setting National Ambient Air Quality Standards (NAAQS) for major air pollutants; setting hazardous air pollutant (HAP) standards; approving state attainment plans; setting motor vehicle emission standards; issuing stationary source emission standards and permits; and establishing acid rain control measures, stratospheric O_3 protection measures, and enforcement provisions. Under the Clean Air Act, NAAQS are established for the following criteria pollutants: O_3, CO, NO_2, SO_2, PM_{10}, $PM_{2.5}$, and lead.

The NAAQS describe acceptable air quality conditions designed to protect the health and welfare of the citizens of the nation. The NAAQS (other than for O_3, NO_2, SO_2, PM_{10}, $PM_{2.5}$, and those based on annual averages or arithmetic mean) are not to be exceeded more than once per year. NAAQS for O_3, NO_2, SO_2, PM_{10}, and $PM_{2.5}$ are based on statistical calculations over 1- to 3-year periods, depending on the pollutant. The Clean Air Act requires the EPA to reassess the NAAQS at least every 5 years to determine whether adopted standards are adequate to protect public health based on current scientific evidence. States with areas that exceed the NAAQS must prepare a state implementation plan that demonstrates how those areas will attain the NAAQS within mandated time frames.

3.2.1.2 Hazardous Air Pollutants

The 1977 federal Clean Air Act amendments required the EPA to identify National Emission Standards for Hazardous Air Pollutants to protect public health and welfare. HAPs include certain volatile organic chemicals, pesticides, herbicides, and radionuclides that present a tangible hazard, based on scientific studies of exposure to humans and other mammals. Under the 1990 federal Clean Air Act Amendments, which expanded the control program for HAPs, 187 substances and chemical families were identified as HAPs.

3.2.2 State Regulations

3.2.2.1 Criteria Air Pollutants

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

CARB has established California Ambient Air Quality Standards (CAAQS), which are generally more restrictive than the NAAQS. As stated previously, an ambient air quality standard defines the maximum amount of a pollutant averaged over a specified period of time that can be present in outdoor air without harm to the public's health. For each pollutant, concentrations must be below the relevant CAAQS before a basin can attain the corresponding CAAQS. Air quality is considered “in attainment” if pollutant levels are continuously below the CAAQS and violate the standards no more than once each year. The CAAQS for O_3, CO, SO_2 (1-hour and 24-hour), NO_2, PM_{10}, and $PM_{2.5}$ and visibility-reducing particles are values that are not to be exceeded.

California air districts have based their thresholds of significance for CEQA purposes on the levels that scientific and factual data demonstrate that the air basin can accommodate without affecting the attainment date for the NAAQS or CAAQS. Since an ambient air quality standard is based on maximum pollutant levels in outdoor air that would not harm the public's health, and air district thresholds pertain to attainment of the ambient air quality standard, this means that the thresholds established by air districts are also protective of human health.

The NAAQS and CAAQS are presented in Table 2.

Table 2. Ambient Air Quality Standards

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

Source: CARB 2016

Notes: O_3 = ozone; ppm = parts per million by volume; μg/m³ = micrograms per cubic meter; NO_2 = nitrogen dioxide; CO = carbon monoxide; mg/m³= milligrams per cubic meter; SO_2 = sulfur dioxide; PM_{10} = coarse particulate matter; $PM_{2.5}$ = fine particulate matter; PST = Pacific Standard Time.

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

[b] National standards (other than O_3, NO_2, SO_2, particulate matter, and those based on annual averages or annual arithmetic mean) are not to be exceeded more than once per year. The O_3 standard is attained when the fourth highest 8-hour concentration measured at each site in a year, averaged over 3 years, is equal to or less than the standard. For PM_{10}, the 24-hour standard is attained when the expected number of days per calendar year with a 24-hour average concentration above 150 μg/m³ is equal to or less than 1. For $PM_{2.5}$, the 24-hour standard is attained when 98% of the daily concentrations, averaged over 3 years, are equal to or less than the standard.

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

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

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

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

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

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

[i] On December 14, 2012, the national annual $PM_{2.5}$ primary standard was lowered from 15 μg/m³ to 12.0 μg/m³. The existing national 24-hour $PM_{2.5}$ standards (primary and secondary) were retained at 35 μg/m³, as was the annual secondary standard of 15 μg/m³. The existing 24-hour PM_{10} standards (primary and secondary) of 150 μg/m³ were also retained. The form of the annual primary and secondary standards is the annual mean averaged over 3 years.

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

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

3.2.2.2 Toxic Air Contaminants

The state Air Toxics Program was established in 1983 under AB 1807 (Tanner). The California TAC list identifies more than 200 pollutants, of which carcinogenic and noncarcinogenic toxicity criteria have been established for a subset of these pollutants pursuant to the California Health and Safety Code. In accordance with AB 2728, the state list includes the (federal) HAPs. In 1987, the Legislature enacted the Air Toxics "Hot Spots" Information and Assessment Act of 1987 (AB 2588) to address public concern over the release of TACs into the atmosphere. AB 2588 law requires facilities emitting toxic substances to provide local air pollution control districts with information that will allow an assessment of the air toxics problem, identification of air toxics emissions sources, location of resulting hotspots, notification of the public exposed to significant risk, and development of effective strategies to reduce potential risks to the public over 5 years. TAC emissions from individual facilities are quantified and prioritized. "High-priority" facilities are required to perform a health risk assessment, and if specific thresholds are exceeded, the facility operator is required to communicate the results to the public in the form of notices and public meetings.

In 2000, CARB approved a comprehensive Diesel Risk Reduction Plan to reduce diesel emissions from both new and existing diesel-fueled vehicles and engines (CARB 2000).. Additional regulations apply to new trucks and diesel fuel, including the On-Road Heavy Duty Diesel Vehicle (In-Use) Regulation, the On-Road Heavy Duty (New) Vehicle Program, the In-Use Off-Road Diesel Vehicle Regulation, and the New Off-Road Compression-Ignition (Diesel) Engines and Equipment program. These regulations and programs have timetables by which manufacturers must comply and existing operators must upgrade their diesel-powered equipment. There are several Airborne Toxic Control Measures (ATCMs) that reduce diesel emissions, including In-Use Off-Road Diesel-Fueled Fleets (13 CCR 2449 et seq.) and In-Use On-Road Diesel-Fueled Vehicles (13 CCR 2025).

Idling of Commercial Heavy-Duty Trucks (13 CCR 2485)

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

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

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

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

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

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

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

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

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

California Health and Safety Code Section 41700

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

3.2.3 Local Regulations

3.2.3.1 San Diego Air Pollution Control District

San Diego Air Pollution Control District

While CARB is responsible for the regulation of mobile emission sources within the state, local air quality management districts and air pollution control districts are responsible for enforcing standards and regulating stationary sources. The project site is located within the SDAB, which is under the jurisdiction of the SDAPCD, and is therefore, subject to the guidelines and regulations of SDAPCD. Federal and State attainment plans adopted by the SDAPCD are summarized below.

Federal Attainment Plans

SDAPCD has prepared the 2020 Plan for Attaining the National Ambient Air Quality Standards for Ozone in San Diego County (2020 Attainment Plan) that demonstrates how the region will further reduce air pollutant emissions to attain the current NAAQS for ozone. The 2020 Attainment Plan was approved by the SDAPCD on October 14, 2020. On November 19, 2020, CARB adopted the 2020 Attainment Plan for attaining the Federal 8-hour 75 ppb and 70 ppb Ozone standards and projects attainment for the standards by 2026 and 2032, respectively (SDAPCD 2020a). The 2020 Attainment Plan will be submitted to the EPA as a revision to the California State Implementation Plan (SIP) for attaining the ozone NAAQS.

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

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

State Attainment Plans

SDAPCD and the San Diego Association of Governments (SANDAG) are responsible for developing and implementing the clean air plan for attainment and maintenance of the ambient air quality standards in the SDAB.

The RAQS for the SDAB was initially adopted in 1991 and is updated every 3 years, most recently in 2016 (SDAPCD 2016b). The RAQS outlines SDAPCD's plans and control measures designed to attain the CAAQS for O_3. The RAQS relies on information from CARB and SANDAG, including mobile and area source emissions, as well as information regarding projected growth in the County and the cities in the County, to forecast future emissions and then determine from that the strategies necessary for the reduction of emissions through regulatory controls. The CARB mobile source emission projections and SANDAG growth projections are based on population, vehicle trends, and land use plans developed by the County and the cities in the County as part of the development of their general plans (SANDAG 2020, 2021).

In December 2016, SDAPCD adopted the revised RAQS for the County. Since 2007, the San Diego region has reduced daily VOC emissions and NO_x emissions by 3.9% and 7.0%, respectively; SDAPCD expects to continue reductions through 2035 (SDAPCD 2016b). These reductions were achieved through implementation of six VOC control measures and three NO_x control measures adopted in SDAPCD's 2009 RAQS (SDAPCD 2009a); in addition, SDAPCD is considering additional measures, including three VOC measures and four control measures to reduce 0.3 daily tons of VOCs and 1.2 daily tons of NO_x, provided they are found to be feasible region-wide. In addition, SDAPCD has implemented nine incentive-based programs, has worked with SANDAG to implement regional transportation control measures, and has reaffirmed the state emission offset repeal.

The 2022 RAQS was adopted by the SDAPCD Board on March 9, 2023. The RAQS seeks to protect public health and the environment by improving air quality. The 2022 update also complements regional actions addressing greenhouse gases and climate change.

Regarding particulate matter emissions reduction efforts, in December 2005, SDAPCD prepared a report titled "Measures to Reduce Particulate Matter in San Diego County" to address implementation of Senate Bill (SB) 656 in San Diego County (SB 656 required additional controls to reduce ambient concentrations of PM_{10} and $PM_{2.5}$) (SDAPCD 2005). In the report, SDAPCD evaluated the implementation of source-control measures that would reduce particulate matter emissions associated with residential wood combustion; various construction activities including earthmoving, demolition, and grading; bulk material storage and handling; carryout and trackout removal and cleanup methods; inactive disturbed land; disturbed open areas; unpaved parking lots/staging areas; unpaved roads; and windblown dust (SDAPCD 2005).

SDAPCD Rules and Regulations

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

- SDAPCD Regulation IV: Prohibitions; Rule 50: Visible Emissions. Prohibits any activity causing air contaminant emissions darker than 20% opacity for more than an aggregate of 3 minutes in any consecutive 60-minute time period. In addition, Rule 50 prohibits any diesel pile-driving hammer activity causing air contaminant emissions for a period or periods aggregating more than 4 minutes during the driving of a single pile (SDAPCD 1997).
- SDAPCD Regulation IV: Prohibitions; Rule 51: Nuisance. Prohibits the discharge, from any source, of such quantities of air contaminants or other materials that cause or have a tendency to cause injury, detriment, nuisance, annoyance to people and/or the public, or damage to any business or property (SDAPCD 1976).
- SDAPCD Regulation IV: Prohibitions; Rule 55: Fugitive Dust. Regulates fugitive dust emissions from any commercial construction or demolition activity capable of generating fugitive dust emissions, including

active operations, open storage piles, and inactive disturbed areas, as well as track-out and carry-out onto paved roads beyond a project site (SDAPCD 2009b).

- SDAPCD Regulation IV: Prohibitions; Rule 67.0.1: Architectural Coatings. Requires manufacturers, distributors, and end users of architectural and industrial maintenance coatings to reduce VOC emissions from the use of these coatings, primarily by placing limits on the VOC content of various coating categories (SDAPCD 2015a).
- SDAPCD Regulation IV: Prohibitions; Rule 67.7: Cutback and Emulsified Asphalts. This rule prohibits manufacturers, distributors, and end users of cutback and emulsified asphalt materials for the paving, construction or maintenance of parking lots, driveways, streets and highways from applying asphalt material or road oils which contain more than 0.5 percent by volume VOC which evaporate at 260° C (500 ° F) or less (SDAPCD 1979).

3.2.3.2 San Diego Association of Governments

SANDAG is the regional planning agency for the County and serves as a forum for regional issues relating to transportation, the economy, community development, and the environment. SANDAG serves as the federally designated metropolitan planning organization for the County. With respect to air quality planning and other regional issues, SANDAG has prepared San Diego Forward: The Regional Plan (Regional Plan) for the San Diego region (SANDAG 2015). The Regional Plan combines the big-picture vision for how the region will grow over the next 35 years with an implementation program to help make that vision a reality. The Regional Plan, including its Sustainable Communities Strategy (SCS), is built on an integrated set of public policies, strategies, and investments to maintain, manage, and improve the transportation system so that it meets the diverse needs of the San Diego region through 2050. The Regional Plan was updated in 2021, which was the result of years of planning, data analysis, and community engagement to reimagine the San Diego region with a transformative transportation system, a sustainable pattern of growth and development, and innovative demand and management strategies (SANDAG 2021). The 2021 Regional Plan includes a SCS, which describes coordinated transportation and land use planning that exceeds the state's target for reducing per capita GHG emissions set by CARB. The state-mandated target is a 19% reduction—compared with 2005—in per capita GHG emissions from cars and light-duty trucks by 2035. The 2021 Regional Plan achieves a 20% reduction by then. The 2021 Regional Plan also puts forth a forecasted development pattern that is driven by regional goals for sustainability, mobility, housing affordability, and economic prosperity.

3.2.3.3 City of San Marcos

The City's General Plan (City of San Marcos 2012) includes various policies related to reducing Air Quality and GHG emissions. Air quality policies that would be applicable to the Project include:

Land Use and Community Design Element

Policy LU-2.1: Promote compact development patterns that reduce air pollution and automobile dependence and facilitate walking, bicycling, and transit use.

Policy LU-3.1: Require that new development and redevelopment incorporate connections and reduce barriers between neighborhoods, transit corridors, and activity centers within the City.

Mobility Element

Policy M-2.1: Work with new development to design roadways that minimize traffic volumes and/or speed, as appropriate within residential neighborhoods; while maintaining the City's desire to provide connectivity on the roadway network.

Conservation and Open Space Element

Policy COS-4.6: Promote efficient use of energy and conservation of available resources in the design, construction, maintenance and operation of public and private facilities, infrastructure and equipment.

Policy COS-4.8: Encourage and support the generation, transmission and use of renewable energy.

3.3 Regional and Local Air Quality Conditions

3.3.1 San Diego Air Basin Attainment Designation

Pursuant to the 1990 federal Clean Air Act amendments, the EPA classifies air basins (or portions thereof) as "attainment" or "nonattainment" for each criteria air pollutant, based on whether the NAAQS have been achieved. Generally, if the recorded concentrations of a pollutant are lower than the standard, the area is classified as "attainment" for that pollutant. If an area exceeds the standard, the area is classified as "nonattainment" for that pollutant. If there is not enough data available to determine whether the standard is exceeded in an area, the area is designated as "unclassified" or "unclassifiable." The designation of "unclassifiable/attainment" means that the area meets the standard or is expected to be meet the standard despite a lack of monitoring data. Areas that achieve the standards after a nonattainment designation are re-designated as maintenance areas and must have approved Maintenance Plans to ensure continued attainment of the standards. The California Clean Air Act, like its federal counterpart, called for the designation of areas as "attainment" or "nonattainment," but based on CAAQS rather than the NAAQS. Table 3 depicts the current attainment status of the Project site with respect to the NAAQS and CAAQS.

Table 3. San Diego Air Basin Attainment Classification

Pollutant	Designation/Classification	
	National Standards	California Standards
Ozone (O_3) – 1-hour	Attainment (maintenance)[a]	**Nonattainment**
Ozone (O_3) – 8-hour	**Nonattainment (severe)**	**Nonattainment**
Nitrogen dioxide (NO_2)	Unclassifiable/attainment[b]	Attainment
Carbon monoxide (CO)	Unclassifiable/attainment	Attainment
Sulfur dioxide (SO_2)	Unclassifiable/attainment	Attainment
Respirable particulate matter (PM_{10})	Unclassifiable/attainment	**Nonattainment**
Fine particulate matter ($PM_{2.5}$)	Unclassifiable/attainment	**Nonattainment**
Lead (Pb)	Attainment	Attainment
Sulfates (SO_4)	No national standard	Attainment
Hydrogen sulfide (H_2S)	No national standard	Unclassified

Table 3. San Diego Air Basin Attainment Classification

Pollutant	Designation/Classification	
	National Standards	California Standards
Vinyl chloride	No national standard	No designation
Visibility-reducing particles	No national standard	Unclassified

Sources: EPA 2021a (national); CARB 2020 (state).
Definitions: Attainment = meets the standards; attainment/maintenance = achieve the standards after a nonattainment designation; nonattainment = does not meet the standards; unclassified or unclassifiable = insufficient data to classify; unclassifiable/attainment = meets the standard or is expected to be meet the standard despite a lack of monitoring data.
Notes: SDAB = San Diego; O_3 = ozone; CO = carbon monoxide; PM_{10} = coarse particulate matter; $PM_{2.5}$ = fine particulate matter; NO_2 = nitrogen dioxide; SO_2 = sulfur dioxide.
[a] The national 1-hour standard of 0.12 parts per million (ppm) was in effect from 1979 through June 15, 2005. The revoked standard is referenced here because it was employed for such a long period and because this benchmark is addressed in SIPs.
[b] The western and central portions of the SDAB are designated attainment, while the eastern portion is designated unclassifiable/ attainment.

In summary, the EPA has designated the SDAB as a nonattainment area for the federal 8-hour O_3 standard, and CARB has designated the SDAB as a nonattainment area for the state 1-hour and 8-hour O_3 standards. The SDAB has been designated as a nonattainment area for the state 24-hour and annual PM_{10} standards and as a nonattainment area for the state annual $PM_{2.5}$ standard. The SDAB is designated as unclassified or attainment for all other criteria air pollutants.

3.3.2 Local Ambient Air Quality

CARB, air districts, and other agencies monitor ambient air quality at approximately 250 air quality monitoring stations across the state. SDAPCD operates a network of ambient air monitoring stations throughout San Diego County, which measure ambient concentrations of pollutants and determine whether the ambient air quality meets the CAAQS and the NAAQS. Air quality monitoring stations usually measure pollutant concentrations 10 feet above ground level; therefore, air quality is often referred to in terms of ground-level concentrations. The SDAPCD monitors air quality conditions at 11 locations throughout the SDAB. Escondido – East Valley Parkway monitoring station ceased to collect data post-2015; thus, due to proximity to the site and similar geographic and climactic characteristics, the Camp Pendleton, San Diego-Rancho Carmel Drive, San Diego–Kearny Villa Road, and El Cajon-Lexington Elementary School monitoring station concentrations for all pollutants are considered most representative of the Project site. Ambient concentrations of pollutants from 2019 through 2021 are presented in Table 4.

Table 4. Local Ambient Air Quality Data

Averaging Time	Unit	Agency/ Method	Ambient Air Quality Standard	Measured Concentration by Year			Exceedances by Year		
				2019	2020	2021	2019	2020	2021
Ozone (O_3) – Camp Pendleton									
Maximum 1-hour concentration	ppm	State	0.12	0.075	0.094	0.074	0	0	0
Maximum 8-hour concentration	ppm	State	0.070	0.065	0.074	0.059	0	3	0
		Federal	0.070	0.064	0.074	0.059	0	3	0

Table 4. Local Ambient Air Quality Data

Averaging Time	Unit	Agency/ Method	Ambient Air Quality Standard	Measured Concentration by Year			Exceedances by Year		
				2019	2020	2021	2019	2020	2021
Nitrogen Dioxide (NO_2) – San Diego – Rancho Carmel Drive									
Maximum 1-hour concentration	ppm	State	0.18	0.054	0.054	0.054	0	0	0
		Federal	0.100	0.054	0.054	0.054	0	0	0
Annual concentration	ppm	State	0.030	0.014	0.014	0.013	—	—	—
		Federal	0.053	0.014	0.014	0.013	—	—	—
Carbon Monoxide (CO) – San Diego – Rancho Carmel Drive									
Maximum 1-hour concentration	ppm	State	20	4.1	3.3	3.0	0	0	0
		Federal	35	4.1	3.3	3.0	0	0	0
Maximum 8-hour concentration	ppm	State	9.0	2.5	1.7	1.8	0	0	0
		Federal	9	2.5	1.7	1.8	0	0	0
Sulfur Dioxide (SO_2) – El Cajon-Lexington Elementary School									
Maximum 1-hour concentration	ppm	Federal	0.075	0.0008	0.0017	0.002	0	0	0
Maximum 24-hour concentration	ppm	Federal	0.14	0.0003	0.0004	0.002	0	0	0
Annual concentration	ppm	Federal	0.030	0.00007	0.00009	ND	—	—	—
Coarse Particulate Matter (PM_{10})[a] – San Diego – El Cajon – Lexington Elementary School									
Maximum 24-hour concentration	µg/m³	State	50	37.4	ND	ND	0.0 (0)	ND (0)	ND (0)
		Federal	150	38.7	ND	ND	0.0 (0)	ND (0)	ND (0)
Annual concentration	µg/m³	State	20	23	ND	ND	—	—	—
Fine Particulate Matter ($PM_{2.5}$)[a] – San Diego – Kearny Villa Road									
Maximum 24-hour concentration	µg/m³	Federal	35	16.2	47.5	20.9	0.0 (0)	5.8 (2)	0.0 (0)
Annual concentration	µg/m³	State	12	ND	ND	ND	—	—	—
		Federal	12.0	7.0	8.7		—	—	—

Sources: CARB 2022b; EPA 2022a.

Notes: ppm = parts per million by volume; ND = insufficient data available to determine the value; — = not available; µg/m³ = micrograms per cubic meter.

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

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

The Camp Pendleton monitoring station is located at 21441 West B Street, Camp Pendleton, California.

The San Diego-Rancho Carmel Drive monitoring station is located at 11403 Rancho Carmel Drive, San Diego, California.

The El Cajon-Lexington Elementary School monitoring station is located at 533 First Street, El Cajon, California.

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

3.4 Significance Criteria and Methodology

3.4.1 Thresholds of Significance

The significance criteria used to evaluate the Project impacts to air quality is based on the recommendations provided in Appendix G of the CEQA Guidelines. For the purposes of this air quality analysis, a significant impact would occur if the Project would (14 CCR 15000 et seq.):

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

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

County of San Diego and SDAPCD

Neither the City of San Marcos nor the SDAPCD have developed CEQA thresholds of significance for air quality; however, the County of San Diego has established CEQA screening-level thresholds for air quality impact analyses based on the SDAPCD Air Quality Impact Assessments trigger levels, which are based on emissions levels identified under the New Source Review program. As part of its air quality permitting process, SDAPCD has established thresholds in Rule 20.2 and Rule 20.3 requiring the preparation of Air Quality Impact Assessments for permitted stationary sources (non-major and major stationary sources, respectively) (SDAPCD 2020b, 2021). SDAPCD sets forth quantitative emission thresholds below which a stationary source would not have a significant impact on ambient air quality. Because SDAPCD Rules 20.2 and 20.3 do not identify a VOC threshold, the County of San Diego established a VOC threshold based on the South Coast Air Quality Management District's VOC threshold.

For CEQA purposes, the screening-level thresholds established by the County of San Diego can be used as numeric methods to demonstrate that a project's total emissions would not result in a significant impact to air quality for projects within San Diego County. Accordingly, the thresholds listed in Table 5 are used to evaluate whether Project-related emissions could cause a significant impact on air quality. For nonattainment pollutants, if emissions exceed the thresholds shown in Table 5, the Project could have the potential to result in a cumulatively considerable net increase in these pollutants and thus, could have a significant impact on the ambient air quality; conversely, emissions below the screening-level thresholds would not cause a significant impact. A project that involves a use that would produce objectionable odors would be deemed to have a significant odor impact if it would affect a considerable number of off-site receptors.

Table 5. Air Quality Significance Thresholds – Construction and Operational Emissions

Pollutant	Total Emissions		
	Pounds per Hour	Pounds per Day	Tons per Year
Respirable particulate matter (PM_{10})	—	100	15
Fine particulate matter ($PM_{2.5}$)	—	55	10
Oxides of nitrogen (NO_x)	25	250	40
Sulfur oxides (SO_x)	25	250	40
Carbon monoxide (CO)	100	550	100
Lead and lead compounds	—	3.2	0.6
Volatile organic compounds (VOC)	—	75[a]	13.7

Source: SDAPCD Rules 20.2(d)(2) and 20.3(d)(2).

[a] VOC threshold based on South Coast Air Quality Management District (SCAQMD) levels for Coachella Valley, which have similar federal and state attainment status to San Diego.

3.4.2 Approach and Methodology

The California Emissions Estimator Model (CalEEMod) Version 2022 was used to estimate emissions from construction and operation of the Project (CAPCOA 2022). CalEEMod is a statewide computer model developed in cooperation with air districts throughout the state to quantify criteria air pollutant and GHG emissions associated with construction activities and operation of a variety of land use projects, such as residential, commercial, and industrial facilities. CalEEMod input parameters, including the land use type used to represent the Project and its size, construction schedule, and anticipated use of construction equipment, were based on information provided by the Project applicant or default model assumptions if Project specifics were unavailable. Table 6 provides a summary of the land use inputs included in the CalEEMod modeling for construction and operation.

Table 6. CalEEMod Land Use Development Summary for the Proposed Project

Project Component	CalEEMod Land Use Type	Land Use Amount (Size)	Land Use Size Metric	Building Square Footage	Land Use Acreage
Multi-family Residential Townhomes including garages	Residential – Condo/Townhouse	109[a]	du	169,282[b]	3.0
Commercial Uses – Specialty Retail/Strip Commercial	Retail – Regional Shopping Center	49.266	ksf	49,266	2.0
Commercial Uses – Standard Office	Commercial – General Office Building	7.658	ksf	7,658	0.21
Commercial Parking and Residential Visitor Parking	Parking – Parking Lot	312[c]	sp	0	3.5
Residential streets/alleys	Parking – Other Asphalt Surfaces	2	ac	0	2

Table 6. CalEEMod Land Use Development Summary for the Proposed Project

Project Component	CalEEMod Land Use Type	Land Use Amount (Size)	Land Use Size Metric	Building Square Footage	Land Use Acreage
Miscellaneous surface areas (walkways, loading/unloading areas, etc.)	Parking – Other Non-Asphalt Surfaces	1.32	ac	0	1.32

Notes: ksf = 1,000 square feet; du = dwelling unit; ac = acre, sp = parking space
a. Includes 7 live-work units included on the commercial site.
b. Includes 16,293 square feet of common space, and 7,162 square feet of live/work space.
c. Includes 34 parking spaces for residential visitors

3.4.2.1 Construction Emissions

Criteria air pollutant emissions associated with construction of the Project were estimated using CalEEMod for the following emission sources: operation of off-road construction equipment, fugitive dust, VOC off-gassing from paving and architectural coating, on-road hauling, and vendor (material delivery) trucks, and worker vehicles. Construction scenario assumptions, including phasing, equipment mix, and vehicle trips, were based on CalEEMod default values with an estimated construction start date in February 2024 and buildout completed in May 2025.

Table 7 provides a summary of the Project construction schedule. The construction schedule used in the analysis represents a "worst-case" analysis scenario since emission factors for construction equipment decrease as the analysis year increases due to improvements in technology and more stringent regulatory requirements. The duration of construction activity and associated equipment represents a reasonable approximation of the expected construction fleet as required pursuant to CEQA guidelines.

Table 7. Project Construction Schedule

Construction Task	Start Date	End Date	Workdays
Demolition	2/6/2024	3/5/2024	20
Site Preparation	3/6/2024	3/20/2024	10
Grading	3/21/2024	4/18/2024	20
Building Construction	4/19/2024	3/7/2025	230
Paving	3/8/2025	4/5/2025	20
Architectural Coating	4/6/2025	5/4/2025	20

CalEEMod default trip length values were used for the distances for worker, vendor truck, and haul truck trips. It was assumed that heavy construction equipment would be operating at the site for approximately 5 days per week (22 days per month) during Project construction. Construction scenario assumptions, including phasing, vehicle trips, and equipment mix, used for estimating Project-generated construction emissions are shown in Table 8.

Table 8. Construction Scenario Assumptions

Task	One-Way Vehicle Trips			Equipment		
	Worker One-Way Trips per Day	Vendor Truck One-Way Trips per Day	Haul Truck One-Way Trips per Day	Equipment Type	Quantity	Daily Usage Hours
Demolition	14	0	64	Rubber-tired dozers	2	8
				Excavators	2	8
				Concrete/ Industrial Saws	1	8
Site Preparation	18	0	0	Rubber-tired dozers	3	8
				Tractors/loaders/ backhoes	4	8
Grading	20	0	0	Graders	1	8
				Excavators	2	8
				Tractors/ loaders/ backhoes	2	8
				Rubber-tired dozers	1	8
				Scrapers	2	8
Building Construction	92	22	0	Forklifts	3	8
				Generator sets	1	8
				Cranes	1	7
				Welders	1	8
				Tractors/ loaders/ backhoes	3	7
Paving	16	0	0	Pavers	2	8
				Paving equipment	2	8
				Rollers	2	8
Architectural Coating	20	0	0	Air compressors	1	6

Construction of Project components would be subject to SDAPCD Rule 55 – Fugitive Dust Control. This rule requires that construction of project components include steps to restrict visible emissions of fugitive dust beyond the property line (SDAPCD 2009b). Compliance with Rule 55 would limit fugitive dust (PM_{10} and $PM_{2.5}$) that may be generated during grading and construction activities. To reflect implementation of proposed dust control strategies, it was assumed that the exposed areas would be watered two times per day (55% reduction in PM_{10} and $PM_{2.5}$).

3.4.2.2 Operational Emissions

Project-generated operational criteria air pollutant emissions were estimated for area sources, energy sources, and mobile sources using CalEEMod. The first full year of operations was assumed to be 2026, consistent with the anticipated end of construction. This provides a conservative estimate as emissions would decrease as the buildout year increase because of improved vehicle technologies and more stringent regulations. The calculation of area, energy, and mobile air pollutant emissions is explained below.

Area Sources

CalEEMod was used to estimate operational emissions from area sources, including emissions from consumer product use, architectural coatings, and landscape maintenance equipment. Emissions associated with natural gas usage in space heating and water heating are calculated in the building energy use module of CalEEMod, as described in the following text. Given the Project's density, it was assumed that the residential portion of the project would not include woodburning fireplaces.

Consumer products are chemically formulated products used by household and institutional consumers, including detergents; cleaning compounds; polishes; floor finishes; cosmetics; personal care products; home, lawn, and garden products; disinfectants; sanitizers; aerosol paints; and automotive specialty products. Other paint products, furniture coatings, or architectural coatings are not considered consumer products (CAPCOA 2022). Consumer product VOC emissions are estimated in CalEEMod based on the floor area of nonresidential buildings and on the default factor of pounds of VOC per building square foot per day. For parking lot land uses, CalEEMod estimates VOC emissions associated with use of parking surface degreasers based on a square footage of parking surface area and pounds of VOC per square foot per day.

VOC off-gassing emissions result from evaporation of solvents contained in surface coatings such as in paints and primers using during building maintenance. CalEEMod calculates the VOC evaporative emissions from application of nonresidential surface coatings based on the VOC emission factor, the building square footage, the assumed fraction of surface area, and the reapplication rate. The VOC emission factor is based on the VOC content of the surface coatings, and SDAPCD Rule 67.0.1 (Architectural Coatings) governs the VOC (or ROG) content for interior and exterior coatings, which is 50 grams per liter VOC for the interiors and exteriors of the buildings. The CalEEMod default of 100 grams per liter was assumed for parking area coatings. The model default reapplication rate of 10% of area per year is assumed. Consistent with CalEEMod defaults, it is assumed that the nonresidential surface area for painting equals 2.0 times the floor square footage, with 75% assumed for interior coating and 25% assumed for exterior surface coating (CAPCOA 2022). For the parking lot, the architectural coating area is assumed to be 6% of the total square footage, consistent with the supporting CalEEMod studies provided as an appendix to the CalEEMod User's Guide (CAPCOA 2022).

Landscape maintenance includes fuel combustion emissions from equipment such as lawn mowers, rototillers, shredders/grinders, blowers, trimmers, chain saws, and hedge trimmers. The emissions associated from landscape equipment use are estimated based on CalEEMod default values for emission factors (grams per square foot of nonresidential building space per day) and number of summer days (when landscape maintenance would generally be performed) and winter days. For San Diego County, the average annual "summer" days are estimated to 365 days; however, it is assumed that landscaping equipment would likely only operate during the week (not weekends), so operational days were assumed to be 180 days per year in CalEEMod (CAPCOA 2022).

Energy Sources

As represented in CalEEMod, energy sources include emissions associated with building electricity and natural gas usage (non-hearth). Electricity use would contribute indirectly to criteria air pollutant emissions; however, the emissions from electricity use are only quantified for GHGs in CalEEMod, because criteria pollutant emissions occur at the site of the power plant, which is typically off-site. Therefore, for the purposes of the air quality analysis, the energy source parameters focus on criteria air pollutants generated because of natural gas consumption within the built environment. Natural gas consumption is attributed to systems like heating, ventilation, and air conditioning and water heating. CalEEMod assumes compliance with the 2019 Title 24 code.

Mobile Sources

The Project would generate criteria pollutant emissions from mobile sources (vehicular traffic) because of the passenger vehicle trips associated with the residential uses and commercial uses (i.e. residents, visitors, employees, customers).

Emissions from the mobile sources during operation of the Project were estimated in CalEEMod. The daily trip rates were taken from Traffic Impact Analysis average daily trips per day with an 18% reduction for internal capture. The daily trip rate was assumed for 7 days per week. The residential passenger vehicle trips were assumed to be CalEEMod default trip lengths of 9.75 miles for home-work trips, 4.32 miles home-shopping, and 4.75 for home-other trips. A home-work trip represents trips traveling in either direction between home and work locations. A home-shop trip represents trips traveling in either direction between home and shopping destinations (generally retail). A home-other trip represents trips traveling in either direction between home and all other locations that are not work or shopping destinations (e.g., school, park, gym).

The commercial passenger vehicle trip lengths were assumed to be CalEEMod default trip lengths of 12.42 miles home-work trips, 6.65 miles for work-other trips, and 5.98 miles for other-other trips. A home-work trip is the same as defined above for residential. A work-other trip is made by an employee traveling in either direction between a work location and all other locations that are not home. An other-other trip is made by a person traveling in either direction between land uses that do not involve home or work locations (e.g. school, park, gym).

Vehicle emissions occur during startup, operation (running), and idling, as well as from evaporative losses when the engines are resting. The emissions factors for motor vehicles were determined using CalEEMod defaults.

3.5 Impact Analysis

3.5.1 Would the project conflict with or obstruct implementation of the applicable air quality plan? (AQ-1)

As previously discussed, the SDAPCD is responsible for developing and implementing the clean air plans for attainment and maintenance of the ambient air quality standards in the basin—specifically, the SIP and RAQS.[4] SANDAG is responsible for developing forecasts and data that are used by SDAPCD in preparing the SIP and RAQS. The federal O_3 maintenance plan, which is part of the SIP, was adopted in 2012. The SIP includes a demonstration

[4] For this discussion, the relevant federal air quality plan is the Ozone Maintenance Plan (SDAPCD 2012). The RAQS is the applicable plan for purposes of State air quality planning. Both plans reflect growth projections in the basin.

that current strategies and tactics will maintain acceptable air quality in the basin based on the NAAQS. The RAQS, most recently updated in 2016, outlines SDAPCD's plans and control measures designed to attain the state air quality standards for O_3. The SIP and RAQS rely on information from CARB and SANDAG, including mobile and area source emissions as well as information regarding projected growth in the County as a whole and the cities in the County, to project future emissions and determine the strategies necessary for the reduction of emissions through regulatory controls. CARB mobile source emission projections and SANDAG growth projections are based on population, vehicle trends, and land use plans developed by the County and the cities in the County as part of the development of their general plans.

While the SDAPCD and City do not provide guidance regarding the analysis of impacts associated with air quality plan conformance, the County's *Guidelines for Determining Significance and Report and Format and Content Requirements – Air Quality* does discuss conformance with the RAQS (County of San Diego 2007). The guidance indicates that, if the Project, in conjunction with other projects, contributes to growth projections that would not exceed SANDAG's growth projections for the City, the Project would not be in conflict with the RAQS (County of San Diego 2007). If a project includes development that is greater than that anticipated in the local plan and SANDAG's growth projections, the Project might conflict with the SIP and RAQS and may contribute to a potentially significant cumulative impact on air quality.

3.5.1.1 General Plan/Zoning Comparison of Development

The Project site is designated as Commercial (C) in the City's General Plan and is zoned Commercial (C). The Project proposes to redesignate the site to Specific Plan Area (SPA) and create a mixed-use development. The Project would add a total of 102 townhomes and 7 live/work units along with specialty retail/commercial/office uses. The City's Commercial designation and zoning allows for a several permitted uses. A mixture of commercial retail and office was selected to reflect potential development on the project site. Based on the City's development code, the Commercial designation would allow for greater development intensity based on generation of more vehicle trips and vehicle miles traveled as shown in Table 9, below. As such, the Project would result in less criteria air pollutant emissions, and thus less intensive uses, than development allowed under the existing Commercial designation.

Table 9. Development Intensity Comparison

Development	Land Use Developed	Residents	Employees	Total Vehicle Trips Per Year	Vehicle Miles Traveled
Proposed Project	102 townhomes, 7 live/work units 49,266 square feet of commercial/specialty retail 7,658 square feet of office	329	115	763,476	3,329,732
Existing General Plan Land Use Designation Commercial	Mixed Use Development - 129,000 square feet of regional retail and 40,000 square feet of office, 1 acre of parking (based on < 0.7 FAR)	0	366	1,829,408	7,413,261

Sources: City of San Marcos General Plan, 2012, City of San Marcos Municipal Code 2022, ITE 2008, SANDAG 2008

3.5.1.2 SANDAG Comparison of Population, Housing, Employment

SANDAG produces a Regional Growth Forecast, which is important for developing regional plans and strategies mandated by federal and state governments such as the Regional Transportation Plan (RTP)/Sustainable Communities Strategy (SCS), the Program Environmental Impact Report (EIR) for the RTP/SCS, the Air Quality Management Plan, the Federal Transportation Improvement Program, and the Regional Housing Needs Assessment (RHNA). The most recent RTP/SCS was adopted in December 2021 with a planning horizon of 2016 through 2050. The growth forecasts are appended to the RTP/SCS. Appendix F of the 2021 Regional Plan describes the trends in population, housing, and employment. The San Diego region is expected to grow by nearly 437,000 people and the growth in population will add about 440,000 jobs and more than 280,000 housing units (SANDAG 2021).

The forecast process includes two main phases. The first phase of the forecast is produced using California Department of Finance (DOF) population projections and rates developed by SANDAG based on historic economic and demographic trends. The size and makeup of the working age population in the region and high labor force participation is used to project future job growth. The projected higher values in working age population, coupled with older residents staying in the labor force longer results in more jobs in the region by the end of the forecast period. Housing units and households in the region were forecasted based on rates developed from historical data as well as assumptions of housing unit development and household formation in the future. The second phase of the forecast allocates the forecasted growth down to the jurisdictions and smaller geographical areas. The subregional forecast distributes growth based on a variety of factors, including available capacity for housing and accessibility to jobs and transportation. SANDAG works with the region's 18 cities, the County of San Diego, and other agencies that manage land use to understand local land use plans, such as general plans, community plans, and specific plans, as well as constraints to development and already permitted projects to develop the subregional projections for housing and employment. Table 10 shows the population, housing units, and employment projections for the City and the San Diego region for the 2021 Regional Plan.

Table 10. Population, Housing, and Employment

Year	City of San Marcos			San Diego Region		
	Population	Housing Units	Employment	Population	Housing Units	Employment
2016	94,258	30,539	41,527	3,309,510	1,190,555	1,646,419
2025	102,775	34,681	47,021	3,470,848	1,288,216	1,761,747
2035	103,903	34,931	54,548	3,620,348	1,409,866	1,921,475
2050	120,247	41,016	62,306	3,746,073	1,471,299	2,086,318
Change in Number (2016-2050)	25,989 (27.6%)	10,477 (34.3%)	20,779 (50.0%)	436,563 (14.2%)	280,744 (23.6%)	439,899 (26.7%)

Source: SANDAG Regional Plan 2021, Appendix F: Regional Growth Forecast and Sustainable Communities Strategy Land Use Pattern

As shown above the Project is expected to add 329 residents in 109 dwelling units and 115 employment opportunities. The added residents would represent approximately 1.2% of the anticipated population growth, 1% of the housing growth, and 0.6% of the employment growth over the RTP/SCS planning horizon. Based on the above information, the increase in population and employment would be well within the growth projections.

Level of Significance Before Mitigation

Per CEQA Guideline Section 15206(b), the Project would not be considered regionally significant because it would not have the potential to substantially affect housing, employment, or population projections within the San Diego region, which are the basis of the RAQS projections. As such, the Project would not conflict with or obstruct implementation of the RAQS. Furthermore, the Project would not result in substantial construction or operational emissions that would conflict with the local Air Quality plan.

Therefore, implementation of the Project would not conflict with the RAQS or SIP and proposed development would be consistent with the growth in the region. Impacts would be **less than significant**.

Mitigation Measures

No mitigation is required.

Level of Significance After Mitigation

Impacts would be less than significant without mitigation.

3.5.2 Would the project result in a cumulatively considerable net increase of any criteria pollutant for which the project region is non-attainment under an applicable federal or state ambient air quality standard? (AQ-2)

Past, present, and future development projects may contribute to the SDAB adverse air quality impacts on a cumulative basis. By its nature, air pollution is largely a cumulative impact. The nonattainment status of regional pollutants is a result of past and present development, and SDAPCD develops and implements plans for future attainment of ambient air quality standards. Based on these considerations, project-level thresholds of significance for criteria pollutants are used in the determination of whether a project's individual emissions would have a cumulatively considerable contribution on air quality. If a project's emissions would exceed the applied significance thresholds, it would have a cumulatively considerable contribution. Conversely, projects that do not exceed the project-specific thresholds are generally not considered to be cumulatively significant.

Construction and operation of the Project would result in emissions of criteria air pollutants, which may result in a cumulatively considerable net increase in emissions of criteria air pollutants for which the SDAB is designated as nonattainment under the NAAQS or CAAQS. As discussed previously, the SDAB has been designated as a federal nonattainment area for O_3 and a state nonattainment area for O_3, PM_{10}, and $PM_{2.5}$. The following discussion quantitatively evaluates potential short-term construction and long-term operational impacts that would result from implementation of the Project.

Construction Emissions

Proposed construction activities would result in the temporary addition of pollutants to the local airshed caused by on-site sources (i.e., off-road construction equipment, soil disturbance, and VOC off-gassing from architectural coatings and asphalt pavement application) and off-site sources (i.e., on-road haul trucks, delivery trucks, and worker

vehicle trips). Construction emissions can vary substantially from day to day, depending on the level of activity, the specific type of operation, and for dust, the prevailing weather conditions. Therefore, such emissions levels can only be estimated, with a corresponding uncertainty in precise ambient air quality impacts.

As discussed under 3.4.2.1, criteria air pollutant emissions associated with construction activity were quantified using CalEEMod. Construction emissions were calculated for the estimated worst-case day over the construction period associated with each phase and reported as the maximum daily emissions estimated during each year of construction (2024–2025). Construction schedule assumptions, including phase type, duration, and sequencing, were based on information provided by the applicant or CalEEMod defaults and are intended to represent a reasonable scenario based on the best information available. NO_x and CO emissions would primarily result from the use of construction equipment and motor vehicles.

Fugitive dust (PM_{10} and $PM_{2.5}$) emissions would primarily result from grading and site preparation activities. The Project would be required to comply with SDAPCD Rule 55, Fugitive Dust Control. This rule requires that the Project take steps to restrict visible emissions of fugitive dust beyond the property line. Compliance with Rule 55 would limit fugitive dust (PM_{10} and $PM_{2.5}$) generated during grading and construction activities. To account for dust control measures in the calculations, it was assumed that the Project would ensure that active sites be watered at least two times daily. The application of architectural coatings, such as exterior application/interior paint and other finishes would produce VOC emissions. The contractor would be required to comply with the requirements of SDAPCD's Rule 67.7, Cutback and Emulsified Asphalt, which would limit VOC emissions from asphalt off-gassing.

Table 11 presents the estimated maximum daily construction emissions generated during construction of the Project. Details of the emission calculations are provided in Appendix A.

Table 11. Estimated Maximum Daily Construction Criteria Air Pollutant Emissions - Unmitigated

Year	VOC	NO_x	CO	SO_x	PM_{10}	$PM_{2.5}$
	Pounds Per Day					
2024	3.72	36.0	33.7	0.06	10.7	5.58
2025	70.5	11.5	17.1	0.03	1.36	0.63
Maximum Daily Emissions	**70.5**	**36.0**	**33.7**	**0.06**	**10.7**	**5.58**
Threshold	*75*	*250*	*550*	*250*	*100*	*55*
Threshold Exceeded?	**No**	**No**	**No**	**No**	**No**	**No**

Notes: VOC = volatile organic compound; NO_x = oxides of nitrogen; CO = carbon monoxide; SO_x = sulfur oxides; PM_{10} = particulate matter with an aerodynamic diameter equal to or less than 10 microns; $PM_{2.5}$ = particulate matter with an aerodynamic diameter equal to or less than 2.5 microns.
See Appendix A for complete results.
The values shown are the maximum summer or winter daily emissions results from CalEEMod. Although not considered mitigation, these estimates reflect the "mitigated" CalEEMod results to account for SDAPCD Rule 55 - Fugitive Dust Control, assuming watering of the Project site two times per day.

As shown in Table 11, maximum daily construction emissions would not exceed the significance thresholds for VOC, NO_x, CO, SO_x, PM_{10}, or $PM_{2.5}$ during construction; and short-term construction air quality impacts would be less than significant.

Operation of the Project would generate VOC, NO_x, CO, SO_x, PM_{10}, and $PM_{2.5}$ emissions from mobile sources, including vehicular traffic generated by residents, employees, customers, and visitors; energy sources from natural gas usage; area sources, including the use of landscaping equipment, consumer products, natural gas hearths, and from architectural coatings. As discussed in Section 3.4.2.2, Operational Emissions, pollutant emissions associated with long-term operations were quantified using CalEEMod using a combination of Project-specific information and CalEEMod default values.

Table 12 and Table 13 present the maximum daily area, energy, and mobile source emissions associated with Project operation (year 2026) during summer and winter. Details of the emission calculations are provided in Appendix A.

Table 12. Estimated Maximum Operation Criteria Air Pollutant Emissions – Unmitigated (Summer)

Emissions Source	VOC	NO_x	CO	SO_x	PM_{10}	$PM_{2.5}$
	Pounds per Day					
Mobile	8.02	4.10	41.00	0.09	2.94	0.57
Area	1.22	1.77	9.38	0.01	0.14	0.14
Energy	0.08	0.69	0.34	<0.01	0.06	0.06
Total	**14.40**	**6.56**	**50.80**	**0.10**	**3.14**	**0.77**
Threshold	75	250	550	250	100	55
Threshold Exceeded?	**No**	**No**	**No**	**No**	**No**	**No**

Notes: VOC = volatile organic compound; NO_x = oxides of nitrogen; CO = carbon monoxide; SO_x = sulfur oxides; PM_{10} = particulate matter with an aerodynamic diameter equal to or less than 10 microns; $PM_{2.5}$ = particulate matter with an aerodynamic diameter equal to or less than 2.5 microns; <0.01 = reported value less than 0.01; negative values are presented in parentheses.
See Appendix A for complete results. Totals may not sum due to rounding.

Table 13. Estimated Maximum Operation Criteria Air Pollutant Emissions – Unmitigated (Winter)

Emissions Source	VOC	NO_x	CO	SO_x	PM_{10}	$PM_{2.5}$
	Pounds per Day					
Mobile	7.82	4.51	40.7	0.08	2.94	0.57
Area	5.35	1.69	0.72	0.01	0.14	0.14
Energy	0.04	0.69	0.34	<0.01	0.06	0.06
Total	**13.2**	**6.89**	**41.8**	**0.10**	**3.13**	**0.76**
Threshold	75	250	550	250	100	55
Threshold Exceeded?	**No**	**No**	**No**	**No**	**No**	**No**

Notes: VOC = volatile organic compound; NO_x = oxides of nitrogen; CO = carbon monoxide; SO_x = sulfur oxides; PM_{10} = particulate matter with an aerodynamic diameter equal to or less than 10 microns; $PM_{2.5}$ = particulate matter with an aerodynamic diameter equal to or less than 2.5 microns; <0.01 = reported value less than 0.01; negative values are presented in parentheses.
See Appendix A for complete results. Totals may not sum due to rounding.

As shown in Table 12 and Table 13, maximum daily operational emissions from the Project would not exceed the significance thresholds for VOC, NO_x, CO, SO_x, PM_{10}, or PM2.5; long-term air quality impacts would be less than significant.

As discussed in Section 3.3, Regional and Local Air Quality Conditions, the SDAB has been designated as a federal nonattainment area for O_3 and a state nonattainment area for O_3, PM_{10}, and $PM_{2.5}$. The nonattainment status is the result of cumulative emissions from various sources of air pollutants and their precursors within the SDAB, including motor vehicles, off-road equipment, and commercial and industrial facilities. Construction and operation of the Project would generate VOC and NO_x emissions (which are precursors to O_3) and emissions of PM_{10} and $PM_{2.5}$. However, as indicated in Tables 11 and 12, Project-generated construction and operational emissions would not exceed the emission-based significance thresholds for VOC, NO_x, CO, SO_x, PM_{10}, or $PM_{2.5}$.

Cumulative localized impacts would potentially occur if a construction project were to occur concurrently with another off-site project. Construction schedules for potential future projects near the Project area are currently unknown; therefore, potential construction impacts associated with two or more simultaneous projects would be considered speculative. However, future projects would be subject to CEQA and would require air quality analysis and, where necessary, mitigation if the project would exceed applied thresholds. Criteria air pollutant emissions associated with construction activity of future projects would be reduced through implementation of control measures required by the SDAPCD. For example, cumulative PM_{10} and $PM_{2.5}$ emissions would be reduced because all future projects would be subject to SDAPCD Rule 55 (Fugitive Dust), which sets forth general and specific requirements for all construction sites in the SDAB. In addition, cumulative VOC emissions would be subject to SDAPCD Rule 67.0.1 (Architectural Coatings).

Based on the Project-generated construction and operational emissions of VOC, NO_x, PM_{10}, and $PM_{2.5}$, the Project would not result in a cumulatively considerable increase in emissions of nonattainment pollutants. Therefore, the Project's cumulative air quality impact would be **less than significant**.

Level of Significance Before Mitigation

Impacts would be less than significant.

Mitigation Measures

No mitigation is required.

Level of Significance After Mitigation

Impacts would be less than significant without mitigation.

3.5.3 Would the project expose sensitive receptors to substantial pollutant concentrations? (AQ-3)

Air quality varies as a direct function of the quantity of pollutants emitted into the atmosphere, the size and topography of the air basin, and the prevailing meteorological conditions. Air quality problems arise when the rate of pollutant emissions exceeds the rate of dispersion. Reduced visibility, eye irritation, and adverse health impacts on those persons termed "sensitive receptors" are the most serious hazards of existing air quality conditions in the area. Some land uses are considered more sensitive to changes in air quality than others, depending on the population groups and the activities involved. People most likely to be affected by air pollution, as identified by CARB, include children, older adults, athletes, and people with cardiovascular and chronic respiratory diseases; however, for the purposes of this analysis, residents are also considered sensitive receptors. As such, sensitive

receptors include residences, schools, playgrounds, childcare centers, athletic facilities, long-term healthcare facilities, rehabilitation centers, convalescent centers, and retirement homes.

Health Impacts of Carbon Monoxide

Mobile source impacts occur on two scales of motion. Regionally, Project-related travel would add to regional trip generation and increase the vehicle miles traveled within the local airshed and the SDAB. Locally, project generated traffic would be added to the roadway system near the Project site. If such traffic occurs during periods of poor atmospheric ventilation, is composed of many vehicles "cold-started" and operating at pollution-inefficient speeds and is operating on roadways already crowded with non-project traffic, there is a potential for the formation of microscale CO hotspots in the area immediately around points of congested traffic. Because of continued improvement in vehicular emissions at a rate faster than the rate of vehicle growth and/or congestion, the potential for CO hotspots in the SDAB is steadily decreasing.

CO transport is extremely limited, and CO disperses rapidly with distance from the source. Under certain extreme meteorological conditions, however, CO concentrations near a congested roadway or intersection may reach unhealthy levels, affecting sensitive receptors such as residents, school children, hospital patients, and the elderly. Typically, high CO concentrations are associated with urban roadways or intersections operating at an unacceptable level of service (LOS). Projects contributing to adverse traffic impacts may result in the formation of CO hotspots.

To verify that the Project would not cause or contribute to a violation of the CO standards, a screening evaluation of the potential for CO hotspots was conducted using the County of San Diego screening threshold of 3,000 peak trips (County of San Diego 2007). Based on the Transportation Impact Analysis prepared for the Project (CR Associates 2022), there would be approximately 126 trips during the AM peak-hour and 189 trips during the PM peak-hour, which would be minimal in comparison to the screening threshold of 3,000 peak trips. Therefore, the Project would not result in a CO hotspot and would result in a **less than significant** impact.

Health Effects of Other Criteria Air Pollutants

Project construction and operation would not exceed significance thresholds for VOC, NO_x, CO, SO_x, $PM_{10,}$ or $PM_{2.5}$. VOCs and NO_x are precursors to O_3, for which the SDAB is designated as nonattainment with respect to the NAAQS and CAAQS. The health effects associated with O_3 are generally associated with reduced lung function. The contribution of ROGs and NO_x to regional ambient O_3 concentrations is the result of complex photochemistry. The increases in O_3 concentrations in the SDAB due to O_3 precursor emissions tend to be found downwind from the source location to allow time for the photochemical reactions to occur. However, the potential for exacerbating excessive O_3 concentrations would also depend on the time of year that the VOC emissions would occur because exceedances of the O_3 CAAQS/NAAQS tend to occur between April and October when solar radiation is highest. The holistic effect of a single project's emissions of O_3 precursors is speculative due to the lack of reliable and meaningful quantitative methods to assess this impact. The Project would not exceed the significance thresholds for VOC or NO_x; therefore, implementation of the Project would contribute minimally to regional O_3 concentrations and the associated health effects.

In addition to O_3, NO_x emissions contribute to potential exceedances of the NAAQS and CAAQS for NO_2 (since NO_2 is a constituent of NO_x). Health effects that result from NO_2 and NO_x include respiratory irritation, which could be experienced by nearby receptors during the periods of heaviest use of off-road construction equipment. However, Project construction would be relatively short term, and off-road construction equipment would be operating at various portions of the site and would not be concentrated in one portion of the site at any one time. In addition,

existing NO_2 concentrations in the area are well below the NAAQS and CAAQS standards. Because Project generated NO_x emissions would not exceed the significance threshold, the Project would not result in potential health effects associated with NO_2 and NO_x.

CO tends to be a localized impact associated with congested intersections. The associated potential for CO hotspots were discussed previously and were determined to be a less-than-significant impact. Furthermore, the existing CO concentrations in the area are well below the NAAQS and CAAQS standards. Thus, the Project's CO emissions would not contribute to significant health effects associated with this pollutant.

Construction and operation of the Project would also not exceed thresholds for PM_{10} or $PM_{2.5}$ and would not contribute to exceedances of the NAAQS and CAAQS for particulate matter or would obstruct the SDAB from coming into attainment for these pollutants. Additionally, the Project would implement dust control strategies and be required to comply with SDAPCD Rule 55, Fugitive Dust Control, which limits the amount of fugitive dust generated during construction. Due to the minimal contribution of particulate matter during construction and operation, the Project is not anticipated to result in health effects associated with PM_{10} or $PM_{2.5}$.

In summary, the Project would not result in any potentially significant contribution to local or regional concentrations of nonattainment pollutants and would not result in a significant contribution to the adverse health impacts associated with those pollutants. Impacts would be **less than significant**. Furthermore, there are numerous scientific and technological complexities associated with correlating criteria air pollutant emissions from an individual project to specific health effects or potential additional nonattainment days, and there are currently no modeling tools that could provide reliable and meaningful additional information regarding health effects from criteria air pollutants generated by individual projects.

Health Impacts of Toxic Air Contaminants

In addition to impacts from criteria pollutants, Project impacts may include emissions of pollutants identified by the state and federal government as TACs or hazardous air pollutants. State law has established the framework for California's TAC identification and control program, which is generally more stringent than the federal program and aimed at TACs that are a problem in California. The state has formally identified more than 200 substances as TACs, including the federal hazardous air pollutants, and is adopting appropriate control measures for sources of these TACs. The greatest potential for TAC emissions during construction would be diesel particulate emissions from heavy equipment operations and heavy-duty trucks and the associated health impacts to sensitive receptors. The following measures are required by state law to reduce DPM emissions:

- Fleet owners of mobile construction equipment are subject to the CARB Regulation for In-use Off-road Diesel Vehicles (13 CCR 2449), the purpose of which is to reduce DPM and criteria pollutant emissions from in-use (existing) off-road diesel-fueled vehicles.
- All commercial diesel vehicles are subject to Title 13, Section 2485 of the California Code of Regulations, limiting engine idling time. Idling of heavy-duty diesel construction equipment and trucks during loading and unloading shall be limited to five minutes; electric auxiliary power units should be used whenever possible.

Health effects from carcinogenic air toxics are usually described in terms of cancer risk. The SDAPCD recommends an incremental cancer risk threshold of 10 in a million (SDAPCD 2015b). "Incremental cancer risk" is the net increased likelihood that a person continuously exposed to concentrations of TACs resulting from a project over a

9-, 30-, and 70-year exposure period will contract cancer based on the use of standard Office of Environmental Health Hazard Assessment (OEHHA) risk-assessment methodology (OEHHA 2015).

As shown in Table 11, maximum daily PM_{10} or $PM_{2.5}$ emissions generated by construction equipment operation and haul-truck trips during construction, which is based on exhaust and fugitive dust generated by equipment operation and vehicle travel, would be well below the significance thresholds. Moreover, total construction of the Project would last approximately 15 months, after which Project-construction TAC emissions would cease. Thus, the duration of the proposed construction activities would only constitute a small percentage of the total 30-year residential exposure period recommended by OEHHA. Concentrations of mobile-source DPM emissions are typically reduced by 70% at a distance of approximately 500 feet (CARB 2005). The nearest existing sensitive receptors are multi-family residential uses located 2,020 feet southeast of the Project site. Therefore, construction would take place substantially farther than 500 feet from the nearest sensitive receptors. Due to the temporary nature of construction activities and the dispersive properties of DPM, the nearest residential receptors would not be impacted regarding construction health risks. Regarding long-term TAC emissions, the Project would result in a minimal increase in daily truck traffic on the roadway network and would not require stationary sources (such as diesel emergency generators). Therefore, the exposure of Project-related TAC emission impacts to proximate sensitive receptors would be **less than significant**.

Valley Fever

As discussed above in Section 3.1.2.2, the average incidence rate within the County is below the statewide average. Furthermore, construction of the Project would comply with SDAPCD Rule 55, Fugitive Dust Control, which limits the amount of fugitive dust generated during construction. SDAPCD Rule 55 is intended to reduce PM_{10} emissions from any transportation, handling, construction, or storage activity that has the potential to generate fugitive dust. Based on the low incidence rate of coccidioidomycosis on the Project site and in the County, and with the Project's implementation of dust control strategies and Valley Fever awareness and training, it is not anticipated that earth-moving activities during Project construction would result in exposure of nearby sensitive receptors to Valley Fever. Therefore, the Project would have a **less-than-significant** impact with respect to Valley Fever exposure for sensitive receptors.

Level of Significance Before Mitigation

Impacts would be less than significant.

Mitigation Measures

No mitigation is required.

Level of Significance After Mitigation

Impacts would be less than significant without mitigation.

3.5.4 Would the project result in other emissions (such as those leading to odors) adversely affecting a substantial number of people? (AQ-4)

Construction and operation of the Project would result in various emissions; however, criteria air pollutants, fugitive dust, and TACs are addressed under Sections 3.5.2 and 3.5.3 above. As such, this impact analysis is focused on the potential for an odor impact to occur. The occurrence and severity of potential odor impacts depends on numerous factors. The nature, frequency, and intensity of the source; the wind speeds and direction; and the sensitivity of receiving location each contribute to the intensity of the impact. Although offensive odors seldom cause physical harm, they can be annoying and cause distress among the public and generate citizen complaints.

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

Land uses and industrial operations associated with odor complaints include agricultural uses, wastewater treatment plants, food processing plants, chemical plants, composting, refineries, landfills, dairies, and fiberglass molding. The Project does not propose and would not engage in any of these activities or other potential activities that would generate operational odors. The Project entails residential and commercial uses and would not create any new sources of substantial odors during operation. Therefore, the Project would result in an odor impact that is **less than significant.**

Level of Significance Before Mitigation

Impacts would be less than significant.

Mitigation Measures

No mitigation is required.

Level of Significance After Mitigation

Impacts would be less than significant without mitigation.

4 Greenhouse Gas Emissions

4.1 Environmental Setting

4.1.1 Climate Change Overview

Climate change refers to any significant change in measures of climate, such as temperature, precipitation, or wind patterns, lasting for an extended period of time (i.e., decades or longer). The Earth's temperature depends on the balance between energy entering and leaving the planet's system. Many factors, both natural and human, can cause changes in Earth's energy balance, including variations in the sun's energy reaching Earth, changes in the reflectivity of Earth's atmosphere and surface, and changes in the greenhouse effect, which affects the amount of heat retained by Earth's atmosphere (EPA 2022b).

The greenhouse effect is the trapping and build-up of heat in the atmosphere (troposphere) near the Earth's surface. The greenhouse effect traps heat in the troposphere through a threefold process as follows: Short-wave radiation emitted by the Sun is absorbed by the Earth, the Earth emits a portion of this energy in the form of long-wave radiation, and GHGs in the upper atmosphere absorb this long-wave radiation and emit it into space and toward the Earth. The greenhouse effect is a natural process that contributes to regulating the Earth's temperature and creates a pleasant, livable environment on the Earth. Human activities that emit additional GHGs to the atmosphere increase the amount of infrared radiation that gets absorbed before escaping into space, thus enhancing the greenhouse effect and causing the Earth's surface temperature to rise.

The scientific record of the Earth's climate shows that the climate system varies naturally over a wide range of time scales and that, in general, climate changes prior to the Industrial Revolution in the 1700s can be explained by natural causes such as changes in solar energy, volcanic eruptions, and natural changes in GHG concentrations. Recent climate changes, in particular the warming observed over the past century, however, cannot be explained by natural causes alone. Rather, it is extremely likely that human activities have been the dominant cause of that warming since the mid-twentieth century and is the most significant driver of observed climate change (IPCC 2013; EPA 2022b). Human influence on the climate system is evident from the increasing GHG concentrations in the atmosphere, positive radiative forcing, observed warming, and improved understanding of the climate system (IPCC 2013). The atmospheric concentrations of GHGs have increased to levels unprecedented in the last 800,000 years, primarily from fossil fuel emissions and secondarily from emissions associated with land use changes (IPCC 2013). Continued emissions of GHGs will cause further warming and changes in all components of the climate system, which is discussed further in Section 4.3.2, Potential Effects of Climate Change.

4.1.2 Greenhouse Gases

A GHG is any gas that absorbs infrared radiation in the atmosphere; in other words, GHGs trap heat in the atmosphere. As defined in California Health and Safety Code, Section 38505(g), for purposes of administering many of the State's primary GHG emissions reduction programs, GHGs include carbon dioxide (CO_2), methane (CH_4), nitrous oxide (N_2O), hydrofluorocarbons (HFCs), perfluorocarbons (PFCs), sulfur hexafluoride (SF_6), and nitrogen trifluoride (NF_3). (See also CEQA Guidelines, Section 15364.5.) Some GHGs, such as CO_2, CH_4, and N_2O, occur naturally and are emitted into the atmosphere through natural processes and human activities. Of these gases, CO_2 and CH_4 are emitted in the greatest quantities from human activities. Manufactured GHGs, which have a much greater heat-absorption potential than CO_2,

include fluorinated gases, such as HFCs, PFCs, and SF_6, which are associated with certain industrial products and processes. The following paragraphs provide a summary of the most common GHGs and their sources.[5]

Carbon Dioxide. CO_2 is a naturally occurring gas and a by-product of human activities and is the principal anthropogenic GHG that affects the Earth's radiative balance. Natural sources of CO_2 include respiration of bacteria, plants, animals, and fungus; evaporation from oceans; volcanic out-gassing; and decomposition of dead organic matter. Human activities that generate CO_2 are from the combustion of fuels such as coal, oil, natural gas, and wood and changes in land use.

Methane. CH_4 is produced through both natural and human activities. CH_4 is a flammable gas and is the main component of natural gas. Methane is produced through anaerobic (without oxygen) decomposition of waste in landfills, flooded rice fields, animal digestion, decomposition of animal wastes, production and distribution of natural gas and petroleum, coal production, and incomplete fossil fuel combustion.

Nitrous Oxide. N_2O is produced through natural and human activities, mainly through agricultural activities and natural biological processes, although fuel burning and other processes also create N_2O. Sources of N_2O include soil cultivation practices (microbial processes in soil and water), especially the use of commercial and organic fertilizers, manure management, industrial processes (such as in nitric acid production, nylon production, and fossil-fuel-fired power plants), vehicle emissions, and using N_2O as a propellant (e.g., rockets, racecars, and aerosol sprays).

Fluorinated Gases. Fluorinated gases (also referred to as F-gases) are synthetic powerful GHGs emitted from many industrial processes. Fluorinated gases are commonly used as substitutes for stratospheric ozone-depleting substances (e.g., chlorofluorocarbons [CFCs], hydrochlorofluorocarbons [HCFCs], and halons). The most prevalent fluorinated gases include the following:

- **Hydrofluorocarbons:** HFCs are compounds containing only hydrogen, fluorine, and carbon atoms. HFCs are synthetic chemicals used as alternatives to ozone-depleting substances in serving many industrial, commercial, and personal needs. HFCs are emitted as by-products of industrial processes and are used in manufacturing.
- **Perfluorocarbons:** PFCs are a group of human-made chemicals composed of carbon and fluorine only. These chemicals were introduced as alternatives, with HFCs, to the ozone depleting substances. The two main sources of PFCs are primary aluminum production and semiconductor manufacturing. Since PFCs have stable molecular structures and do not break down through the chemical processes in the lower atmosphere, these chemicals have long lifetimes, ranging between 10,000 and 50,000 years.
- **Sulfur Hexafluoride:** SF_6 is a colorless gas soluble in alcohol and ether and slightly soluble in water. SF_6 is used for insulation in electric power transmission and distribution equipment, semiconductor manufacturing, the magnesium industry, and as a tracer gas for leak detection.
- **Nitrogen Trifluoride:** NF_3 is used in the manufacture of a variety of electronics, including semiconductors and flat panel displays.

Chlorofluorocarbons. CFCs are synthetic chemicals that have been used as cleaning solvents, refrigerants, and aerosol propellants. CFCs are chemically unreactive in the lower atmosphere (troposphere) and the production of CFCs was prohibited in 1987 due to the chemical destruction of stratospheric O_3.

[5] The descriptions of GHGs are summarized from the Intergovernmental Panel on Climate Change (IPCC) Second Assessment Report (1995), IPCC Fourth Assessment Report (2007), CARB's "Glossary of Terms Used in GHG Inventories" (2015), and EPA's "Overview of Greenhouse Gases" (2016b).

Hydrochlorofluorocarbons. HCFCs are a large group of compounds, whose structure is very close to that of CFCs—containing hydrogen, fluorine, chlorine, and carbon atoms—but including one or more hydrogen atoms. Like HFCs, HCFCs are used in refrigerants and propellants. HCFCs were also used in place of CFCs for some applications; however, their use in general is being phased out.

Black Carbon. Black carbon is a component of fine particulate matter, which has been identified as a leading environmental risk factor for premature death. It is produced from the incomplete combustion of fossil fuels and biomass burning, particularly from older diesel engines and forest fires. Black carbon warms the atmosphere by absorbing solar radiation, influences cloud formation, and darkens the surface of snow and ice, which accelerates heat absorption and melting. Black carbon is a short-lived species that varies spatially, which makes it difficult to quantify the global warming potential. Diesel particulate matter emissions are a major source of black carbon and are TACs that have been regulated and controlled in California for several decades to protect public health. In relation to declining diesel particulate matter from the CARB's regulations pertaining to diesel engines, diesel fuels, and burning activities, CARB estimates that annual black carbon emissions in California have reduced by 70% between 1990 and 2010, with 95% control expected by 2020 (CARB 2014). The majority of anthropogenic sources come from transportation—specifically, heavy-duty vehicles. The share of black carbon emissions from transportation is dropping rapidly and is expected to continue to do so between now and 2030 as a result of California's air quality programs. The remaining black carbon emissions will come largely from woodstoves/fireplaces, off-road applications, and industrial/commercial combustion. The forestry category includes non-agricultural prescribed burning and wildfire emissions (CARB 2022f).

Water Vapor. The primary source of water vapor is evaporation from the ocean, with additional vapor generated by sublimation (change from solid to gas) from ice and snow, evaporation from other water bodies, and transpiration from plant leaves. Water vapor is the most important, abundant, and variable GHG in the atmosphere and maintains a climate necessary for life.

Ozone. Tropospheric O_3, which is created by photochemical reactions involving gases from both natural sources and human activities, acts as a GHG. Stratospheric O_3, which is created by the interaction between solar ultraviolet radiation and molecular oxygen (O_2), plays a decisive role in the stratospheric radiative balance. Depletion of stratospheric O_3, due to chemical reactions that may be enhanced by climate change, results in an increased ground-level flux of ultraviolet-B radiation.

Aerosols. Aerosols are suspensions of particulate matter in a gas emitted into the air through burning biomass (plant material) and fossil fuels. Aerosols can warm the atmosphere by absorbing and emitting heat and can cool the atmosphere by reflecting light.

4.1.3 Global Warming Potential

Gases in the atmosphere can contribute to climate change both directly and indirectly. Direct effects occur when the gas itself absorbs radiation. Indirect radiative forcing occurs when chemical transformations of the substance produce other GHGs, when a gas influences the atmospheric lifetimes of other gases, and/or when a gas affects atmospheric processes that alter the radiative balance of the Earth (EPA 2022b). The Intergovernmental Panel on Climate Change (IPCC) developed the global warming potential (GWP) concept to compare the ability of each GHG to trap heat in the atmosphere relative to another gas. The GWP of a GHG is defined as the ratio of the time-integrated radiative forcing from the instantaneous release of 1 kilogram of a trace substance relative to that of 1 kilogram of a reference gas (IPCC 2014). The reference gas used is CO_2; therefore, GWP-weighted emissions are

measured in metric tons (MT) of carbon dioxide equivalent (CO_2e). The current version of CalEEMod (Version 2022) assumes that the GWP for CH_4 is 25 (so emissions of 1 MT of CH_4 are equivalent to emissions of 25 MT of CO_2), and the GWP for N_2O is 298, based on the IPCC Fourth Assessment Report (IPCC 2007). The GWP values identified in CalEEMod were applied to the Project.

4.2 Regulatory Setting

4.2.1 Federal Regulations

Massachusetts v. EPA. In *Massachusetts v. EPA* (April 2007), the U.S. Supreme Court directed the EPA administrator to determine whether GHG emissions from new motor vehicles cause or contribute to air pollution that may reasonably be anticipated to endanger public health or welfare, or whether the science is too uncertain to make a reasoned decision. In December 2009, the administrator signed a final rule with the following two distinct findings regarding GHGs under Section 202(a) of the federal Clean Air Act:

- The Administrator found that elevated concentrations of GHGs—CO_2, CH_4, N_2O, HFCs, PFCs, and SF_6—in the atmosphere threaten the public health and welfare of current and future generations. This is the "endangerment finding."
- The Administrator further found the combined emissions of GHGs—CO_2, CH_4, N_2O, and HFCs—from new motor vehicles and new motor vehicle engines contribute to the GHG air pollution that endangers public health and welfare. This is the "cause or contribute finding."

These two findings were necessary to establish the foundation for regulation of GHGs from new motor vehicles as air pollutants under the Clean Air Act.

Energy Independence and Security Act of 2007. The Energy Independence and Security Act of 2007 (December 2007), among other key measures, would do the following, which would aid in the reduction of national GHG emissions:

- Increase the supply of alternative fuel sources by setting a mandatory Renewable Fuel Standard requiring fuel producers to use at least 36 billion gallons of biofuel in 2022.
- Set a target of 35 miles per gallon for the combined fleet of cars and light trucks by model year 2020, and directs National Highway Traffic Safety Administration (NHTSA) to establish a fuel economy program for medium- and heavy-duty trucks and create a separate fuel economy standard for work trucks.
- Prescribe or revise standards affecting regional efficiency for heating and cooling products and procedures for new or amended standards, energy conservation, energy-efficiency labeling for consumer electronic products, residential boiler efficiency, electric motor efficiency, and home appliances.

Federal Vehicle Standards. In 2007, in response to the *Massachusetts v. EPA* U.S. Supreme Court ruling, the Bush Administration issued Executive Order (EO) 13432 directing the EPA, the Department of Transportation, and the Department of Energy to establish regulations that reduce GHG emissions from motor vehicles, non-road vehicles, and non-road engines by 2008. In 2009, the NHTSA issued a final rule regulating fuel efficiency and GHG emissions from cars and light-duty trucks for model year 2011; and, in 2010, the EPA and NHTSA issued a final rule regulating cars and light-duty trucks for model years 2012 through 2016 (75 Fed. Reg. 25324–25728).

In 2010, President Obama issued a memorandum directing the Department of Transportation, Department of Energy, EPA, and NHTSA to establish additional standards regarding fuel efficiency and GHG reduction, clean fuels, and advanced vehicle infrastructure. In response to this directive, the EPA and NHTSA proposed stringent, coordinated federal GHG and fuel economy standards for model years 2017 through 2025 light-duty vehicles. The proposed standards projected to achieve 163 grams per mile of CO_2 in model year 2025, on an average industry fleet-wide basis, which is equivalent to 54.5 miles per gallon if this level were achieved solely through fuel efficiency. The final rule was adopted in 2012 for model years 2017 through 2021 (77 Fed. Reg. 62624–63200). On January 12, 2017, the EPA finalized its decision to maintain the current GHG emissions standards for model years 2022–2025 cars and light trucks.

In addition to the regulations applicable to cars and light-duty trucks described above, in 2011, the EPA and NHTSA announced fuel economy and GHG standards for medium- and heavy-duty trucks for model years 2014 through 2018. The standards for CO_2 emissions and fuel consumption are tailored to three main vehicle categories: combination tractors, heavy-duty pickup trucks and vans, and vocational vehicles. According to the EPA, this regulatory program will reduce GHG emissions and fuel consumption for the affected vehicles by 6% to 23% over the 2010 baselines (76 Fed. Reg. 57106–57513).

In August 2016, the EPA and NHTSA announced the adoption of the phase two program related to the fuel economy and GHG standards for medium- and heavy-duty trucks. The phase two program will apply to vehicles with model year 2018 through 2027 for certain trailers, and model years 2021 through 2027 for semi-trucks, large pickup trucks, vans, and all sizes of buses and work trucks. The final standards are expected to lower CO_2 emissions by approximately 1.1 billion MT and reduce oil consumption by up to 2 billion barrels over the lifetime of the vehicles sold under the program (EPA and NHTSA 2016).

In August 2018, EPA and NHTSA proposed to amend certain fuel economy and GHG standards for passenger cars and light trucks and establish new standards for model years 2021 through 2026. Compared to maintaining the post-2020 standards then in place, the 2018 proposal would increase U.S. fuel consumption by about half a million barrels per day (2% to 3% of total daily consumption, according to the Energy Information Administration) and would impact the global climate by 3/1000th of one degree Celsius by 2100 (EPA and NHTSA 2018). California and other states have stated their intent to challenge federal actions that would delay or eliminate GHG reduction measures and have committed to cooperating with other countries to implement global climate change initiatives.

In 2019, the EPA and NHTSA published the Safer Affordable Fuel-Efficient Vehicles Rule Part One: One National Program (SAFE-1), which revoked California's authority to set its own GHG emissions standards and set zero-emission vehicle (ZEV) mandates in California. In March 2020, Part Two was issued which set CO2 emissions standards and corporate average fuel economy standards for passenger vehicles and light-duty trucks for model years 2021 through 2026. In March 2022, EPA reinstated California's authority under the Clean Air Act to implement its own GHG emission standards and ZEV sales mandate. EPA's March 2022 action concludes its reconsideration of the 2019 SAFE-1 rule by finding that the actions taken under the previous administration as a part of SAFE-1 were decided in error and are now entirely rescinded.

Inflation Reduction Act of 2022. The Inflation Reduction Act was signed into law by President Biden in August 2022. The bill includes specific investment in energy and climate reform and is projected to reduce GHG emissions within the U.S. by 40% as compared to 2005 levels by 2030. The bill allocates funds to boost renewable energy infrastructure (e.g., solar panels and wind turbines), includes tax credits for the purchase of electric vehicles, and includes measures that will make homes more energy efficient.

4.2.2 State Regulations

The statewide GHG emissions regulatory framework is summarized below by category: state climate change targets, building energy, renewable energy and energy procurement, mobile sources, solid waste, water, and other state regulations and goals. The following text describes EOs, legislation, regulations, and other plans and policies that would directly or indirectly reduce GHG emissions and/or address climate change issues.

State Climate Change Targets

The state has taken several actions to address climate change. These include EOs, legislation, and CARB plans and requirements. These are summarized below.

EO S-3-05. EO S-3-05 (June 2005) identified California's GHG emissions reduction targets and laid out responsibilities among the state agencies for implementing the EO and for reporting on progress toward the targets. This EO identified the following targets:

- By 2010, reduce GHG emissions to 2000 levels
- By 2020, reduce GHG emissions to 1990 levels
- By 2050, reduce GHG emissions to 80% below 1990 levels

EO S-3-05 also directed the California Environmental Protection Agency to report biannually on progress made toward meeting the GHG targets and the impacts to California due to global warming, including impacts to water supply, public health, agriculture, the coastline, and forestry. The Climate Action Team was formed, which subsequently issued reports from 2006 to 2010.

AB 32. In furtherance of the goals established in EO S-3-05, the Legislature enacted AB 32 (Núñez and Pavley). The bill is referred to as the California Global Warming Solutions Act of 2006 (September 27, 2006). AB 32 provided initial direction on creating a comprehensive multiyear program to limit California's GHG emissions at 1990 levels by 2020 and initiate the transformations required to achieve the state's long-range climate objectives.

EO B-30-15. EO B-30-15 (April 2015) identified an interim GHG reduction target in support of targets previously identified under S-3-05 and AB 32. EO B-30-15 set an interim target goal of reducing GHG emissions to 40% below 1990 levels by 2030 to keep California on its trajectory toward meeting or exceeding the long-term goal of reducing GHG emissions to 80% below 1990 levels by 2050 as set forth in S-3-05. To facilitate achieving this goal, EO B-30-15 called for CARB to update the Scoping Plan to express the 2030 target in terms of MMT CO_2e. The EO also called for state agencies to continue to develop and implement GHG emission reduction programs in support of the reduction targets.

SB 32 and AB 197. SB 32 and AB 197 (enacted in 2016) are companion bills. SB 32 codified the 2030 emissions reduction goal of EO B-30-15 by requiring CARB to ensure that statewide GHG emissions are reduced to 40% below 1990 levels by 2030. AB 197 established the Joint Legislative Committee on Climate Change Policies, consisting of at least three members of the Senate and three members of the Assembly, to provide ongoing oversight over implementation of the state's climate policies. AB 197 also added two members of the Legislature to the Board as nonvoting members; requires CARB to make available and update (at least annually via its website) emissions data for GHGs, criteria air pollutants, and TACs from reporting facilities; and requires CARB to identify specific information for GHG emissions reduction measures when updating the scoping plan.

EO B-55-18. EO B-55-18 (September 2018) establishes a new statewide goal "to achieve carbon neutrality as soon as possible, and no later than 2045, and achieve and maintain net negative emissions thereafter." This EO directs CARB to "work with relevant state agencies to ensure future Scoping Plans identify and recommend measures to achieve the carbon neutrality goal."

Assembly Bill 1279. The Legislature enacted AB 1279, the California Climate Crisis Act, in September 2022. The bill declares the policy of the state to achieve net zero GHG emissions as soon as possible, but no later than 2045, and achieve and maintain net negative GHG emissions thereafter. Additionally, the bill requires that by 2045, statewide anthropogenic GHG emissions be reduced to at least 85% below 1990 levels.

CARB's Climate Change Scoping Plan. One specific requirement of AB 32 is for CARB to prepare a "scoping plan" for achieving the maximum technologically feasible and cost-effective GHG emission reductions by 2020 (Health and Safety Code, Section 38561(a)), and to update the plan at least once every 5 years. In 2008, CARB approved the first scoping plan. The *Climate Change Scoping Plan: A Framework for Change* (*Scoping Plan*) included a mix of recommended strategies that combined direct regulations, market-based approaches, voluntary measures, policies, and other emission reduction programs calculated to meet the 2020 statewide GHG emission limit and initiate the transformations needed to achieve the state's long-range climate objectives. The key elements of the Scoping Plan include the following (CARB 2008):

- Expanding and strengthening existing energy efficiency programs as well as building and appliance standards
- Achieving a statewide renewable energy mix of 33%
- Developing a California cap-and-trade program that links with other Western Climate Initiative partner programs to create a regional market system and caps sources contributing 85% of California's GHG emissions
- Establishing targets for transportation-related GHG emissions for regions throughout California, and pursuing policies and incentives to achieve those targets
- Adopting and implementing measures pursuant to existing state laws and policies, including California's clean car standards, goods movement measures, and the Low Carbon Fuel Standard (LCFS) (17 CCR, Section 95480 et seq.)
- Creating targeted fees, including a public goods charge on water use, fees on high GWP gases, and a fee to fund the administrative costs of the State of California's long-term commitment to AB 32 implementation

The Scoping Plan also identified local governments as essential partners in achieving California's goals to reduce GHG emissions because they have broad influence and, in some cases, exclusive authority over activities that contribute to significant direct and indirect GHG emissions through their planning and permitting processes, local ordinances, outreach and education efforts, and municipal operations. Specifically, the Scoping Plan encouraged local governments to adopt a reduction goal for municipal operations and for community emissions to reduce GHGs by approximately 15% from then levels (2008) by 2020. Many local governments developed community-scale local GHG reduction plans based on this Scoping Plan recommendation.

In 2014, CARB approved the first update to the Scoping Plan. The First Update to the Climate Change Scoping Plan: Building on the Framework (First Update) defined the state's GHG emission reduction priorities for the next 5 years and laid the groundwork to start the transition to the post-2020 goals set forth in EOs S-3-05 and B-16-2012. The First Update concluded that California is on track to meet the 2020 target but recommended a 2030 mid-term GHG reduction target be established to ensure a continuum of action to reduce emissions. The First Update recommended

a mix of technologies in key economic sectors to reduce emissions through 2050 including: energy demand reduction through efficiency and activity changes; large-scale electrification of on-road vehicles, buildings and industrial machinery; decarbonizing electricity and fuel supplies; and the rapid market penetration of efficient and clean energy technologies. As part of the First Update, CARB recalculated the state's 1990 emissions level, using more recent global warming potentials identified by the IPCC, from 427 MMT CO2e to 431 MMT CO2e (CARB 2014).

In 2015, as directed by EO B-30-15, CARB began working on an update to the Scoping Plan to incorporate the 2030 target of 40% below 1990 levels by 2030 to keep California on its trajectory toward meeting or exceeding the long-term goal of reducing GHG emissions to 80% below 1990 levels by 2050 as set forth in S-3-05. The Governor called on California to pursue a new and ambitious set of strategies, in line with the five climate change pillars from his inaugural address, to reduce GHG emissions and prepare for the unavoidable impacts of climate change. In the summer of 2016, the Legislature affirmed the importance of addressing climate change through passage of SB 32 (Pavley, Chapter 249, Statutes of 2016).

In December 2017, CARB's Governing Board adopted the 2017 Climate Change Scoping Plan Update (2030 Scoping Plan) (CARB 2017b). The 2030 Scoping Plan builds on the successful framework established in the initial Scoping Plan and First Update, while identifying new, technologically feasible and cost-effective strategies that will serve as the framework to achieve the 2030 GHG target and define the state's climate change priorities to 2030 and beyond. The strategies' "known commitments" include implementing renewable energy and energy efficiency (including the mandates of SB 350), increased stringency of the LCFS, measures identified in the Mobile Source and Freight Strategies, measures identified in the proposed Short-Lived Climate Pollutant Plan, and increased stringency of SB 375 targets. To fill the gap in additional reductions needed to achieve the 2030 target, it recommends continuing the Cap-and-Trade Program and a measure to reduce GHGs from refineries by 20%.

The Scoping Plan recommends strategies for implementation at the statewide level to meet the goals of AB 32, SB 32, and the EOs and establishes an overall framework for the measures that will be adopted to reduce California's GHG emissions. A project is considered consistent with the statutes and EOs if it meets the general policies in reducing GHG emissions to facilitate the achievement of the state's goals and does not impede attainment of those goals. As discussed in several cases, a given project need not be in perfect conformity with each and every planning policy or goals to be consistent. A project would be consistent, if it will further the objectives and not obstruct their attainment.

CARB released the 2022 Scoping Plan Update in November 2022, which outlines the state's plan to reach carbon neutrality by 2045 or earlier, while also assessing the progress the state is making toward reducing GHG emissions by at least 40% below 1990 levels by 2030, as is required by SB 32 and laid out in the Second Update. The carbon neutrality goal requires CARB to expand proposed actions from only the reduction of anthropogenic sources of GHG emissions to also include those that capture and store carbon (e.g., through natural and working lands, or mechanical technologies). The carbon reduction programs build on and accelerate those currently in place, including moving to zero-emission transportation; phasing out use of fossil gas use for heating homes and buildings; reducing chemical and refrigerants with high GWP; providing communities with sustainable options for walking, biking, and public transit; displacement of fossil-fuel fired electrical generation through use of renewable energy alternatives (e.g., solar arrays and wind turbines); and scaling up new options such as green hydrogen (CARB 2022f).

The 2022 Scoping Plan also emphasizes that there is no realistic path to carbon neutrality without carbon removal and sequestration, and to achieve the state's carbon neutrality goal, carbon reduction programs must be supplemented by strategies to remove and sequester carbon. Strategies for carbon removal and sequestration include carbon capture and storage from anthropogenic point sources, where CO_2 is captured as it leaves a facility's

smokestack and is injected into geologic formations or used in industrial materials (e.g., concrete); and carbon dioxide removal from ambient air, through mechanical (e.g., direct air capture with sequestration) or nature-based (e.g., management of natural and working lands) applications.

The 2022 Scoping Plan included Appendix D, Local Actions, which includes recommendations intended to build momentum for local government actions that align with the State's climate goals, with a focus on local GHG reduction strategies (commonly referred to as climate action planning) and approval of new land use development projects, including through environmental review under CEQA. The recommendations provided in Appendix D are non-binding and should not be interpreted as a directive to local governments, but rather as evidence-based analytical tools to assist local governments with their role as essential partners in achieving California's climate goals. Appendix D recognizes consistency with a CEQA-qualified GHG reduction plan such as a Climate Action Plan as a preferred option for evaluating potential GHG emission impacts under CEQA. Absent a qualified GHG reduction plan, Appendix D provides additional potential threshold options including key attributes that residential and mixed-use projects should achieve that would align with the State's climate goals, a net-zero threshold, and use of air district recommended thresholds of significance.[6]

CARB's Regulations for the Mandatory Reporting of Greenhouse Gas Emissions. CARB's Regulation for the Mandatory Reporting of Greenhouse Gas Emissions (17 CCR 95100–95157) incorporated by reference certain requirements that EPA promulgated in its Final Rule on Mandatory Reporting of Greenhouse Gases (Title 40, CFR, Part 98). Specifically, Section 95100(c) of the Mandatory Reporting Regulation incorporated those requirements that EPA promulgated in the Federal Register on October 30, 2009; July 12, 2010; September 22, 2010; October 28, 2010; November 30, 2010; December 17, 2010; and April 25, 2011. In general, entities subject to the Mandatory Reporting Regulation that emit over 10,000 MT CO_2e per year are required to report annual GHGs through the California Electronic GHG Reporting Tool. Certain sectors, such as refineries and cement plants, are required to report regardless of emission levels. Entities that emit more than the 25,000 MT CO_2e per year threshold are required to have their GHG emission report verified by a CARB-accredited third-party verified.

EO B-18-12. EO B-18-12 (April 2012) directed state agencies, departments, and other entities under the governor's executive authority to take action to reduce entity-wide GHG emissions by at least 10% by 2015 and 20% by 2020, as measured against a 2010 baseline. EO B-18-12 also established goals for existing state buildings for reducing grid-based energy purchases and water use.

SB 605 and SB 1383. SB 605 (2014) requires CARB to complete a comprehensive strategy to reduce emissions of short-lived climate pollutants (SLCPs) in the state; and SB 1383 (2016) requires CARB to approve and implement that strategy by January 1, 2018. SB 1383 also establishes specific targets for the reduction of SLCPs (40% below 2013 levels by 2030 for methane and HFCs, and 50% below 2013 levels by 2030 for anthropogenic black carbon) and provides direction for reductions from dairy and livestock operations and landfills. Accordingly, and as mentioned above, CARB adopted its *Short-Lived Climate Pollutant Reduction Strategy* (*SLCP Reduction Strategy*) in March 2017. The *SLCP Reduction Strategy* establishes a framework for the statewide reduction of emissions of black carbon, methane, and fluorinated gases.

Assembly Bill 1757. AB 1757 (September 2022) requires the California Natural Resources Agency (CNRA) to determine a range of targets for natural carbon sequestration, and for nature-based climate solutions that reduce

[6] The threshold approaches outlined in the 2022 Scoping Plan, Appendix D, are recommendations only and are not requirements; they do not supplant lead agencies' discretion to develop their own evidence-based approaches for determining whether a project would have a potentially significant impact on GHG emissions.

GHG emissions for future years 2030, 2038, and 2045. These targets are to be determined no later than January 1, 2024 and are established to support the state's goals to achieve carbon neutrality and foster climate adaptation and resilience.

Building Energy

Title 24, Part 6. The California Building Standards Code were established in 1978 and serves to enhance and regulate California's building standards. While not initially promulgated to reduce GHG emissions, Part 6 of Title 24 specifically established Building Energy Efficiency Standards that are designed to ensure that new and existing buildings in California achieve energy efficiency and preserve outdoor and indoor environmental quality. These energy efficiency standards are reviewed every few years by the Building Standards Commission and the California Energy Commission (CEC) and revised if necessary (California Public Resources Code Section 25402(b)(1)). The regulations receive input from members of industry, as well as the public, in order to "reduce the wasteful, uneconomic, inefficient, or unnecessary consumption of energy" (California Public Resources Code Section 25402). These regulations are carefully scrutinized and analyzed for technological and economic feasibility (California Public Resources Code Section 25402(d)) and cost effectiveness (California Public Resources Code Section 25402(b)(2–3)). As a result, these standards save energy, increase electricity supply reliability, increase indoor comfort, avoid the need to construct new power plants, and help preserve the environment. The current Title 24 standards are the 2022 Title 24 building energy efficiency standards, which became effective January 1, 2023.

The 2022 standards build upon the 2019 standards for new construction of, and additions and alterations to, residential and nonresidential buildings. The 2022 standards include measures that further reduce energy use in single family, multifamily, and nonresidential buildings, through the following strategies (CEC 2021a):

- New prescriptive and performance standards for electric heat pumps for space conditioning and water heating, as appropriate for the various climate zones in California,
- Require PV and battery storage systems for newly constructed multifamily and selected nonresidential buildings,
- Updated efficiency measures for lighting, building envelope, HVAC, and
- Improvements to reduce the energy loads of certain equipment covered by (i.e., subject to the requirements of) the Energy Code that perform a commercial process that is not related to the occupant needs in the building (such as refrigeration equipment in refrigerated warehouses, or air conditioning for computer equipment in data processing centers).

Title 24, Part 11. In addition to the CEC's efforts, in 2008, the California Building Standards Commission adopted the nation's first green building standards. The California Green Building Standards Code (Part 11 of Title 24) is commonly referred to as California's Green Building Standards (CALGreen) and establishes minimum mandatory standards and voluntary standards pertaining to the planning and design of sustainable site development, energy efficiency (in excess of the California Energy Code requirements), water conservation, material conservation, and interior air quality. The CALGreen standards took effect in January 2011 and instituted mandatory minimum environmental performance standards for all ground-up, new construction of commercial, low-rise residential and state-owned buildings and schools and hospitals. The 2019 CALGreen standards are the current applicable standards. For nonresidential projects, some of the key mandatory CALGreen 2019 standards involve requirements related to bicycle parking, designated parking for clean air vehicles, electric vehicle (EV) charging stations, shade trees, water conserving plumbing fixtures and fittings, outdoor potable water use in landscaped areas, recycled

water supply systems, construction waste management, excavated soil and land clearing debris, and commissioning (24 CCR Part 11).

Title 20. Title 20 of the California Code of Regulations requires manufacturers of appliances to meet state and federal standards for energy and water efficiency. The CEC certifies an appliance based on a manufacturer's demonstration that the appliance meets the standards. New appliances regulated under Title 20 include refrigerators, refrigerator-freezers, and freezers; room air conditioners and room air-conditioning heat pumps; central air conditioners; spot air conditioners; vented gas space heaters; gas pool heaters; plumbing fittings and plumbing fixtures; fluorescent lamp ballasts; lamps; emergency lighting; traffic signal modules; dishwaters; clothes washers and dryers; cooking products; electric motors; low-voltage dry-type distribution transformers; power supplies; televisions and consumer audio and video equipment; and battery charger systems. Title 20 presents protocols for testing each type of appliance covered under the regulations and appliances must meet the standards for energy performance, energy design, water performance and water design. Title 20 contains three types of standards for appliances: federal and state standards for federally regulated appliances, state standards for federally regulated appliances, and state standards for non-federally regulated appliances.

SB 1. SB 1 (Murray) (August 2006) established a $3 billion rebate program to support the goal of the state to install rooftop solar energy systems with a generation capacity of 3,000 megawatts through 2016. SB 1 added sections to the Public Resources Code, including Chapter 8.8 (California Solar Initiative), that require building projects applying for ratepayer-funded incentives for photovoltaic systems to meet minimum energy efficiency levels and performance requirements. Section 25780 established that it is a goal of the state to establish a self-sufficient solar industry. The goals included establishing solar energy systems as a viable mainstream option for both homes and businesses within 10 years of adoption and placing solar energy systems on 50% of new homes within 13 years of adoption. SB 1, also termed "Go Solar California," was previously titled "Million Solar Roofs."

California AB 1470 (Solar Water Heating). This bill established the Solar Water Heating and Efficiency Act of 2007. The bill makes findings and declarations of the Legislature relating to the promotion of solar water heating systems and other technologies that reduce natural gas demand. The bill defines several terms for purposes of the act. The bill requires the commission to evaluate the data available from a specified pilot program, and, if it makes a specified determination, to design and implement a program of incentives for the installation of 200,000 solar water heating systems in homes and businesses throughout the state by 2017.

Renewable Energy and Energy Procurement

SB 1078. SB 1078 (Sher) (September 2002) established the Renewable Portfolio Standard (RPS) program, which required an annual increase in renewable generation by the utilities equivalent to at least 1% of sales, with an aggregate goal of 20% by 2017. This goal was subsequently accelerated, requiring utilities to obtain 20% of their power from renewable sources by 2010 (see SB 107, EO S-14-08, and S-21-09).

SB 1368. SB 1368 (September 2006) required the CEC to develop and adopt regulations for GHG emission performance standards for the long-term procurement of electricity by local publicly owned utilities. These standards must be consistent with the standards adopted by the California Public Utilities Commission.

AB 1109. Enacted in 2007, AB 1109 required the CEC to adopt minimum energy efficiency standards for general-purpose lighting, to reduce electricity consumption 50% for indoor residential lighting and 25% for indoor commercial lighting.

EO S-14-08. EO S-14-08 (November 2008) focused on the contribution of renewable energy sources to meet the electrical needs of California while reducing the GHG emissions from the electrical sector. This EO required that all retail suppliers of electricity in California serve 33% of their load with renewable energy by 2020. Furthermore, the EO directed state agencies to take appropriate actions to facilitate reaching this target. The CNRA, through collaboration with the CEC and California Department of Fish and Wildlife (formerly the California Department of Fish and Game), was directed to lead this effort.

EO S-21-09 and SBX1-2. EO S-21-09 (September 2009) directed CARB to adopt a regulation consistent with the goal of EO S-14-08 by July 31, 2010. CARB was further directed to work with the California Public Utilities Commission and CEC to ensure that the regulation builds upon the RPS program and was applicable to investor-owned utilities, publicly owned utilities, direct access providers, and community choice providers. Under this order, CARB was to give the highest priority to those renewable resources that provide the greatest environmental benefits with the least environmental costs and impacts on public health and can be developed the most quickly in support of reliable, efficient, cost-effective electricity system operations. On September 23, 2010, CARB initially approved regulations to implement a Renewable Electricity Standard. However, this regulation was not finalized because of subsequent legislation (SB X1-2, Simitian, statutes of 2011) signed by Governor Brown in April 2011.

SB X1 2 expanded the Renewables Portfolio Standard by establishing a renewable energy target of 20% of the total electricity sold to retail customers in California per year by December 31, 2013, and 33% by December 31, 2020, and in subsequent years. Under the bill, a renewable electrical generation facility is one that uses biomass, solar thermal, photovoltaic, wind, geothermal, fuel cells using renewable fuels, small hydroelectric generation (30 megawatts or less), digester gas, municipal solid waste conversion, landfill gas, ocean wave, ocean thermal, or tidal current, and that meets other specified requirements with respect to its location.

SB X1-2 applies to all electricity retailers in the state including publicly owned utilities, investor-owned utilities, electricity service providers, and community choice aggregators. All of these entities must meet the renewable energy goals previously listed.

SB 350. SB 350 (October 2015, Clean Energy and Pollution Reduction Act) further expanded the RPS by establishing a goal of 50% of the total electricity sold to retail customers in California per year by December 31, 2030. In addition, SB 350 included the goal to double the energy efficiency savings in electricity and natural gas final end uses (e.g., heating, cooling, lighting, or class of energy uses on which an energy-efficiency program is focused) of retail customers through energy conservation and efficiency. The bill also requires the California Public Utilities Commission, in consultation with the CEC, to establish efficiency targets for electrical and gas corporations consistent with this goal. Regarding mobile sources, as one of its elements, SB 350 establishes a statewide policy for widespread electrification of the transportation sector, recognizing that such electrification is required for achievement of the state's 2030 and 2050 reduction targets (see California Public Utilities Code Section 740.12).

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

Senate Bill 1020. SB 1020 (September 2022) revises the standards from SB 100, requiring the following percentage of retail sales of electricity to California end-use customers come from eligible renewable energy resources and zero-carbon resources:

- 90% by December 31, 2035
- 95% by December 31, 2040
- 100% by December 31, 2045

Mobile Sources

State Vehicle Standards (AB 1493 and EO B-16-12). AB 1493 (July 2002) was enacted in a response to the transportation sector accounting for more than half of California's CO_2 emissions. AB 1493 required CARB to set GHG emission standards for passenger vehicles, light-duty trucks, and other vehicles determined by the state board to be vehicles that are primarily used for noncommercial personal transportation in the state. The bill required that CARB set GHG emission standards for motor vehicles manufactured in 2009 and all subsequent model years. CARB adopted the standards in September 2004. EO B-16-12 (March 2012) required that state entities under the governor's direction and control support and facilitate the rapid commercialization of zero-emissions vehicles. It ordered CARB, CEC, California Public Utilities Commission, and other relevant agencies to work with the Plug-in Electric Vehicle Collaborative and the California Fuel Cell Partnership to establish benchmarks to help achieve benchmark goals by 2015, 2020, and 2025. On a statewide basis, EO B-16-12 established a target reduction of GHG emissions from the transportation sector equaling 80% less than 1990 levels by 2050. This directive did not apply to vehicles that have special performance requirements necessary for the protection of the public safety and welfare.

As explained under the "Federal Vehicle Standards" description above, EPA and NHTSA approved the SAFE Vehicles Rule Part One and Two, which revoked California's authority to set its own GHG emissions standards and set zero-emission vehicle mandates in California. As also explained above, in March 2022, EPA reinstated California's authority under the Clean Air Act to implement its own GHG emission standards and ZEV sales mandate. EPA's action concludes its reconsideration of the 2019 SAFE-1 rule by finding that the actions taken under the previous administration as a part of SAFE-1 were decided in error and are now entirely rescinded.

Heavy Duty Diesel. CARB adopted the final Heavy-Duty Truck and Bus Regulation, Title 13, Division 3, Chapter 1, Section 2025, on December 31, 2014, to reduce PM and NO_x emissions from heavy-duty diesel vehicles. The rule requires PM filters be applied to newer heavier trucks and buses by January 1, 2012, with older vehicles required to comply by January 1, 2015. The rule will require nearly all diesel trucks and buses to be compliant with the 2010 model year engine requirement by January 1, 2023. CARB also adopted an Airborne Toxic Control Measure to limit idling of diesel-fueled commercial vehicles on December 12, 2013. This rule requires diesel-fueled vehicles with gross vehicle weights greater than 10,000 pounds to idle no more than 5 minutes at any location (13 CCR 2485).

EO S-1-07. EO S-1-07 (January 2007, implementing regulation adopted in April 2009) sets a declining LCFS for GHG emissions measured in CO_2e grams per unit of fuel energy sold in California. The initial target of the LCFS was to reduce the carbon intensity of California passenger vehicle fuels by at least 10% by 2020 (17 CCR 95480 et seq.). In September 2018, CARB approved amendments for the LCFS that require a 20% reduction in carbon intensity by year 2030. The carbon intensity measures the amount of GHG emissions in the lifecycle of a fuel, including extraction/feedstock production, processing, transportation, and final consumption, per unit of energy delivered.

SB 375. SB 375 (Steinberg) (September 2008) addresses GHG emissions associated with the transportation sector through regional transportation and sustainability plans. SB 375 requires CARB to adopt regional GHG reduction targets for the automobile and light-truck sector for 2020 and 2035 and to update those targets every 8 years. SB 375 requires the state's 18 regional metropolitan planning organizations (MPOs) to prepare a SCS as part of their RTP that will achieve the GHG reduction targets set by CARB. If a MPO is unable to devise an SCS to achieve the GHG reduction target, the MPO must prepare an Alternative Planning Strategy demonstrating how the GHG reduction target would be achieved through alternative development patterns, infrastructure, or additional transportation measures or policies.

A SCS does not: (i) regulate the use of land; (ii) supersede the land use authority of cities and counties; or (iii) require that a city's or county's land use policies and regulations, including those in a general plan, be consistent with it (California Government Code Section 65080[b][2][K]). Nonetheless, SB 375 makes regional and local planning agencies responsible for developing those strategies as part of the federally required metropolitan transportation planning process and the state-mandated housing element process.

In 2010, CARB adopted the SB 375 targets for the regional metropolitan planning organizations. The targets adopted for SANDAG in 2010 are a 7% reduction in per-capita passenger-vehicle GHG emissions by 2020 and a 13% reduction by 2035, measured relative to 2005 GHG emissions. In 2018, CARB adopted the second round of SB 375 reduction targets, and increased SANDAG's 2020 target to a 15% reduction in per-capita passenger-vehicle GHG emissions, and the 2035 target to a 19% reduction using the same 2005 baseline.

SANDAG completed and adopted its 2050 RTP/SCS in October 2011. In November 2011, CARB, by resolution, accepted SANDAG's GHG emissions quantification analysis and determination that, if implemented, the SCS would achieve CARB's 2020 and 2035 GHG emissions reduction targets for the region.

After SANDAG's 2050 RTP/SCS was adopted, a lawsuit was filed by the Cleveland National Forest Foundation and others (*Cleveland National Forest Foundation v. San Diego Association of Governments* (2017) 3 Cal. 5th 497). regarding analysis of EO S-3-05's 2050 goal of an 80% reduction in GHG emissions from 1990 levels. The Supreme Court of California held that the Environmental Impact Report at issue was sufficient to inform the public, based on the information available at the time, about the regional plan's GHG impacts and its potential inconsistency with state climate change goals without including an explicit analysis of the consistency of projected 2050 GHG emissions with the goals in the executive order.

In 2015, SANDAG adopted the next iteration of its RTP/SCS in accordance with statutorily mandated timelines and no subsequent litigation challenge was filed. More specifically, in October 2015, SANDAG adopted San Diego Forward: The Regional Plan (Regional Plan) (SANDAG 2015). Like the 2050 RTP/SCS, San Diego Forward: Regional Plan meets CARB's 2020 and 2035 reduction targets for the region (SANDAG 2015). In December 2015, CARB, by resolution, accepted SANDAG's GHG emissions quantification analysis and determination that, if implemented, the SCS would achieve CARB's 2020 and 2035 GHG emissions reduction targets for the region. The Regional Plan was updated in 2021, which was the result of years of planning, data analysis, and community engagement to reimagine the San Diego region with a transformative transportation system, a sustainable pattern of growth and development, and innovative demand and management strategies (SANDAG 2021).

Advanced Clean Cars Program and Zero-Emissions Vehicle Program. The Advanced Clean Cars (ACC) I program (January 2012) is a new emissions-control program for model years 2015 through 2025. The program combines the control of smog- and soot-causing pollutants and GHG emissions into a single coordinated package of

regulations: the Low-Emission Vehicle (LEV) regulation for criteria air pollutant and GHG emissions and a technology forcing regulation for zero-emission vehicles (ZEV) that contributes to both types of emission reductions (CARB 2022b). The package includes elements to reduce smog-forming pollution, reduce GHG emissions, promote clean cars, and provide the fuels for clean cars. To improve air quality, CARB has implemented new emission standards to reduce smog-forming emissions beginning with 2015 model year vehicles. It is estimated that in 2025 cars will emit 75 percent less smog-forming pollution than the average new car sold in 2015. The ZEV program will act as the focused technology of the ACC I program by requiring manufacturers to produce increasing numbers of ZEVs and plug-in hybrid EVs in the 2018 to 2025 model years.

The ACC II program establishes the next set of LEV and ZEV requirements for model years after 2025 to contribute to meeting federal ambient air quality ozone standards and California's carbon neutrality standards (CARB 2022c). The ACC II rulemaking package, also considers technological feasibility, environmental impacts, equity, economic impacts, and consumer impacts. The ACC II regulations were approved by the California Office of Administrative Law (OAL) and became effective on November 30, 2022.

AB 1236. AB 1236 (October 2015) (Chiu) requires a city, county, or city and county to approve an application for the installation of electric vehicle charging stations, as defined, through the issuance of specified permits unless the city or county makes specified written findings based upon substantial evidence in the record that the proposed installation would have a specific, adverse impact upon the public health or safety, and there is no feasible method to satisfactorily mitigate or avoid the specific, adverse impact. The bill provided for appeal of that decision to the planning commission, as specified. The bill provided that the implementation of consistent statewide standards to achieve the timely and cost-effective installation of electric vehicle charging stations is a matter of statewide concern. The bill required electric vehicle charging stations to meet specified standards. The bill required a city, county, or city and county with a population of 200,000 or more residents to adopt an ordinance, by September 30, 2016, that created an expedited and streamlined permitting process for electric vehicle charging stations, as specified. The bill also required a city, county, or city and county with a population of less than 200,000 residents to adopt this ordinance by September 30, 2017.

EO N-79-20 (September 2020) requires CARB to develop regulations as follows: (1) Passenger vehicle and truck regulations requiring increasing volumes of new ZEVs sold in the State towards the target of 100% of in-State sales by 2035; (2) medium- and heavy-duty vehicle regulations requiring increasing volumes of new zero-emission trucks and buses sold and operated in the State towards the target of 100% of the fleet transitioning to zero-emission vehicles by 2045 everywhere feasible and for all drayage trucks to be zero emission by 2035; and (3) strategies, in coordination with other State agencies, the EPA and local air districts, to achieve 100% zero-emission from off-road vehicles and equipment operations in the State by 2035. EO N-79-20 called for the development of a Zero-Emissions Vehicle Market Development Strategy, which was released February 2021, to be updated every 3 years, that ensures coordination and implementation of the EO and outlines actions to support new and used ZEV markets. In addition, the EO specifies identification of near-term actions, and investment strategies, to improve clean transportation, sustainable freight, and transit options; and calls for development of strategies, recommendations, and actions by July 15, 2021, to manage and expedite the responsible closure and remediation of former oil extraction sites as the State transitions to a carbon-neutral economy.

Advanced Clean Trucks (ACT) Regulation. The purpose of the ACT Regulation (June 2020) is to accelerate the market for zero-emission vehicles in the medium- and heavy-duty truck sector and to reduce emissions NO_x, fine particulate matter, TACs, GHGs, and other criteria pollutants generated from on-road mobile sources (CARB 2022c). Requiring medium- and heavy-duty vehicles to transition to zero-emissions technology will reduce health risks to people living

in and visiting California and is needed to help California meet established near- and long-term air quality and climate mitigation targets.

Water

EO B-29-15. In response to the ongoing drought in California, EO B-29-15 (April 2015) set a goal of achieving a statewide reduction in potable urban water usage of 25% relative to water use in 2013. The term of the EO extended through February 28, 2016, although many of the directives have become permanent water-efficiency standards and requirements. The EO includes specific directives that set strict limits on water usage in the state. In response to EO B-29-15, the California Department of Water Resources has modified and adopted a revised version of the Model Water Efficient Landscape Ordinance that, among other changes, significantly increases the requirements for landscape water use efficiency and broadens its applicability to include new development projects with smaller landscape areas.

EO B-37-16. Issued May 2016, EO B-37-16 directed the State Water Resources Control Board (SWRCB) to adjust emergency water conservation regulations through the end of January 2017 to reflect differing water supply conditions across the state. The SWRCB also developed a proposal to achieve a mandatory reduction of potable urban water usage that builds off the mandatory 25% reduction called for in EO B-29-15. The SWRCB and Department of Water Resources will develop new, permanent water use targets that build upon the existing state law requirements that the state achieve 20% reduction in urban water usage by 2020. EO B-37-16 also specifies that the SWRCB permanently prohibit water-wasting practices such as hosing off sidewalks, driveways, and other hardscapes; washing automobiles with hoses not equipped with a shut-off nozzle; using non-recirculated water in a fountain or other decorative water feature; watering lawns in a manner that causes runoff, or within 48 hours after measurable precipitation; and irrigating ornamental turf on public street medians.

EO N-10-21. In response to a state of emergency due to severe drought conditions, EO N-10-21 (July 2021) called on all Californians to voluntarily reduce their water use by 15% from their 2020 levels. Actions suggested in EO N-10-21 include reducing landscape irrigation, running dishwashers and washing machines only when full, finding and fixing leaks, installing water-efficient showerheads, taking shorter showers, using a shut-off nozzle on hoses, and taking cars to commercial car washes that use recycled water.

Solid Waste

AB 939, AB 341, AB 1826, and SB 1383. In 1989, AB 939, known as the Integrated Waste Management Act (California Public Resources Code, Sections 40000 et seq.), was passed because of the increase in waste stream and the decrease in landfill capacity. The statute established the California Integrated Waste Management Board, which oversees a disposal reporting system. AB 939 mandated a reduction of waste being disposed where jurisdictions were required to meet diversion goals of all solid waste through source reduction, recycling, and composting activities of 25% by 1995 and 50% by the year 2000.

AB 341 (Chapter 476, Statutes of 2011 [Chesbro]) amended the California Integrated Waste Management Act of 1989 to include a provision declaring that it is the policy goal of the state that not less than 75% of solid waste generated be source-reduced, recycled, or composted by the year 2020, and annually thereafter. In addition, AB 341 required the California Department of Resources Recycling and Recovery (CalRecycle) to develop strategies to achieve the state's policy goal. CalRecycle conducted several general stakeholder workshops and several focused workshops and in August 2015 published a discussion document titled AB 341 Report to the Legislature, which

identifies five priority strategies that CalRecycle believes would assist the state in reaching the 75% goal by 2020, legislative and regulatory recommendations and an evaluation of program effectiveness (CalRecycle 2012).

AB 1826 (Chapter 727, Statutes of 2014, effective 2016) requires businesses to recycle their organic waste (i.e., food waste, green waste, landscape and pruning waste, nonhazardous wood waste, and food-soiled paper waste that is mixed in with food waste) depending on the amount of waste they generate per week. This law also requires local jurisdictions across the state to implement an organic waste recycling program to divert organic waste generated by businesses, including multifamily residential dwellings that consist of five or more units. The minimum threshold of organic waste generation by businesses decreases over time, which means an increasingly greater proportion of the commercial sector will be required to comply.

SB 1383 (Chapter 395, Statutes of 2016) establishes targets to achieve a 50% reduction in the level of the Statewide disposal of organic waste from the 2014 level by 2020 and a 75% reduction by 2025. CalRecycle was granted the regulatory authority required to achieve the organic waste disposal reduction targets and establishes an additional target that not less than 20% of currently disposed edible food is recovered for human consumption by 2025 (CalRecycle 2019).

Other State Actions

SB 97. SB 97 (Dutton) (August 2007) directed the Governor's Office of Planning and Research to develop guidelines under CEQA for the mitigation of GHG emissions. In 2008, the Governor's Office of Planning and Research issued a technical advisory as interim guidance regarding the analysis of GHG emissions in CEQA documents. The advisory indicated that the lead agency should identify and estimate a project's GHG emissions, including those associated with vehicular traffic, energy consumption, water usage, and construction activities (OPR 2008). The advisory further recommended that the lead agency determine significance of the impacts and impose all mitigation measures necessary to reduce GHG emissions to a level that is less than significant. The CNRA adopted the CEQA Guidelines amendments in December 2009, which became effective in March 2010.

Under the amended Guidelines, a lead agency has the discretion to determine whether to use a quantitative or qualitative analysis or apply performance standards to determine the significance of GHG emissions resulting from a particular project (14 CCR 15064.4(a)). The Guidelines require a lead agency to consider the extent to which the Project complies with regulations or requirements adopted to implement a statewide, regional, or local plan for the reduction or mitigation of GHG emissions (14 CCR 15064.4(b)). The Guidelines also allow a lead agency to consider feasible means of mitigating the significant effects of GHG emissions, including reductions in emissions through the implementation of project features or off-site measures. The adopted amendments do not establish a GHG emission threshold, instead allowing a lead agency to develop, adopt, and apply its own thresholds of significance or those developed by other agencies or experts. The CNRA also acknowledges that a lead agency may consider compliance with regulations or requirements implementing AB 32 in determining the significance of a project's GHG emissions (CNRA 2009a).

With respect to GHG emissions, the CEQA Guidelines state in Section 15064.4(a) that lead agencies should "make a good faith effort, to the extent possible on scientific and factual data, to describe, calculate or estimate" GHG emissions. The CEQA Guidelines note that an agency may identify emissions by either selecting a "model or methodology" to quantify the emissions or by relying on "qualitative analysis or other performance-based standards" (14 CCR 15064.4(a)). Section 15064.4(b) states that the lead agency should consider the following when assessing the significance of impacts from GHG emissions on the environment: (1) the extent a project may

increase or reduce GHG emissions as compared to the existing environmental setting; (2) whether the project emissions exceed a threshold of significance that the lead agency determines applies to the project; and (3) the extent to which the project complies with regulations or requirements adopted to implement a statewide, regional, or local plan for the reduction or mitigation of GHG emissions (14 CCR 15064.4(b)).

EO S-13-08. EO S-13-08 (November 2008) is intended to hasten California's response to the impacts of global climate change, particularly sea-level rise. Therefore, the EO directs state agencies to take specified actions to assess and plan for such impacts. The final 2009 California Climate Adaptation Strategy report was issued in December 2009, and an update, Safeguarding California: Reducing Climate Risk, followed in July 2014. To assess the state's vulnerability, the report summarizes key climate change impacts to the state for the following areas: Agriculture, Biodiversity and Habitat, Emergency Management, Energy, Forestry, Ocean and Coastal Ecosystems and Resources, Public Health, Transportation, and Water. Issuance of the Safeguarding California: Implementation Action Plans followed in March 2016. In January 2018, the CNRA released the Safeguarding California Plan: 2018 Update, which communicates current and needed actions that state government should take to build climate change resiliency.

4.2.3 Local Regulations

4.2.3.1 San Diego County Air Pollution Control District

The SDAPCD does not have established GHG rules, regulations, or policies.

4.2.3.2 City of San Marcos

City of San Marcos Climate Action Plan

The City adopted its CAP on December 8, 2020 (City of San Marcos 2020). The CAP acts as a roadmap to address challenges of climate change within the City. The CAP builds on the efforts and strategies identified in the City's 2013 CAP and establishes GHG emission reduction targets and identifies achievable, locally based actions to reduce GHG emissions from municipal and community activities. The CAP includes a baseline GHG emissions inventory for 2012, GHG emissions forecasts for 2020 and 2030, local GHG emissions reduction strategies and measures to help the City achieve the 2030 target, climate adaptation measures for the City, and implementation and monitoring mechanisms to ensure the City's measures and targets are achieved. The CAP established GHG emissions reduction goals of 4% below 2012 levels by 2020 and 42% below 2012 levels by 2030 (City of San Marcos 2020). The CAP was prepared in accordance with the requirements within CEQA Guidelines Section 15183.5, and the CAP Consistency Checklist was used to evaluate the Project's significance with respect to GHG emissions.

City of San Marcos General Plan

The City's General Plan (City of San Marcos 2012) includes various policies related to reducing Air Quality and GHG emissions. Applicable policies include the following:

Land Use and Community Design Element

Policy LU-2.1: Promote compact development patterns that reduce air pollution and automobile dependence and facilitate walking, bicycling, and transit use.

Policy LU-2.3: Promote landscaping (e.g., native, drought tolerant plants) that minimizes demands on water supply.

Policy LU-2.7: Promote the instillation of trees to reduce the urban heat-island effect and green infrastructure to reduce storm water runoff.

Policy LU-3.1: Require that new development and redevelopment incorporate connections and reduce barriers between neighborhoods, transit corridors, and activity centers within the City.

Mobility Element

Policy M-2.1: Work with new development to design roadways that minimize traffic volumes and/or speed, as appropriate within residential neighborhoods; while maintaining the City's desire to provide connectivity on the roadway network.

Conservation and Open Space Element

Policy COS-4.5: Encourage energy conservation and the use of alternative energy sources within the community.

Policy COS-4.6: Promote efficient use of energy and conservation of available resources in the design, construction, maintenance and operation of public and private facilities, infrastructure and equipment.

Policy COS-4.8: Encourage and support the generation, transmission and use of renewable energy.

Policy COS-4.9: Encourage use and retrofitting of existing buildings under Title 24 of the California Building Energy Code.

4.3 Greenhouse Gas Inventories and Climate Change Conditions

4.3.1 Sources of Greenhouse Gas Emissions

Anthropogenic GHG emissions worldwide in 2020 (the most recent year for which data is available) totaled approximately 49,800 MMT CO_2e, excluding land use change and forestry (PBL 2022). The five largest emitting countries and the European Union (EU-27), together account for about 60% of total global GHG emissions: China (27%), the United States (12%), the European Union (about 7%), India (7%), the Russian Federation (4.5%) and Japan (2.4%). These countries also have the highest CO2 emission levels. (PBL 2022).

Per the EPA Inventory of U.S. Greenhouse Gas Emissions and Sinks: 1990–2020 (EPA 2022b, total United States GHG emissions were approximately 5,981 MMT CO2e in 2020 (EPA 2022b). The primary GHG emitted by human activities in the United States was CO_2, which represented approximately 76.4% of total GHG emissions (4,760 MMT CO_2e). The largest source of CO_2, and of overall GHG emissions, was fossil-fuel combustion, which accounted for approximately 92.8% of CO_2 emissions in 2018 (5,031.8 MMT CO_2e). Relative to 1990, gross

United States GHG emissions in 2020 are lower by 7.3%, down from a high of 15.2% above 1990 levels in 2007. GHG emissions decreased from 2019 to 2020 by 10.6% and overall, net emissions in 2020 were 21.4% below 2005 levels (EPA 2022c).

According to California's 2000–2020 GHG emissions inventory (2022 edition), California emitted 369.2 MMT CO_2e in 2020, including emissions resulting from out-of-state electrical generation (CARB 2022d). The sources of GHG emissions in California include transportation, industrial uses, electric power production from both in-state and out-of-state sources, commercial and residential uses, agriculture, high-GWP substances, and recycling and waste. The California GHG emission source categories and their relative contributions in 2022 are presented in Table 14.

Table 14. Greenhouse Gas Emissions Sources in California

Source Category	Annual GHG Emissions (MMT CO_2e)	Percent of Total
Transportation	136.60	37%
Industrial uses	73.84	20%
Electricity generation[a]	59.07	16%
Residential and commercial uses	36.92	10%
Agriculture and Forestry	33.22	9%
High GWP substances	22.15	6%
Recycling and waste	7.38	2%
Totals	**369.2**	**100%**

Source: CARB 2022b.
Notes: GHG = greenhouse gas; GWP = global warming potential; MMT CO_2e = million metric tons of carbon dioxide equivalent. Emissions reflect 2020 California GHG inventory.
Totals may not sum due to rounding.
[a] Includes emissions associated with imported electricity, which account for 18.46 MMT CO_2e.

Per capita GHG emissions in California have dropped from a 2001 peak of 13.8 MT per person to 9.3 MT per person in 2020, a 33% decrease. In 2016, statewide GHG emissions dropped below the 2020 GHG Limit of 431 MMT CO_2e and have remained below the Limit since that time (CARB 2022a).

The City has established a goal to reduce its community-wide GHG to reduce GHG emissions 40% below 1990 levels by 2030 (City of San Marcos 2020). The City's community-wide GHG emissions inventory for baseline year 2012 is presented in Table 15 for informational purposes.

Table 15. City of San Marcos (Year 2012) Community-wide Greenhouse Gas Emissions Inventory

Source Category	Annual GHG Emissions (MMT CO_2e)	Percent of Total
On-Road Transportation	322,000	54%
Electricity	162,000	27%
Natural Gas	75,000	12%
Solid Waste	15,000	3%
Off-Road Transportation	14,000	2%
Water	9,000	1%

Table 15. City of San Marcos (Year 2012) Community-wide Greenhouse Gas Emissions Inventory

Source Category	Annual GHG Emissions (MMT CO_2e)	Percent of Total
Wastewater	3,000	<1%
Total	**599,000**	**100%**

Source: City of San Marcos 2020.
Note: GHG = greenhouse gas; MT CO_2e = metric tons of carbon dioxide equivalent per year
Totals may not sum due to rounding.

4.3.2 Potential Effects of Climate Change

In California, climate change impacts have the potential to affect sea-level rise, agriculture, snowpack and water supply, forestry, wildfire risk, public health, and electricity demand and supply. The primary effect of global climate change has been a rise in average global tropospheric temperature. Reflecting the long-term warming trend since pre-industrial times, observed mean surface temperature for the decade 2006–2015 was 0.87°C (likely between 0.75°C and 0.99°C) higher than the average over the 1850–1900 period (IPCC 2018). Scientific modeling predicts that continued emissions of GHGs at or above current rates would induce more extreme climate changes during the twenty-first century than were observed during the twentieth century. Human activities are estimated to have caused approximately 1.0°C (1.8°F) of global warming above pre-industrial levels, with a likely range of 0.8°C to 1.2°C (1.4°F to 2.2°F) (IPCC 2018). Global warming is likely to reach 1.5°C (2.7°F) between 2030 and 2052 if it continues to increase at the current rate (IPCC 2018).

Although climate change is driven by global atmospheric conditions, climate change impacts are felt locally. A scientific consensus confirms that climate change is already affecting California. The Office of Environmental Health Hazard Assessment identified various indicators of climate change in California, which are scientifically based measurements that track trends in various aspects of climate change. Many indicators reveal discernible evidence that climate change is occurring in California and is having significant, measurable impacts in the state. Changes in the state's climate have been observed, including an increase in annual average air temperature with record warmth from 2012 to 2016, more frequent extreme heat events, more extreme drought, a decline in winter chill, an increase in cooling degree days and a decrease in heating degree days, and an increase in variability of statewide precipitation (OEHHA 2018).

Warming temperatures and changing precipitation patterns have altered California's physical systems—the ocean, lakes, rivers and snowpack—upon which the state depends. Winter snowpack and spring snowmelt runoff from the Sierra Nevada and southern Cascade Mountains provide approximately one-third of the state's annual water supply. Impacts of climate on physical systems have been observed, such as high variability of snow-water content (i.e., amount of water stored in snowpack), decrease in snowmelt runoff, glacier change (loss in area), rise in sea levels, increase in average lake water temperature and coastal ocean temperature, and a decrease in dissolved oxygen in coastal waters (OEHHA 2018).

Impacts of climate change on biological systems, including humans, wildlife, and vegetation, have also been observed, including climate change impacts on terrestrial, marine, and freshwater ecosystems. As with global observations, species responses include those consistent with warming: elevational or latitudinal shifts in range, changes in the timing of key plant and animal life cycle events, and changes in the abundance of species and in

community composition. Humans are better able to adapt to a changing climate than plants and animals in natural ecosystems. Nevertheless, climate change poses a threat to public health, as warming temperatures and changes in precipitation can affect vector-borne pathogen transmission and disease patterns in California as well as the variability of heat-related deaths and illnesses. In addition, since 1950, the area burned by wildfires each year has been increasing.

The CNRA has released four California Climate Change Assessments (2006, 2009, 2012, and 2018), which have addressed the following: acceleration of warming across the state, more intense and frequent heat waves, greater riverine flows, accelerating sea level rise, more intense and frequent drought, more severe and frequent wildfires, more severe storms and extreme weather events, shrinking snowpack and less overall precipitation, and ocean acidification, hypoxia, and warming. To address local and regional governments need for information to support action in their communities, the Fourth Assessment includes reports for nine regions of the state, including the San Diego Region, where the Project is located. Key projected climate changes for the San Diego Region include the following (CNRA 2019):

- Temperature is projected to increase substantially, along with mean temperature, heat wave frequency will increase, with more intensity and longer duration.
- Precipitation will remain highly variable but will change in character, with wetter winters, drier springs, and more frequent and severe droughts punctuated by more intense individual precipitation events.
- Wildfire risk will increase in the future as climate warms. The risk for large catastrophic wildfires driven by Santa Ana wind events will also likely increase as a result of a drier autumns leading to low antecedent precipitation before the height of the Santa Ana wind season.
- The sea level along San Diego County is expected to rise. High tides combined with elevated shoreline water levels produced by locally and distantly driven wind-driven waves will drive extreme events. Longer-term sea level will increase rapidly in the second half of the century and will be punctuated by short periods of storm-driven extreme sea levels that will imperil existing infrastructure, structures, and ecosystems with increasing frequency.

Agriculture. Some of the specific challenges faced by the agricultural sector and farmers include more drastic and unpredictable precipitation and weather patterns; extreme weather events that range from severe flooding to extreme drought, to destructive storm events; significant shifts in water availably and water quality; changes in pollinator lifecycles; temperature fluctuations, including extreme heat stress and decreased chill hours; increased risks from invasive species and weeds, agricultural pests and plant diseases; and disruptions to the transportation and energy infrastructure supporting agricultural production.

Biodiversity and Habitat. Specific climate change challenges to biodiversity and habitat include species migration in response to climatic changes, range shift and novel combinations of species; pathogens, parasites and disease; invasive species; extinction risks; changes in the timing of seasonal life-cycle events; food web disruptions; threshold effects (i.e., a change in the ecosystem that results in a “tipping point” beyond which irreversible damage or loss has occurred).

Energy. Specific climate change challenges for the energy sector include temperature, fluctuating precipitation patterns, increasing extreme weather events, and sea-level rise.

Forestry. The most significant climate change related risk to forests is accelerated risk of wildfire and more frequent and severe droughts. Droughts have resulted in more large-scale mortalities and combined with increasing temperatures have led to an overall increase in wildfire risks. Increased wildfire intensity subsequently increases

public safety risks, property damage, fire suppression and emergency response costs, watershed and water quality impacts, and vegetation conversions.

Ocean and Coastal Ecosystems and Resources. Sea-level rise, changing ocean conditions, and other climate change stressors are likely to exacerbate long-standing challenges related to ocean and coastal ecosystems in addition to threatening people and infrastructure located along the California coastline and in coastal communities. Sea-level rise, in addition to more frequent and severe coastal storms and erosion, are threatening vital infrastructure such as roads, bridges, power plants, ports and airports, gasoline pipes, and emergency facilities, as well as negatively impacting the coastal recreational assets such as beaches and tidal wetlands.

Public Health. Climate change can impact public health through various environmental changes and is the largest threat to human health in the twenty-first century. Changes in precipitation patterns affect public health primarily through potential for altered water supplies, and extreme events such as heat, floods, droughts, and wildfires. Increased frequency, intensity, and duration of extreme heat and heat waves are likely to increase the risk of mortality due to heat-related illness, as well as exacerbate existing chronic health conditions. Other extreme weather events are likely to negatively impact air quality and increase or intensify respiratory illness, such as asthma and allergies.

Transportation. Although the transportation industry is a source of GHG emissions, it is also vulnerable to climate change risks. Increasing temperatures and extended periods of extreme heat threaten the integrity of the roadways and rail lines. High temperatures cause the road surfaces to expand, which leads to increased pressure and pavement buckling. High temperatures can also cause rail breakages, which could lead to train derailment. Other forms of extreme weather events, such as extreme storm events, can negatively impact infrastructure, which can impair movement of peoples and goods, or potentially block evacuation routes and emergency access roads. Increased wildfires, flooding, erosion risks, landslides, mudslides, and rockslides can all profoundly impact the transportation system and pose a serious risk to public safety.

Water. Climate change could seriously impact the timing, form, amount of precipitation, runoff patterns, and frequency and severity of precipitation events. Higher temperatures reduce the amount of snowpack and lead to earlier snowmelt, which can impact water supply availability, natural ecosystems, and winter recreation. Water supply availability during the intense dry summer months is heavily dependent on the snowpack accumulated during the winter time. Increased risk of flooding has a variety of public health concerns, including water quality, public safety, property damage, displacement, and post-disaster mental health problems. Prolonged and intensified droughts can also negatively groundwater reserves and result in increased overdraft and subsidence. The higher risk of wildfires can lead to increased erosion, which can negatively impact watersheds and result in poor water quality.

4.4 Significance Criteria and Methodology

4.4.1 Thresholds of Significance

The significance criteria used to evaluate the Project's GHG emissions impacts is based on the recommendations provided in Appendix G of the CEQA Guidelines. For the purposes of this GHG emissions analysis, the Project would have a significant environmental impact if it would (14 CCR 15000 et seq.):

1. Generate GHG emissions, either directly or indirectly, that may have a significant impact on the environment?
2. Conflict with an applicable plan, policy, or regulation adopted for the purpose of reducing the emissions of GHGs?

Global climate change is a cumulative impact; a project participates in this potential impact through its incremental contribution combined with the cumulative increase of all other sources of GHGs. There are currently no established thresholds for assessing whether the GHG emissions of a project, such as the Project, would be considered a cumulatively considerable contribution to global climate change; however, all reasonable efforts should be made to minimize a project's contribution to global climate change. In addition, while GHG impacts are recognized exclusively as cumulative impacts (CAPCOA 2008), GHG emissions impacts must also be evaluated on a project-level under CEQA.

With respect to GHG emissions, the CEQA Guidelines Section 15064.4(a) states that lead agencies "shall make a good-faith effort, based to the extent possible on scientific and factual data, to describe, calculate or estimate" GHG emissions resulting from a project. The CEQA Guidelines note that an agency has the discretion to either quantify a project's GHG emissions or rely on a "qualitative analysis or performance-based standards" (14 CCR 15064.4[a]). A lead agency may use a "model or methodology" to estimate greenhouse gas emissions and has the discretion to select the model or methodology it considers "most appropriate to enable decision makers to intelligently take into account the project's incremental contribution to climate change" (14 CCR 15064.4[c]). The CEQA Guidelines provide that the lead agency should consider the following when determining the significance of impacts from GHG emissions on the environment (14 CCR 15064.4[b]):

- The extent a project may increase or reduce GHG emissions as compared to the existing environmental setting.
- Whether the project emissions exceed a threshold of significance that the lead agency determines applies to the project.
- The extent to which the project complies with regulations or requirements adopted to implement a statewide, regional, or local plan for the reduction or mitigation of GHG emissions.

In addition, the CEQA Guidelines specify that "[w]hen adopting or using thresholds of significance, a lead agency may consider thresholds of significance previously adopted or recommended by other public agencies, or recommended by experts, provided the decision of the lead agency to adopt such thresholds is supported by substantial evidence" (14 CCR 15064.7[c]).

The extent to which a project increases or decreases GHG emissions in the existing environmental setting should be estimated in accordance with Section 15064.4, Determining the Significance of Impacts from Greenhouse Gas Emissions, of the State CEQA Guidelines. The State CEQA Guidelines indicate that when calculating GHG emissions resulting from a project, lead agencies shall make a good-faith effort based on scientific and factual data (Section 15064.4 (a)), and lead agencies have discretion to select the model or methodology deemed most appropriate for enabling decision makers to intelligently assess the project's incremental contribution to climate change (Section 15064.4 (c)).

The State CEQA Guidelines do not indicate an amount of GHG emissions that constitutes a significant impact on the environment. Instead, they authorize the lead agency to consider thresholds of significance previously adopted or recommended by other public agencies or recommended by experts, provided the decision of the lead agency to adopt such thresholds is supported by substantial evidence (State CEQA Guidelines Sections 15064.4(a) and 15064.7(c)).

The Governor's Office of Planning and Research technical advisory titled, CEQA and Climate Change: Addressing Climate Change through California Environmental Quality Act (CEQA) Review, states that "public agencies are

encouraged but not required to adopt thresholds of significance for environmental impacts. Even in the absence of clearly defined thresholds for GHG emissions, the law requires that such emissions from CEQA projects must be disclosed and mitigated to the extent feasible whenever the lead agency determines that the project contributes to a significant, cumulative climate change impact" (OPR 2018). Furthermore, the advisory document indicates that "in the absence of regulatory standards for GHG emissions or other scientific data to clearly define what constitutes a 'significant impact,' individual lead agencies may undertake a project-by-project analysis, consistent with available guidance and current CEQA practice" (OPR 2008).

The City adopted the Final CAP on December 8, 2020. The City's CAP meets the requirements under Section 15183.5 of the CEQA Guidelines as a qualified plan for the reduction of GHG emissions for use in cumulative impact analysis pertaining to development projects. The CAP relies on a screening threshold and a CAP Consistency Checklist to determine whether a project's emissions would be consistent with GHG emissions estimated within the City's CAP. Projects that are consistent with the City's CAP, as determined through the CAP Consistency Checklist, would result in a less-than-significant cumulative impact regarding GHG emissions. If a project is not consistent with the City's CAP, as determined through the CAP Consistency Checklist, potentially significant cumulative GHG impacts would occur.

In accordance with CEQA Guidelines 15183.5, the Project's consistency with the CAP is the sole basis for determining the significance of the Project's GHG-related impacts on the environment. Nevertheless, in accordance with CEQA Guidelines Section 15064.4, GHG emissions resulting from construction and operation of the Project were quantitatively estimated.

4.4.2 Approach and Methodology

4.4.2.1 Construction

CalEEMod Version 2022 was used to estimate potential Project-generated GHG emissions during construction. Construction of the Project would result in GHG emissions primarily associated with use of off-road construction equipment, on-road hauling, and vendor (material delivery) trucks, and worker vehicles. All details for construction criteria air pollutants discussed in Section 3.4.2.1, are also applicable for the estimation of construction-related GHG emissions. As such, see Section 3.4.2.1 for a discussion of construction emissions calculation methodology and assumptions.

4.4.2.2 Operation

As with Air Quality, emissions from the operational phase of the Project were estimated using CalEEMod Version 2022. Operational year 2026 was assumed as the first full year after completion of Project construction.

Area Sources

CalEEMod was used to estimate GHG emissions from the Project's area sources, which include operation of gasoline-powered landscape maintenance equipment, which produce minimal GHG emissions. See Section 3.4.2.2, for a discussion of landscaping equipment emissions calculations.

Energy Sources

Title 24 of the California Code of Regulations serves to enhance and regulate California's building standards. The current Title 24, Part 6 standards, referred to as the 2019 Title 24 Building Energy Efficiency Standards, became effective on January 1, 2020. CalEEMod assumes compliance with the 2019 Title 24 code. The estimation of operational energy emissions for the Project were based on CalEEMod land use defaults and total area (i.e., square footage) of the Project's land use.

Furthermore, in compliance with the City's CAP, the Project would incorporate approximately 16,422 square feet of solar photovoltaic (PV) panels with an estimated 5,200-kilowatt hours (kwh) per unit. The total production is estimated at 530,400 kwh annually.

CalEEMod default energy intensity factors (CO_2, CH_4, and N_2O mass emissions per kilowatt-hour) for San Diego Gas and Electric (SDG&E) is based on the value for SDG&E's energy mix in 2021. These default intensity values were used for the Project analysis.

Mobile Sources

All details for criteria air pollutants discussed in Section 3.4.2.2 are also applicable for the estimation of operational mobile source GHG emissions.

Regulatory measures related to mobile sources include AB 1493 (Pavley) and related federal standards. AB 1493 required that CARB establish GHG emission standards for automobiles, light-duty trucks, and other vehicles determined by CARB to be vehicles that are primarily used for noncommercial personal transportation in the state. In addition, the NHTSA and EPA have established corporate fuel economy standards and GHG emission standards, respectively, for automobiles and light-, medium-, and heavy-duty vehicles. Implementation of these standards and fleet turnover (replacement of older vehicles with newer ones) will gradually reduce emissions from the Project's motor vehicles. The effectiveness of fuel economy improvements was evaluated for motor vehicles in 2026 to the extent it was captured in CalEEMod.

Solid Waste

The Project would generate solid waste, and therefore, result in CO_2e emissions associated with landfill off-gassing. CalEEMod default values for solid waste generation were used to estimate GHG emissions associated with solid waste for the Project. However, consistent with AB 939, a 50% waste diversion was assumed.

Water and Wastewater

Supply, conveyance, treatment, and distribution of water for the Project require the use of electricity, which would result in associated indirect GHG emissions. Similarly, wastewater generated by the Project requires the use of electricity for conveyance and treatment, and GHG emissions will be generated during wastewater treatment. Water consumption estimates for both indoor and outdoor water use and associated electricity consumption from water use and wastewater generation were estimated using CalEEMod default values. The electricity use for water supply, treatment, distribution, and wastewater treatment are based on the electricity intensity factors from CalEEMod for the County and the indoor and outdoor water use default values in CalEEMod. Regarding indoor water use, the Project would install low-flow water fixtures pursuant to CALGreen standards, which would reduce the Project's water consumption.

4.5 Impact Analysis

This section evaluates the GHG emissions impacts associated with the Project. The significance criteria described in Section 4.4.1, Thresholds of Significance, were used to evaluate impacts associated with the construction and operation of the Project.

4.5.1 GHG Emissions and GHG Emission Reduction Plans

Would the project generate greenhouse gas emissions, either directly or indirectly, that may have a significant impact on the environment? (GHG-1)

Would the project conflict with an applicable plan, policy, or regulation adopted for the purpose of reducing the emissions of greenhouse gases? (GHG-2)

Construction Emissions

Construction of the Project would result in GHG emissions, which are primarily associated with the use of off-road construction equipment, haul trucks, on-road vendor trucks, and worker vehicles.

Construction of the Project is anticipated to commence in February 2024 and would last approximately 15 months, ending in May 2025. On-site sources of GHG emissions include off-road equipment and off-site sources including vendor trucks and worker vehicles. Table 16 presents construction emissions for the Project in 2024 through 2025 from on-site and off-site emission sources.

Table 16. Estimated Annual Construction Greenhouse Gas Emissions - Unmitigated

Year	CO_2	CH_4	N_2O	R	CO_2e
	Metric Tons per Year				
2024	477	0.02	0.02	0.23	483
2025	99	<0.01	<0.01	0.05	100
Total	576	0.02	0.02	0.28	583
Amortized Construction Emissions Over 30 years					*19*

Notes: CO_2 = carbon dioxide; CH_4 = methane; N_2O = nitrous oxide; R=refrigerants, CO_2e = carbon dioxide equivalent.
The values shown are the annual emissions reflect CalEEMod "mitigated" output.
Totals may not add due to rounding.
See Appendix A for complete results.

As shown in Table 16, the estimated total GHG emissions during construction of would be approximately 583 MT CO_2e over the construction period. Estimated Project-generated construction emissions amortized over 30 years would be approximately 19 MT CO_2e per year. As with Project-generated construction criteria air pollutant emissions, GHG emissions generated during construction of the Project would be short-term in nature, lasting only for the duration of the construction period, and would not represent a long-term source of GHG emissions.

Operational Emissions

Operation of the Project would generate GHG emissions through vehicle trips by residents, employees, customers, and visitors to and from the Project site; landscape maintenance equipment operation; energy use (natural gas and generation of electricity consumed by the Project); solid waste disposal; and generation of electricity associated with water supply, treatment, and distribution and wastewater treatment.

The estimated operational Project-generated GHG emissions are shown in Table 17.

Table 17. Estimated Annual Operational Greenhouse Gas Emissions – Unmitigated

Emission Source	CO_2	CH_4	N_2O	R	CO_2e
	metric tons per year				
Mobile	1,339	0.09	0.07	1.97	1,364
Area	82	<0.01	<0.01	0	82
Energy	157	0.02	<0.01	0	159
Water	4	0.29	0.01	0	14
Waste	6	0.62	0.00	0	22
Refrigerants	0	0	0	0.24	0
Total	**1,588**	**1.03**	**0.08**	**2.21**	**1,641**
				Amortized 30-Year Construction Emissions	*19*
				Project Operations + Amortized Construction Total	**1,660**

Notes: The table shows the "mitigated" amounts from the CalEEMod output because the Project includes solar PV for the 102 townhomes and compliance with building code measures which CalEEMod shows as "mitigation".
CO_2 = carbon dioxide; CH_4 = methane; N_2O = nitrous oxide; R=refrigerants; CO_2e = carbon dioxide equivalent
See Appendix A for complete results.

As shown in Table 16, estimated annual Project-generated GHG emissions would be approximately 1,660 MT CO_2e per year as a result of Project operation; with amortized construction emissions of approximately 19 MT CO_2e per year, total Project emissions would be approximately 1,660 MT CO_2e per year.

City of San Marcos' Climate Action Plan Consistency

This section evaluates the Project's impacts to GHG in accordance with the City's 2020 CAP Consistency Checklist. New discretionary development projects subject to CEQA review that are below the applicable screening size listed in the CAP Checklist would emit less than 500 MT CO_2e annually and would not contribute considerably to cumulative climate change impacts, and therefore, would be considered consistent with the CAP and associated emissions projections.

For projects that are subject to CAP consistency review, the next step in determining consistency is to assess the project's consistency with the growth projections used in development of the CAP. This section allows the City to determine a project's consistency with the land use assumptions used in the CAP.

Step 1

Question 1

Step 1 of the CAP Checklist determines land use consistency. Question 1 of Step 1 asks if a project is less than a certain size. If so, it is deemed consistent with the City's CAP by emitting fewer than 500 MT CO_2e per year and would be less than significant. As shown in Table 17, the Project exceeds 500 MT CO_2e, as such it exceeds the screening threshold, therefore the Project would answer "Yes" to this question and must proceed to Question 2 of Step 1.

Question 2

Question 2 of Step 1 asks if the project is consistent with the existing General Plan land use designation. The Project site is designated as Commercial (C) in the City's General Plan and is zoned Commercial (C). The Project is proposing a General Plan Amendment to redesignate the site as Specific Plan Area (SPA) and develop a mix of uses consisting of residential, commercial and office uses. The Project would answer "No" to this question and must proceed to Question 3 of Step 1.

Question 3

Question 3 of Step 1 asks for projects including a General Plan Amendment to determine if the project would generate GHG emissions equal to or less than estimated emissions generated under the existing designation. This question recognizes that a General Plan Amendment would not necessarily make the Project inconsistent with the growth projections included in the CAP. For example, if a project includes a General Plan land use amendment that would result in an equivalent or less GHG-intensive project when compared to the existing designations, it would still be within the projections assumed in the CAP. In addition to providing evidence to support the conclusion that the project would generate fewer emissions than existing designations, these projects would demonstrate consistency with the CAP through completion of Step 2 of the Checklist.

As discussed in Section 3.5.1.1, and shown in Table 9, the existing land use designation and zoning would result in greater vehicle trips and VMT compared to the proposed Project. Table 18 provides a comparison of GHG emissions between the existing land use designation and the proposed Project.

Table 18. Comparison of Estimated Annual Operational Greenhouse Gas Emissions – Unmitigated

Development	CO_2	CH_4	N_2O	R	CO_2e
	metric tons per year				
Proposed Project	1,605.00	1.66	0.08	2.21	1,671.00
Existing General Plan – Mixed Use Development Retail (129,000 sf) and Office (40,000 sf), and 1 acre of parking	2,752.00	0.20	0.14	4.03	2,804.00

Notes: CO_2 = carbon dioxide; CH_4 = methane; N_2O = nitrous oxide; R=refrigerants; CO_2e = carbon dioxide equivalent
See Appendix A for complete results.

As shown in Table 18, the proposed Project would generate fewer GHG emissions than the existing land use designation; the Project would answer "Yes" to this question and then proceed to Step 2 of the Checklist.

Step 2

The second step of CAP consistency review is to evaluate a project's consistency with the applicable strategies and measures of the CAP. Each checklist item is associated with a specific GHG reduction measure in the City's CAP. "N/A" should only be checked based on the direction provided in each checklist item question. All projects for which the measure is applicable must demonstrate that the project would implement measures consistent with the checklist item, or fully substantiate how the item would be infeasible for project implementation. "N/A" responses are subject to Planning Division review and approval. If "No" is provided as a response to a question, the project would be determined to be inconsistent with the CAP and would result in a significant GHG impact.

Checklist Item 1. Electric Vehicle Charging Stations (Measure T-2)

This checklist item applies to multi-family residential and non-residential projects. It asks if the project will install electric vehicle charging stations (Level 2 or better) in at least 5% of the total parking spaces provided on site.

The Project would answer "Yes" to this question. The CAP requires 12 Level 2 chargers on the west side of the Project (5% of 238 parking spaces) and 14 Level 2 Chargers on the east side of the Project (5% of 278 parking spaces.). The applicant would work with the City to ensure the appropriate percentage of Level 2 charges are incorporated into the site plan review and CAP consistency process.

Checklist Item 2. Bicycle Infrastructure (Measure T-8)

This checklist item applies to residential and non-residential projects. It asks if the following conditions are met, would the project pay its fair-share contribution to bicycle infrastructure improvements of the following:

- Intersection or roadway segment improvements are proposed as part of the project.
- The City's General Plan Mobility Element identifies bicycle infrastructure improvements at any intersection(s) or roadway segment(s) that would be improved as part of the project.

The Project would answer "Yes" to this checklist question. There are no Class II bicycle facilities along project frontage. However, per the City of San Marcos General Plan, there are planned Class II bicycle facilities along the segments of Grand Avenue and Linda Vista Drive fronting the Project. Based on the preliminary review of the Project site plan, the Project would construct a Class I bike path at its project frontage along the segments of Linda Vista Drive and Grand Avenue.

Checklist Item 3. Transportation Demand Management (Measure T-9)

This checklist item applies to residential and non-residential projects. Will the project develop and implement a Transportation Demand Management (TDM) Plan that includes, at a minimum, all of the TDM strategies listed below?

- Provide discounted monthly transit pass or provide at least 25 percent transit fare subsidy to residents/employees.
- Provide designated car-share, carpool, vanpool, and/or park-and-ride parking spaces.

- Provide pedestrian connections between all internal uses and to all existing or planned external streets around the project site(s).
- Provide secure bicycle parking spaces or bicycle racks, showers, and clothes lockers.
- Encourage telecommuting for employees (allow one telecommute day per week or compressed work weeks) or provide a telecommute work center with common office space and equipment available to residents.

-or

- Would the project implement and monitor for four (4) years a TDM program that demonstrates an alternative transportation (i.e. carpool, public transit, bicycle, walk, telecommute) mode share of at least 29 percent for all residents?

The Project would answer "Yes" to this checklist question.. The Transportation Impact Study prepared for the Project evaluated each land uses' VMT impacts independently as mixed-use project. Per Section 2.1.2.5 of the City's Transportation Impact Analysis Guidelines (TIAG), the Project is located in an efficient VMT per capita area, therefore, the residential component is deemed to have less than significant VMT impacts, however, the CAP measure for TDM would still apply. The retail component of the Project would develop less than 50,000 square feet, and as such, would be considered "local-serving retail", therefore, it would have less than significant VMT impacts, however CAP TDM measures would still be required. The office component of the Project was the only land use that was determined to result in a potentially significant VMT impact. Mitigation would be implemented to reduce the VMT impact to less than significant and would include voluntary TDM measures such as providing transit information to tenants, offering transit passes or fares, providing rideshare and micro mobility parking on-site as well as bicycle racks. Additionally, tenants within the office area would be encouraged to implement telecommuting, flexible work schedules, and/or compressed work weeks.

Checklist Item 4. Reduce Parking Near Transit (Measure T-12)

This checklist item applies to multi-family residential projects. If located within one-half mile of a major transit stop, would the project provide at least 27% fewer parking spaces than required for the same use based on the City's municipal code parking requirements?

The Project would answer "N/A" this checklist item. The City's CAP defines a major transit stop as a bus or light-rail station with fixed service and 10-minute minimum headways during peak hours. The Project site is within one half mile of the transit lines serviced by North County Transit District (NCTD) described below:

- Bus Route 347 – This bus route is serviced along West Mission Road and North Las Posas Road within the project study area. This bus route connects the Palomar College Transit Center to the CSU San Marcos SPRINTER Station. Operations start at 5:31 AM and end at 7:21 PM between Monday and Friday with 30-minute intervals. On Saturdays, operations start at 7:22 AM and ends at 7:08 PM with 60-minute intervals. This route does not operate on Sundays.
- Bus Route 445 – This bus route is serviced along West Mission Road and North Las Posas Road within the project study area. This bus route connects the Palomar College Transit Center to the Carlsbad Poinsettia Station (COASTER Connection). Between Monday and Friday, operations start at 6:34 AM and end at 10:19 AM with 30-minute intervals for the morning period. Similarly, between Monday and Friday, operates start

at 3:36 PM and ends at 7:19 PM with 30-minutes intervals for the afternoon period. This route does not operate on Saturdays or Sundays.

- SPRINTER – This light rail line runs between Oceanside Transit Center and Escondido Transit Center (eastbound and westbound direction). The nearest stop to the Project site is the Palomar College Transit Center. Operations start at 4:17 AM and end at 9:10 PM between Monday and Sunday with 30-minute intervals.

As shown above, although the Project is located near transit, however, none of the stops would qualify as a major transit stop, therefore, this measure would not be applicable.

Checklist Item 5. Water Heaters (Measure E-1)

This checklist item applies to residential projects and asks if the project would install one of, or a combination of, the following water heater types in place of natural gas water heaters:

- Electric heat pump water heater
- Instantaneous electric water heater
- Electric tank
- Solar water heater with heat pump water heater backup
- Solar water heater with electric tank backup

The Project would answer "Yes" to this checklist item. The Project would develop 102 townhomes and 7 live/work dwelling units; as such, this measure would be applicable. The applicant would work with the City to identify the exact technology that would be implemented during the site plan and CAP review process.

Checklist Item 6. Photovoltaic Installation (Measure E-2)

This checklist item applies to non-residential projects and asks if the project would install photovoltaic systems with a minimum capacity of two watts per square foot of gross floor area?

The Project would answer "Yes" to this checklist item. The Project is proposing to develop a Specific Plan Area, as such some of the final commercial building layouts and design may still be refined. In all circumstances, the applicant will work in concert with the City to install a photovoltaic system to meet the City's CAP requirement.

Checklist Item 7. Landscaping Water Use (Measure W-1)

This checklist item applies to residential and non-residential projects and asks if the project would comply with the City's Water Efficient Landscape Ordinance.

The Project would answer "Yes" to this checklist item. The Project design will comply with the City's Water Efficient Landscape Ordinance.

Checklist Item 8. Urban Tree Canopy (Measure C-2)

This checklist item applies to residential and non-residential projects and asks if the project is providing more than 10 parking spaces, will the project plant at least one tree per five parking spaces provided?

The Project would answer "Yes" to this checklist item. The Project would design its landscaping to meet the requirement of at least one tree per five parking spaced provided.

Summary

The Project was shown to implement all applicable checklist items within the City's CAP. Therefore, the Project would be consistent with the City's CAP, and impacts to GHG emissions would be **less than significant**.

Consistency with Senate Bill 32, Assembly Bill 1279, and Executive Order S-3-05

EO S-3-05 identified the following goals: GHG emissions should be reduced to 2000 levels by 2010, to 1990 levels by 2020, and to 80% below 1990 levels by 2050. SB 32 establishes a statewide GHG emissions reduction target whereby CARB, in adopting rules and regulations to achieve the maximum technologically feasible and cost-effective GHG emissions reductions, shall ensure that statewide GHG emissions are reduced to at least 40% below 1990 levels by December 31, 2030. AB 1279 establishes a policy of the state to achieve net zero GHG emissions no later than 2045 and for statewide anthropogenic GHG emissions to be reduced to at least 85% below 1990 levels by 2045.

Each Scoping Plan builds upon the successful framework established by the initial Scoping Plan and subsequent updates, while also identifying new, technologically feasible, and cost-effective strategies to ensure that California meets increasingly stringent GHG reduction targets in a way that promotes and rewards innovation, continues to foster economic growth, and delivers improvements to the environment and public health, including in disadvantaged communities. The Scoping Plan updates have continued to express optimism in meeting future year targets of 2050 and 2030, as evaluated in the 2014 and 2017 Scoping Plans (respectively), and most recently, the 2045 goal addressed in the 2022 Scoping Plan under EO B-55-18, which AB 1279 codified and expanded on.

While there are no established protocols or thresholds of significance for that future year analysis, CARB forecasted in the 2014 Scoping Plan that compliance with the current Scoping Plan would put the state on a trajectory of meeting the long-term 2050 GHG goals, although the specific path to compliance was unknown at the time (CARB 2014). The 2017 Scoping Plan outlined a strategy to achieve the 2030 GHG reduction target. The proposed scenario in the 2022 Scoping Plan lays out a path not just to carbon neutrality by 2045, but also to the 2030 GHG emissions reduction target (CARB 2022d). The modeling indicates that, if the plan described in the proposed scenario is fully implemented, and done so on schedule, the state is on track to reduce its emissions to 260 MMT CO_2e by 2030 (CARB 2022d).

The City's CAP outlines the measures for the City to achieve its share of state GHG reductions. The City's GHG reduction targets are consistent with the CARB's recommendations for community-wide targets. As discussed in the CAP, by meeting the 2030 target, the City will meet the 2030 state goal identified in SB 32 and maintain a trajectory to meet its proportional share of the 2050 target identified in EO S-3-05. Regarding, AB 1279, it is important to note that the state's carbon neutrality goal does not preclude any individual project from emitting GHG emissions. AB 1279 codifies EO B-55-18, however, its enactment was linked to the concurrent enactment of SB 905, which requires CARB to create a Carbon Capture, Removal, Utilization, and Storage Program that, fundamentally, will sequester carbon emitted by other projects. Therefore, the state's carbon neutrality goal does not preclude all individual projects from emitting GHG emissions.

As discussed above, the Project would be consistent with the CAP and, therefore, would be consistent with state GHG reduction goals and progress towards achieving carbon neutrality.

Consistency with SANDAG RTP/SCS

At the regional level, the SANDAG's RTP/SCS has been adopted for the purpose of reducing GHG emissions attributable to passenger vehicles in the San Diego region. In October 2015, SANDAG adopted its Regional Plan, which was subsequently updated in 2021. The RTP/SCS is not directly applicable to the Project because the underlying purpose of the RTP/SCS is to provide direction and guidance on future regional growth (i.e., the location of new residential and nonresidential land uses) and transportation patterns throughout the City and greater San Diego County, as stipulated under Senate Bill 375. CARB has recognized that the approved RTP/SCS is consistent with Senate Bill 375. The SANDAG Regional Plan is generally consistent with the local government plans. Since the Project is within the scope of development that was anticipated in the General Plan (see Section 3.5.1), it would not result in growth that would conflict with the Regional Plan.

Summary

Based on the preceding considerations, the Project would not conflict with an applicable plan adopted for the purpose of reducing GHG emissions or generate GHG emissions that would have a significant impact on the environment; therefore, the Project's impacts on GHG emissions would be **less than significant**.

Level of Significance Before Mitigation

Impacts would be less than significant.

Mitigation Measures

No mitigation is required.

Level of Significance After Mitigation

Impacts would be less than significant without mitigation.

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Appendix A
CalEEMod Results

San Marcos Specific Plan Detailed Report

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7.2. Healthy Places Index Scores

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7.4. Health & Equity Measures

7.5. Evaluation Scorecard

7.6. Health & Equity Custom Measures

8. User Changes to Default Data

1. Basic Project Information

1.1. Basic Project Information

Data Field	Value
Project Name	San Marcos Specific Plan
Lead Agency	City of San Marcos
Land Use Scale	Project/site
Analysis Level for Defaults	County
Windspeed (m/s)	2.20
Precipitation (days)	9.80
Location	33.140389807114516, -117.18649824052213
County	San Diego
City	San Marcos
Air District	San Diego County APCD
Air Basin	San Diego
TAZ	6271
EDFZ	12
Electric Utility	San Diego Gas & Electric
Gas Utility	San Diego Gas & Electric

1.2. Land Use Types

Land Use Subtype	Size	Unit	Lot Acreage	Building Area (sq ft)	Landscape Area (sq ft)	Special Landscape Area (sq ft)	Population	Description
Condo/Townhouse	109	Dwelling Unit	3.00	169,282	70,608	0.00	304	Residential Component
Regional Shopping Center	49.3	1000sqft	2.00	49,266	10,000	0.00	—	Specialty Retail

General Office Building	7.66	1000sqft	0.25	7,658	1,000	0.00	—	—
Parking Lot	312	Space	3.50	0.00	0.00	0.00	—	—
Other Asphalt Surfaces	2.00	Acre	2.00	0.00	0.00	0.00	—	—
Other Non-Asphalt Surfaces	1.32	Acre	1.32	0.00	0.00	0.00	—	—

1.3. User-Selected Emission Reduction Measures by Emissions Sector

Sector	#	Measure Title
Construction	C-10-A	Water Exposed Surfaces
Transportation	T-14*	Provide Electric Vehicle Charging Infrastructure
Energy	E-10-B	Establish Onsite Renewable Energy Systems: Solar Power
Waste	S-1/S-2	Implement Waste Reduction Plan

* Qualitative or supporting measure. Emission reductions not included in the mitigated emissions results.

2. Emissions Summary

2.1. Construction Emissions Compared Against Thresholds

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Un/Mit.	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	4.28	70.5	34.4	31.2	0.06	1.45	10.7	12.1	1.33	3.82	5.15	—	6,801	6,801	0.28	0.13	5.02	6,827
Mit.	4.28	70.5	34.4	31.2	0.06	1.45	5.05	6.50	1.33	1.59	2.93	—	6,801	6,801	0.28	0.13	5.02	6,827
% Reduced	—	—	—	—	—	—	53%	46%	—	58%	43%	—	—	—	—	—	—	—

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	4.42	3.72	36.0	33.7	0.06	1.60	21.1	22.7	1.47	10.3	11.7	—	8,116	8,116	0.39	0.79	0.28	8,360
Mit.	4.42	3.72	36.0	33.7	0.06	1.60	9.10	10.7	1.47	4.10	5.58	—	8,116	8,116	0.39	0.79	0.28	8,360
% Reduced	—	—	—	—	—	—	57%	53%	—	60%	53%	—	—	—	—	—	—	—
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	1.50	4.15	10.8	12.7	0.02	0.44	2.06	2.50	0.40	0.67	1.08	—	2,881	2,881	0.13	0.11	1.36	2,919
Mit.	1.50	4.15	10.8	12.7	0.02	0.44	1.43	1.86	0.40	0.38	0.79	—	2,881	2,881	0.13	0.11	1.36	2,919
% Reduced	—	—	—	—	—	—	31%	25%	—	43%	27%	—	—	—	—	—	—	—
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	0.27	0.76	1.97	2.32	< 0.005	0.08	0.38	0.46	0.07	0.12	0.20	—	477	477	0.02	0.02	0.23	483
Mit.	0.27	0.76	1.97	2.32	< 0.005	0.08	0.26	0.34	0.07	0.07	0.14	—	477	477	0.02	0.02	0.23	483
% Reduced	—	—	—	—	—	—	31%	25%	—	43%	27%	—	—	—	—	—	—	—
Exceeds (Daily Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Threshold	—	75.0	250	550	250	100	—	—	55.0	—	—	—	—	—	—	—	—	—
Unmit.	—	No	No	No	No	No	—	—	No	—	—	—	—	—	—	—	—	—
Mit.	—	No	No	No	No	No	—	—	No	—	—	—	—	—	—	—	—	—
Exceeds (Average Daily)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Threshold	—	75.0	250	550	250	100	—	—	55.0	—	—	—	—	—	—	—	—	—
Unmit.	—	No	No	No	No	No	—	—	No	—	—	—	—	—	—	—	—	—

Mit.	—	No	No	No	No	No	—	—	No	—	—	—	—	—	—	—	—	—
Exceeds (Annual)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Threshold	—	13.7	40.0	100	40.0	15.0	—	—	10.0	—	—	—	—	—	—	—	—	—
Unmit.	—	No	No	No	No	No	—	—	No	—	—	—	—	—	—	—	—	—
Mit.	—	No	No	No	No	No	—	—	No	—	—	—	—	—	—	—	—	—

2.2. Construction Emissions by Year, Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Year	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2024	4.28	3.60	34.4	31.2	0.06	1.45	10.7	12.1	1.33	3.82	5.15	—	6,801	6,801	0.28	0.13	5.02	6,827
2025	1.02	70.5	7.50	10.7	0.01	0.35	0.17	0.48	0.32	0.04	0.35	—	1,663	1,663	0.07	0.02	0.71	1,671
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2024	4.42	3.72	36.0	33.7	0.06	1.60	21.1	22.7	1.47	10.3	11.7	—	8,116	8,116	0.39	0.79	0.28	8,360
2025	1.79	1.58	11.5	17.1	0.03	0.44	0.92	1.36	0.40	0.22	0.63	—	3,773	3,773	0.17	0.13	0.12	3,816
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2024	1.50	1.25	10.8	12.7	0.02	0.44	2.06	2.50	0.40	0.67	1.08	—	2,881	2,881	0.13	0.11	1.36	2,919
2025	0.30	4.15	1.95	2.91	< 0.005	0.08	0.13	0.21	0.07	0.03	0.10	—	596	596	0.03	0.02	0.29	603
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2024	0.27	0.23	1.97	2.32	< 0.005	0.08	0.38	0.46	0.07	0.12	0.20	—	477	477	0.02	0.02	0.23	483
2025	0.05	0.76	0.36	0.53	< 0.005	0.01	0.02	0.04	0.01	0.01	0.02	—	98.7	98.7	< 0.005	< 0.005	0.05	99.8

2.3. Construction Emissions by Year, Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Year	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2024	4.28	3.60	34.4	31.2	0.06	1.45	5.05	6.50	1.33	1.59	2.93	—	6,801	6,801	0.28	0.13	5.02	6,827
2025	1.02	70.5	7.50	10.7	0.01	0.35	0.17	0.48	0.32	0.04	0.35	—	1,663	1,663	0.07	0.02	0.71	1,671
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2024	4.42	3.72	36.0	33.7	0.06	1.60	9.10	10.7	1.47	4.10	5.58	—	8,116	8,116	0.39	0.79	0.28	8,360
2025	1.79	1.58	11.5	17.1	0.03	0.44	0.92	1.36	0.40	0.22	0.63	—	3,773	3,773	0.17	0.13	0.12	3,816
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2024	1.50	1.25	10.8	12.7	0.02	0.44	1.43	1.86	0.40	0.38	0.79	—	2,881	2,881	0.13	0.11	1.36	2,919
2025	0.30	4.15	1.95	2.91	< 0.005	0.08	0.13	0.21	0.07	0.03	0.10	—	596	596	0.03	0.02	0.29	603
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2024	0.27	0.23	1.97	2.32	< 0.005	0.08	0.26	0.34	0.07	0.07	0.14	—	477	477	0.02	0.02	0.23	483
2025	0.05	0.76	0.36	0.53	< 0.005	0.01	0.02	0.04	0.01	0.01	0.02	—	98.7	98.7	< 0.005	< 0.005	0.05	99.8

2.4. Operations Emissions Compared Against Thresholds

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Un/Mit.	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	9.81	14.4	6.56	50.8	0.10	0.27	2.87	3.14	0.26	0.51	0.77	92.1	11,991	12,083	10.0	0.46	30.4	12,500
Mit.	9.81	14.4	6.56	50.8	0.10	0.27	2.87	3.14	0.26	0.51	0.77	54.5	11,935	11,990	6.22	0.45	30.4	12,310

% Reduced	—	—	—	—	—	—	—	—	—	—	—	41%	< 0.5%	1%	38%	1%	—	2%
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	8.62	13.2	6.89	41.8	0.10	0.26	2.87	3.13	0.26	0.51	0.76	92.1	11,584	11,676	10.1	0.48	2.22	12,074
Mit.	8.62	13.2	6.89	41.8	0.10	0.26	2.87	3.13	0.26	0.51	0.76	54.5	11,528	11,583	6.27	0.48	2.22	11,884
% Reduced	—	—	—	—	—	—	—	—	—	—	—	41%	< 0.5%	1%	38%	1%	—	2%
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	8.78	13.4	5.41	43.7	0.09	0.16	2.73	2.89	0.15	0.48	0.63	92.1	9,600	9,692	10.0	0.46	13.4	10,093
Mit.	8.78	13.4	5.41	43.7	0.09	0.16	2.73	2.89	0.15	0.48	0.63	54.5	9,544	9,599	6.21	0.46	13.4	9,904
% Reduced	—	—	—	—	—	—	—	—	—	—	—	41%	1%	1%	38%	1%	—	2%
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	1.60	2.45	0.99	7.98	0.02	0.03	0.50	0.53	0.03	0.09	0.12	15.2	1,589	1,605	1.66	0.08	2.21	1,671
Mit.	1.60	2.45	0.99	7.98	0.02	0.03	0.50	0.53	0.03	0.09	0.12	9.02	1,580	1,589	1.03	0.08	2.21	1,640
% Reduced	—	—	—	—	—	—	—	—	—	—	—	41%	1%	1%	38%	1%	—	2%
Exceeds (Daily Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Threshold	—	75.0	250	550	250	100	—	—	55.0	—	—	—	—	—	—	—	—	—
Unmit.	—	No	No	No	No	No	—	—	No	—	—	—	—	—	—	—	—	—
Mit.	—	No	No	No	No	No	—	—	No	—	—	—	—	—	—	—	—	—
Exceeds (Average Daily)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Threshold	—	75.0	250	550	250	100	—	—	55.0	—	—	—	—	—	—	—	—	—
Unmit.	—	No	No	No	No	No	—	—	No	—	—	—	—	—	—	—	—	—
Mit.	—	No	No	No	No	No	—	—	No	—	—	—	—	—	—	—	—	—
Exceeds (Annual)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Threshold	—	13.7	40.0	100	40.0	15.0	—	—	10.0	—	—	—	—	—	—	—	—	—
Unmit.	—	No	No	No	No	No	—	—	No	—	—	—	—	—	—	—	—	—
Mit.	—	No	No	No	No	No	—	—	No	—	—	—	—	—	—	—	—	—

2.5. Operations Emissions by Sector, Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Sector	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	8.52	8.02	4.10	41.0	0.09	0.07	2.87	2.94	0.07	0.51	0.57	—	8,801	8,801	0.54	0.40	28.9	8,962
Area	1.22	6.30	1.77	9.38	0.01	0.14	—	0.14	0.14	—	0.14	0.00	2,174	2,174	0.04	< 0.005	—	2,177
Energy	0.08	0.04	0.69	0.34	< 0.005	0.06	—	0.06	0.06	—	0.06	—	1,007	1,007	0.18	0.01	—	1,016
Water	—	—	—	—	—	—	—	—	—	—	—	16.9	8.39	25.3	1.74	0.04	—	81.4
Waste	—	—	—	—	—	—	—	—	—	—	—	75.1	0.00	75.1	7.51	0.00	—	263
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.47	1.47
Total	9.81	14.4	6.56	50.8	0.10	0.27	2.87	3.14	0.26	0.51	0.77	92.1	11,991	12,083	10.0	0.46	30.4	12,500
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	8.34	7.82	4.51	40.7	0.08	0.07	2.87	2.94	0.07	0.51	0.57	—	8,421	8,421	0.59	0.42	0.75	8,563
Area	0.20	5.35	1.69	0.72	0.01	0.14	—	0.14	0.14	—	0.14	0.00	2,148	2,148	0.04	< 0.005	—	2,150
Energy	0.08	0.04	0.69	0.34	< 0.005	0.06	—	0.06	0.06	—	0.06	—	1,007	1,007	0.18	0.01	—	1,016

Water	—	—	—	—	—	—	—	—	—	—	—	16.9	8.39	25.3	1.74	0.04	—	81.4
Waste	—	—	—	—	—	—	—	—	—	—	—	75.1	0.00	75.1	7.51	0.00	—	263
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.47	1.47
Total	8.62	13.2	6.89	41.8	0.10	0.26	2.87	3.13	0.26	0.51	0.76	92.1	11,584	11,676	10.1	0.48	2.22	12,074
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	8.16	7.66	4.30	39.0	0.08	0.07	2.73	2.80	0.06	0.48	0.54	—	8,089	8,089	0.57	0.40	11.9	8,236
Area	0.55	5.74	0.42	4.43	< 0.005	0.03	—	0.03	0.03	—	0.03	0.00	496	496	0.01	< 0.005	—	496
Energy	0.08	0.04	0.69	0.34	< 0.005	0.06	—	0.06	0.06	—	0.06	—	1,007	1,007	0.18	0.01	—	1,016
Water	—	—	—	—	—	—	—	—	—	—	—	16.9	8.39	25.3	1.74	0.04	—	81.4
Waste	—	—	—	—	—	—	—	—	—	—	—	75.1	0.00	75.1	7.51	0.00	—	263
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.47	1.47
Total	8.78	13.4	5.41	43.7	0.09	0.16	2.73	2.89	0.15	0.48	0.63	92.1	9,600	9,692	10.0	0.46	13.4	10,093
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	1.49	1.40	0.78	7.11	0.01	0.01	0.50	0.51	0.01	0.09	0.10	—	1,339	1,339	0.09	0.07	1.97	1,364
Area	0.10	1.05	0.08	0.81	< 0.005	0.01	—	0.01	0.01	—	0.01	0.00	82.1	82.1	< 0.005	< 0.005	—	82.2
Energy	0.01	0.01	0.13	0.06	< 0.005	0.01	—	0.01	0.01	—	0.01	—	167	167	0.03	< 0.005	—	168
Water	—	—	—	—	—	—	—	—	—	—	—	2.80	1.39	4.19	0.29	0.01	—	13.5
Waste	—	—	—	—	—	—	—	—	—	—	—	12.4	0.00	12.4	1.24	0.00	—	43.5
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.24	0.24
Total	1.60	2.45	0.99	7.98	0.02	0.03	0.50	0.53	0.03	0.09	0.12	15.2	1,589	1,605	1.66	0.08	2.21	1,671

2.6. Operations Emissions by Sector, Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Sector	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Mobile	8.52	8.02	4.10	41.0	0.09	0.07	2.87	2.94	0.07	0.51	0.57	—	8,801	8,801	0.54	0.40	28.9	8,962
Area	1.22	6.30	1.77	9.38	0.01	0.14	—	0.14	0.14	—	0.14	0.00	2,174	2,174	0.04	< 0.005	—	2,177
Energy	0.08	0.04	0.69	0.34	< 0.005	0.06	—	0.06	0.06	—	0.06	—	951	951	0.14	0.01	—	957
Water	—	—	—	—	—	—	—	—	—	—	—	16.9	8.39	25.3	1.74	0.04	—	81.4
Waste	—	—	—	—	—	—	—	—	—	—	—	37.6	0.00	37.6	3.76	0.00	—	131
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.47	1.47
Total	9.81	14.4	6.56	50.8	0.10	0.27	2.87	3.14	0.26	0.51	0.77	54.5	11,935	11,990	6.22	0.45	30.4	12,310
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	8.34	7.82	4.51	40.7	0.08	0.07	2.87	2.94	0.07	0.51	0.57	—	8,421	8,421	0.59	0.42	0.75	8,563
Area	0.20	5.35	1.69	0.72	0.01	0.14	—	0.14	0.14	—	0.14	0.00	2,148	2,148	0.04	< 0.005	—	2,150
Energy	0.08	0.04	0.69	0.34	< 0.005	0.06	—	0.06	0.06	—	0.06	—	951	951	0.14	0.01	—	957
Water	—	—	—	—	—	—	—	—	—	—	—	16.9	8.39	25.3	1.74	0.04	—	81.4
Waste	—	—	—	—	—	—	—	—	—	—	—	37.6	0.00	37.6	3.76	0.00	—	131
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.47	1.47
Total	8.62	13.2	6.89	41.8	0.10	0.26	2.87	3.13	0.26	0.51	0.76	54.5	11,528	11,583	6.27	0.48	2.22	11,884
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	8.16	7.66	4.30	39.0	0.08	0.07	2.73	2.80	0.06	0.48	0.54	—	8,089	8,089	0.57	0.40	11.9	8,236
Area	0.55	5.74	0.42	4.43	< 0.005	0.03	—	0.03	0.03	—	0.03	0.00	496	496	0.01	< 0.005	—	496
Energy	0.08	0.04	0.69	0.34	< 0.005	0.06	—	0.06	0.06	—	0.06	—	951	951	0.14	0.01	—	957
Water	—	—	—	—	—	—	—	—	—	—	—	16.9	8.39	25.3	1.74	0.04	—	81.4
Waste	—	—	—	—	—	—	—	—	—	—	—	37.6	0.00	37.6	3.76	0.00	—	131
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.47	1.47
Total	8.78	13.4	5.41	43.7	0.09	0.16	2.73	2.89	0.15	0.48	0.63	54.5	9,544	9,599	6.21	0.46	13.4	9,904
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	1.49	1.40	0.78	7.11	0.01	0.01	0.50	0.51	0.01	0.09	0.10	—	1,339	1,339	0.09	0.07	1.97	1,364
Area	0.10	1.05	0.08	0.81	< 0.005	0.01	—	0.01	0.01	—	0.01	0.00	82.1	82.1	< 0.005	< 0.005	—	82.2

Energy	0.01	0.01	0.13	0.06	< 0.005	0.01	—	0.01	0.01	—	0.01	—	157	157	0.02	< 0.005	—	159
Water	—	—	—	—	—	—	—	—	—	—	—	2.80	1.39	4.19	0.29	0.01	—	13.5
Waste	—	—	—	—	—	—	—	—	—	—	—	6.22	0.00	6.22	0.62	0.00	—	21.8
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.24	0.24
Total	1.60	2.45	0.99	7.98	0.02	0.03	0.50	0.53	0.03	0.09	0.12	9.02	1,580	1,589	1.03	0.08	2.21	1,640

3. Construction Emissions Details

3.1. Demolition (2024) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	3.00	2.52	24.0	20.7	0.03	1.03	—	1.03	0.95	—	0.95	—	3,284	3,284	0.13	0.03	—	3,295
Demolition	—	—	—	—	—	—	5.46	5.46	—	0.83	0.83	—	—	—	—	—	—	—
Onsite truck	< 0.005	< 0.005	0.02	0.01	< 0.005	< 0.005	1.29	1.29	< 0.005	0.13	0.13	—	8.94	8.94	< 0.005	< 0.005	< 0.005	9.38
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.16	0.14	1.32	1.14	< 0.005	0.06	—	0.06	0.05	—	0.05	—	180	180	0.01	< 0.005	—	181
Demolition	—	—	—	—	—	—	0.30	0.30	—	0.05	0.05	—	—	—	—	—	—	—

Onsite truck	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0.07	0.07	< 0.005	0.01	0.01	—	0.49	0.49	< 0.005	< 0.005	< 0.005	0.51
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.03	0.03	0.24	0.21	< 0.005	0.01	—	0.01	0.01	—	0.01	—	29.8	29.8	< 0.005	< 0.005	—	29.9
Demolition	—	—	—	—	—	—	0.05	0.05	—	0.01	0.01	—	—	—	—	—	—	—
Onsite truck	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	0.08	0.08	< 0.005	< 0.005	< 0.005	0.09
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.06	0.05	0.61	0.00	0.00	0.12	0.12	0.00	0.03	0.03	—	128	128	0.01	< 0.005	0.01	130
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.35	0.10	6.54	2.28	0.03	0.08	1.19	1.27	0.08	0.32	0.41	—	4,696	4,696	0.25	0.75	0.26	4,927
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.03	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	7.07	7.07	< 0.005	< 0.005	0.01	7.17
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.02	0.01	0.36	0.12	< 0.005	< 0.005	0.06	0.07	< 0.005	0.02	0.02	—	257	257	0.01	0.04	0.24	270
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	1.17	1.17	< 0.005	< 0.005	< 0.005	1.19
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	< 0.005	0.07	0.02	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	42.6	42.6	< 0.005	0.01	0.04	44.7

3.2. Demolition (2024) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	3.00	2.52	24.0	20.7	0.03	1.03	—	1.03	0.95	—	0.95	—	3,284	3,284	0.13	0.03	—	3,295
Demolition	—	—	—	—	—	—	5.46	5.46	—	0.83	0.83	—	—	—	—	—	—	—
Onsite truck	< 0.005	< 0.005	0.02	0.01	< 0.005	< 0.005	1.29	1.29	< 0.005	0.13	0.13	—	8.94	8.94	< 0.005	< 0.005	< 0.005	9.38
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.16	0.14	1.32	1.14	< 0.005	0.06	—	0.06	0.05	—	0.05	—	180	180	0.01	< 0.005	—	181
Demolition	—	—	—	—	—	—	0.30	0.30	—	0.05	0.05	—	—	—	—	—	—	—
Onsite truck	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0.07	0.07	< 0.005	0.01	0.01	—	0.49	0.49	< 0.005	< 0.005	< 0.005	0.51
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.03	0.03	0.24	0.21	< 0.005	0.01	—	0.01	0.01	—	0.01	—	29.8	29.8	< 0.005	< 0.005	—	29.9
Demolition	—	—	—	—	—	—	0.05	0.05	—	0.01	0.01	—	—	—	—	—	—	—
Onsite truck	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	0.08	0.08	< 0.005	< 0.005	< 0.005	0.09
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.06	0.05	0.61	0.00	0.00	0.12	0.12	0.00	0.03	0.03	—	128	128	0.01	< 0.005	0.01	130
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.35	0.10	6.54	2.28	0.03	0.08	1.19	1.27	0.08	0.32	0.41	—	4,696	4,696	0.25	0.75	0.26	4,927
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.03	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	7.07	7.07	< 0.005	< 0.005	0.01	7.17
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.02	0.01	0.36	0.12	< 0.005	< 0.005	0.06	0.07	< 0.005	0.02	0.02	—	257	257	0.01	0.04	0.24	270
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	1.17	1.17	< 0.005	< 0.005	< 0.005	1.19
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	< 0.005	0.07	0.02	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	42.6	42.6	< 0.005	0.01	0.04	44.7

3.3. Site Preparation (2024) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	4.34	3.65	36.0	32.9	0.05	1.60	—	1.60	1.47	—	1.47	—	5,296	5,296	0.21	0.04	—	5,314

Dust From Material Movement	—	—	—	—	—	—	19.7	19.7	—	10.1	10.1	—	—	—	—	—	—	—
Onsite truck	< 0.005	< 0.005	0.02	0.01	< 0.005	< 0.005	1.29	1.29	< 0.005	0.13	0.13	—	8.94	8.94	< 0.005	< 0.005	< 0.005	9.38
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.12	0.10	0.99	0.90	< 0.005	0.04	—	0.04	0.04	—	0.04	—	145	145	0.01	< 0.005	—	146
Dust From Material Movement	—	—	—	—	—	—	0.54	0.54	—	0.28	0.28	—	—	—	—	—	—	—
Onsite truck	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0.04	0.04	< 0.005	< 0.005	< 0.005	—	0.24	0.24	< 0.005	< 0.005	< 0.005	0.26
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.02	0.18	0.16	< 0.005	0.01	—	0.01	0.01	—	0.01	—	24.0	24.0	< 0.005	< 0.005	—	24.1
Dust From Material Movement	—	—	—	—	—	—	0.10	0.10	—	0.05	0.05	—	—	—	—	—	—	—
Onsite truck	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	0.04	0.04	< 0.005	< 0.005	< 0.005	0.04
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.08	0.07	0.07	0.76	0.00	0.00	0.15	0.15	0.00	0.03	0.03	—	160	160	0.01	0.01	0.02	162
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.02	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	4.42	4.42	< 0.005	< 0.005	0.01	4.48
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.73	0.73	< 0.005	< 0.005	< 0.005	0.74
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.4. Site Preparation (2024) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	4.34	3.65	36.0	32.9	0.05	1.60	—	1.60	1.47	—	1.47	—	5,296	5,296	0.21	0.04	—	5,314
Dust From Material Movement	—	—	—	—	—	—	7.67	7.67	—	3.94	3.94	—	—	—	—	—	—	—
Onsite truck	< 0.005	< 0.005	0.02	0.01	< 0.005	< 0.005	1.29	1.29	< 0.005	0.13	0.13	—	8.94	8.94	< 0.005	< 0.005	< 0.005	9.38
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.12	0.10	0.99	0.90	< 0.005	0.04	—	0.04	0.04	—	0.04	—	145	145	0.01	< 0.005	—	146

Dust From Material Movement	—	—	—	—	—	—	0.21	0.21	—	0.11	0.11	—	—	—	—	—	—	—
Onsite truck	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0.04	0.04	< 0.005	< 0.005	< 0.005	—	0.24	0.24	< 0.005	< 0.005	< 0.005	0.26
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.02	0.18	0.16	< 0.005	0.01	—	0.01	0.01	—	0.01	—	24.0	24.0	< 0.005	< 0.005	—	24.1
Dust From Material Movement	—	—	—	—	—	—	0.04	0.04	—	0.02	0.02	—	—	—	—	—	—	—
Onsite truck	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	0.04	0.04	< 0.005	< 0.005	< 0.005	0.04
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.08	0.07	0.07	0.76	0.00	0.00	0.15	0.15	0.00	0.03	0.03	—	160	160	0.01	0.01	0.02	162
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.02	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	4.42	4.42	< 0.005	< 0.005	0.01	4.48
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.73	0.73	< 0.005	< 0.005	< 0.005	0.74
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.5. Grading (2024) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	4.19	3.52	34.3	30.2	0.06	1.45	—	1.45	1.33	—	1.33	—	6,598	6,598	0.27	0.05	—	6,621
Dust From Material Movement	—	—	—	—	—	—	9.20	9.20	—	3.65	3.65	—	—	—	—	—	—	—
Onsite truck	< 0.005	< 0.005	0.02	0.01	< 0.005	< 0.005	1.29	1.29	< 0.005	0.13	0.13	—	8.91	8.91	< 0.005	< 0.005	0.02	9.37
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	4.19	3.52	34.3	30.2	0.06	1.45	—	1.45	1.33	—	1.33	—	6,598	6,598	0.27	0.05	—	6,621
Dust From Material Movement	—	—	—	—	—	—	9.20	9.20	—	3.65	3.65	—	—	—	—	—	—	—
Onsite truck	< 0.005	< 0.005	0.02	0.01	< 0.005	< 0.005	1.29	1.29	< 0.005	0.13	0.13	—	8.94	8.94	< 0.005	< 0.005	< 0.005	9.38
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.23	0.19	1.88	1.65	< 0.005	0.08	—	0.08	0.07	—	0.07	—	362	362	0.01	< 0.005	—	363

Dust From Material Movement	—	—	—	—	—	—	0.50	0.50	—	0.20	0.20	—	—	—	—	—	—	—
Onsite truck	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0.07	0.07	< 0.005	0.01	0.01	—	0.49	0.49	< 0.005	< 0.005	< 0.005	0.51
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.04	0.04	0.34	0.30	< 0.005	0.01	—	0.01	0.01	—	0.01	—	59.9	59.9	< 0.005	< 0.005	—	60.1
Dust From Material Movement	—	—	—	—	—	—	0.09	0.09	—	0.04	0.04	—	—	—	—	—	—	—
Onsite truck	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	0.08	0.08	< 0.005	< 0.005	< 0.005	0.09
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.09	0.08	0.07	0.99	0.00	0.00	0.17	0.17	0.00	0.04	0.04	—	194	194	0.01	0.01	0.78	197
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.09	0.08	0.07	0.87	0.00	0.00	0.17	0.17	0.00	0.04	0.04	—	183	183	0.01	0.01	0.02	185
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.05	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	10.1	10.1	< 0.005	< 0.005	0.02	10.2
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	1.67	1.67	< 0.005	< 0.005	< 0.005	1.70
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.6. Grading (2024) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	4.19	3.52	34.3	30.2	0.06	1.45	—	1.45	1.33	—	1.33	—	6,598	6,598	0.27	0.05	—	6,621
Dust From Material Movement	—	—	—	—	—	—	3.59	3.59	—	1.42	1.42	—	—	—	—	—	—	—
Onsite truck	< 0.005	< 0.005	0.02	0.01	< 0.005	< 0.005	1.29	1.29	< 0.005	0.13	0.13	—	8.91	8.91	< 0.005	< 0.005	0.02	9.37
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	4.19	3.52	34.3	30.2	0.06	1.45	—	1.45	1.33	—	1.33	—	6,598	6,598	0.27	0.05	—	6,621
Dust From Material Movement	—	—	—	—	—	—	3.59	3.59	—	1.42	1.42	—	—	—	—	—	—	—
Onsite truck	< 0.005	< 0.005	0.02	0.01	< 0.005	< 0.005	1.29	1.29	< 0.005	0.13	0.13	—	8.94	8.94	< 0.005	< 0.005	< 0.005	9.38
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	0.23	0.19	1.88	1.65	< 0.005	0.08	—	0.08	0.07	—	0.07	—	362	362	0.01	< 0.005	—	363
Dust From Material Movement	—	—	—	—	—	—	0.20	0.20	—	0.08	0.08	—	—	—	—	—	—	—
Onsite truck	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0.07	0.07	< 0.005	0.01	0.01	—	0.49	0.49	< 0.005	< 0.005	< 0.005	0.51
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.04	0.04	0.34	0.30	< 0.005	0.01	—	0.01	0.01	—	0.01	—	59.9	59.9	< 0.005	< 0.005	—	60.1
Dust From Material Movement	—	—	—	—	—	—	0.04	0.04	—	0.01	0.01	—	—	—	—	—	—	—
Onsite truck	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	0.08	0.08	< 0.005	< 0.005	< 0.005	0.09
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.09	0.08	0.07	0.99	0.00	0.00	0.17	0.17	0.00	0.04	0.04	—	194	194	0.01	0.01	0.78	197
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.09	0.08	0.07	0.87	0.00	0.00	0.17	0.17	0.00	0.04	0.04	—	183	183	0.01	0.01	0.02	185
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.05	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	10.1	10.1	< 0.005	< 0.005	0.02	10.2

Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	1.67	1.67	< 0.005	< 0.005	< 0.005	1.70
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.7. Building Construction (2024) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.44	1.20	11.2	13.1	0.02	0.50	—	0.50	0.46	—	0.46	—	2,398	2,398	0.10	0.02	—	2,406
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.44	1.20	11.2	13.1	0.02	0.50	—	0.50	0.46	—	0.46	—	2,398	2,398	0.10	0.02	—	2,406
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.72	0.60	5.64	6.60	0.01	0.25	—	0.25	0.23	—	0.23	—	1,206	1,206	0.05	0.01	—	1,210
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.13	0.11	1.03	1.20	< 0.005	0.05	—	0.05	0.04	—	0.04	—	200	200	0.01	< 0.005	—	200
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.42	0.39	0.31	4.55	0.00	0.00	0.78	0.78	0.00	0.18	0.18	—	890	890	0.04	0.03	3.58	904
Vendor	0.05	0.02	0.77	0.36	< 0.005	0.01	0.14	0.15	0.01	0.04	0.05	—	560	560	0.02	0.08	1.44	586
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.42	0.38	0.34	3.98	0.00	0.00	0.78	0.78	0.00	0.18	0.18	—	840	840	0.04	0.03	0.09	851
Vendor	0.05	0.02	0.80	0.37	< 0.005	0.01	0.14	0.15	0.01	0.04	0.05	—	561	561	0.02	0.08	0.04	585
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.21	0.19	0.17	2.03	0.00	0.00	0.39	0.39	0.00	0.09	0.09	—	426	426	0.02	0.02	0.77	433
Vendor	0.02	0.01	0.40	0.18	< 0.005	< 0.005	0.07	0.07	< 0.005	0.02	0.02	—	282	282	0.01	0.04	0.31	294
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.03	0.03	0.37	0.00	0.00	0.07	0.07	0.00	0.02	0.02	—	70.6	70.6	< 0.005	< 0.005	0.13	71.6
Vendor	< 0.005	< 0.005	0.07	0.03	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	46.7	46.7	< 0.005	0.01	0.05	48.7
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.8. Building Construction (2024) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.44	1.20	11.2	13.1	0.02	0.50	—	0.50	0.46	—	0.46	—	2,398	2,398	0.10	0.02	—	2,406
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.44	1.20	11.2	13.1	0.02	0.50	—	0.50	0.46	—	0.46	—	2,398	2,398	0.10	0.02	—	2,406
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.72	0.60	5.64	6.60	0.01	0.25	—	0.25	0.23	—	0.23	—	1,206	1,206	0.05	0.01	—	1,210
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.13	0.11	1.03	1.20	< 0.005	0.05	—	0.05	0.04	—	0.04	—	200	200	0.01	< 0.005	—	200
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.42	0.39	0.31	4.55	0.00	0.00	0.78	0.78	0.00	0.18	0.18	—	890	890	0.04	0.03	3.58	904
Vendor	0.05	0.02	0.77	0.36	< 0.005	0.01	0.14	0.15	0.01	0.04	0.05	—	560	560	0.02	0.08	1.44	586

Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.42	0.38	0.34	3.98	0.00	0.00	0.78	0.78	0.00	0.18	0.18	—	840	840	0.04	0.03	0.09	851
Vendor	0.05	0.02	0.80	0.37	< 0.005	0.01	0.14	0.15	0.01	0.04	0.05	—	561	561	0.02	0.08	0.04	585
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.21	0.19	0.17	2.03	0.00	0.00	0.39	0.39	0.00	0.09	0.09	—	426	426	0.02	0.02	0.77	433
Vendor	0.02	0.01	0.40	0.18	< 0.005	< 0.005	0.07	0.07	< 0.005	0.02	0.02	—	282	282	0.01	0.04	0.31	294
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.03	0.03	0.37	0.00	0.00	0.07	0.07	0.00	0.02	0.02	—	70.6	70.6	< 0.005	< 0.005	0.13	71.6
Vendor	< 0.005	< 0.005	0.07	0.03	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	46.7	46.7	< 0.005	0.01	0.05	48.7
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.9. Building Construction (2025) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.35	1.13	10.4	13.0	0.02	0.43	—	0.43	0.40	—	0.40	—	2,398	2,398	0.10	0.02	—	2,406

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.17	0.15	1.35	1.68	< 0.005	0.06	—	0.06	0.05	—	0.05	—	310	310	0.01	< 0.005	—	311
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.03	0.03	0.25	0.31	< 0.005	0.01	—	0.01	0.01	—	0.01	—	51.3	51.3	< 0.005	< 0.005	—	51.4
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.40	0.36	0.31	3.73	0.00	0.00	0.78	0.78	0.00	0.18	0.18	—	824	824	0.04	0.03	0.09	835
Vendor	0.05	0.02	0.76	0.35	< 0.005	0.01	0.14	0.15	0.01	0.04	0.05	—	551	551	0.02	0.08	0.04	575
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05	0.05	0.04	0.49	0.00	0.00	0.10	0.10	0.00	0.02	0.02	—	107	107	0.01	< 0.005	0.18	109
Vendor	0.01	< 0.005	0.10	0.04	< 0.005	< 0.005	0.02	0.02	< 0.005	0.01	0.01	—	71.1	71.1	< 0.005	0.01	0.08	74.3
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.09	0.00	0.00	0.02	0.02	0.00	< 0.005	< 0.005	—	17.8	17.8	< 0.005	< 0.005	0.03	18.0
Vendor	< 0.005	< 0.005	0.02	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	11.8	11.8	< 0.005	< 0.005	0.01	12.3
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.10. Building Construction (2025) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.35	1.13	10.4	13.0	0.02	0.43	—	0.43	0.40	—	0.40	—	2,398	2,398	0.10	0.02	—	2,406
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.17	0.15	1.35	1.68	< 0.005	0.06	—	0.06	0.05	—	0.05	—	310	310	0.01	< 0.005	—	311
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.03	0.03	0.25	0.31	< 0.005	0.01	—	0.01	0.01	—	0.01	—	51.3	51.3	< 0.005	< 0.005	—	51.4
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	0.40	0.36	0.31	3.73	0.00	0.00	0.78	0.78	0.00	0.18	0.18	—	824	824	0.04	0.03	0.09	835
Vendor	0.05	0.02	0.76	0.35	< 0.005	0.01	0.14	0.15	0.01	0.04	0.05	—	551	551	0.02	0.08	0.04	575
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05	0.05	0.04	0.49	0.00	0.00	0.10	0.10	0.00	0.02	0.02	—	107	107	0.01	< 0.005	0.18	109
Vendor	0.01	< 0.005	0.10	0.04	< 0.005	< 0.005	0.02	0.02	< 0.005	0.01	0.01	—	71.1	71.1	< 0.005	0.01	0.08	74.3
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.09	0.00	0.00	0.02	0.02	0.00	< 0.005	< 0.005	—	17.8	17.8	< 0.005	< 0.005	0.03	18.0
Vendor	< 0.005	< 0.005	0.02	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	11.8	11.8	< 0.005	< 0.005	0.01	12.3
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.11. Paving (2025) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.95	0.80	7.45	9.98	0.01	0.35	—	0.35	0.32	—	0.32	—	1,511	1,511	0.06	0.01	—	1,517
Paving	—	0.72	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.95	0.80	7.45	9.98	0.01	0.35	—	0.35	0.32	—	0.32	—	1,511	1,511	0.06	0.01	—	1,517

Paving	—	0.72	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.05	0.04	0.41	0.55	< 0.005	0.02	—	0.02	0.02	—	0.02	—	82.8	82.8	< 0.005	< 0.005	—	83.1
Paving	—	0.04	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.07	0.10	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	13.7	13.7	< 0.005	< 0.005	—	13.8
Paving	—	0.01	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07	0.06	0.05	0.74	0.00	0.00	0.14	0.14	0.00	0.03	0.03	—	152	152	0.01	0.01	0.57	154
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07	0.06	0.05	0.65	0.00	0.00	0.14	0.14	0.00	0.03	0.03	—	143	143	0.01	0.01	0.01	145
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.04	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	7.92	7.92	< 0.005	< 0.005	0.01	8.04

Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	1.31	1.31	< 0.005	< 0.005	< 0.005	1.33
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.12. Paving (2025) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.95	0.80	7.45	9.98	0.01	0.35	—	0.35	0.32	—	0.32	—	1,511	1,511	0.06	0.01	—	1,517
Paving	—	0.72	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.95	0.80	7.45	9.98	0.01	0.35	—	0.35	0.32	—	0.32	—	1,511	1,511	0.06	0.01	—	1,517
Paving	—	0.72	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.05	0.04	0.41	0.55	< 0.005	0.02	—	0.02	0.02	—	0.02	—	82.8	82.8	< 0.005	< 0.005	—	83.1

Paving	—	0.04	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.07	0.10	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	13.7	13.7	< 0.005	< 0.005	—	13.8
Paving	—	0.01	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07	0.06	0.05	0.74	0.00	0.00	0.14	0.14	0.00	0.03	0.03	—	152	152	0.01	0.01	0.57	154
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07	0.06	0.05	0.65	0.00	0.00	0.14	0.14	0.00	0.03	0.03	—	143	143	0.01	0.01	0.01	145
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.04	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	7.92	7.92	< 0.005	< 0.005	0.01	8.04
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	1.31	1.31	< 0.005	< 0.005	< 0.005	1.33
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.13. Architectural Coating (2025) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.15	0.13	0.88	1.14	< 0.005	0.03	—	0.03	0.03	—	0.03	—	134	134	0.01	< 0.005	—	134
Architectural Coatings	—	70.3	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.05	0.06	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	7.32	7.32	< 0.005	< 0.005	—	7.34
Architectural Coatings	—	3.85	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	1.21	1.21	< 0.005	< 0.005	—	1.22

Architectural Coatings	—	0.70	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.09	0.08	0.06	0.93	0.00	0.00	0.17	0.17	0.00	0.04	0.04	—	190	190	0.01	0.01	0.71	193
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.05	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	9.91	9.91	< 0.005	< 0.005	0.02	10.1
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	1.64	1.64	< 0.005	< 0.005	< 0.005	1.66
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.14. Architectural Coating (2025) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.15	0.13	0.88	1.14	< 0.005	0.03	—	0.03	0.03	—	0.03	—	134	134	0.01	< 0.005	—	134
Architectural Coatings	—	70.3	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.05	0.06	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	7.32	7.32	< 0.005	< 0.005	—	7.34
Architectural Coatings	—	3.85	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	1.21	1.21	< 0.005	< 0.005	—	1.22
Architectural Coatings	—	0.70	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.09	0.08	0.06	0.93	0.00	0.00	0.17	0.17	0.00	0.04	0.04	—	190	190	0.01	0.01	0.71	193

Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.05	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	9.91	9.91	< 0.005	< 0.005	0.02	10.1
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	1.64	1.64	< 0.005	< 0.005	< 0.005	1.66
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

4. Operations Emissions Details

4.1. Mobile Emissions by Land Use

4.1.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Condo/Townhouse	2.12	1.98	1.12	11.3	0.03	0.02	0.84	0.86	0.02	0.15	0.17	—	2,556	2,556	0.14	0.11	8.47	2,601

Regional Shopping Center	6.02	5.69	2.74	27.2	0.06	0.05	1.83	1.88	0.04	0.32	0.37	—	5,648	5,648	0.37	0.27	18.5	5,754
General Office Building	0.38	0.35	0.24	2.47	0.01	< 0.005	0.20	0.20	< 0.005	0.04	0.04	—	597	597	0.03	0.02	2.00	607
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Other Non-Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Total	8.52	8.02	4.10	41.0	0.09	0.07	2.87	2.94	0.07	0.51	0.57	—	8,801	8,801	0.54	0.40	28.9	8,962
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Condo/Townhouse	2.08	1.94	1.23	11.1	0.02	0.02	0.84	0.86	0.02	0.15	0.17	—	2,445	2,445	0.15	0.12	0.22	2,483
Regional Shopping Center	5.89	5.55	3.01	27.3	0.05	0.05	1.83	1.88	0.04	0.32	0.37	—	5,406	5,406	0.41	0.28	0.48	5,501
General Office Building	0.37	0.34	0.26	2.34	0.01	< 0.005	0.20	0.20	< 0.005	0.04	0.04	—	571	571	0.03	0.02	0.05	579
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Other Non-Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Total	8.34	7.82	4.51	40.7	0.08	0.07	2.87	2.94	0.07	0.51	0.57	—	8,421	8,421	0.59	0.42	0.75	8,563

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Condo/Townhouse	0.37	0.35	0.22	2.00	< 0.005	< 0.005	0.15	0.16	< 0.005	0.03	0.03	—	408	408	0.02	0.02	0.61	414
Regional Shopping Center	1.05	0.99	0.52	4.68	0.01	0.01	0.31	0.32	0.01	0.05	0.06	—	837	837	0.06	0.04	1.22	853
General Office Building	0.07	0.06	0.05	0.43	< 0.005	< 0.005	0.04	0.04	< 0.005	0.01	0.01	—	95.2	95.2	< 0.005	< 0.005	0.14	96.6
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Other Non-Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Total	1.49	1.40	0.78	7.11	0.01	0.01	0.50	0.51	0.01	0.09	0.10	—	1,339	1,339	0.09	0.07	1.97	1,364

4.1.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Condo/Townhouse	2.12	1.98	1.12	11.3	0.03	0.02	0.84	0.86	0.02	0.15	0.17	—	2,556	2,556	0.14	0.11	8.47	2,601
Regional Shopping Center	6.02	5.69	2.74	27.2	0.06	0.05	1.83	1.88	0.04	0.32	0.37	—	5,648	5,648	0.37	0.27	18.5	5,754

General Office Building	0.38	0.35	0.24	2.47	0.01	< 0.005	0.20	0.20	< 0.005	0.04	0.04	—	597	597	0.03	0.02	2.00	607
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Other Non-Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Total	8.52	8.02	4.10	41.0	0.09	0.07	2.87	2.94	0.07	0.51	0.57	—	8,801	8,801	0.54	0.40	28.9	8,962
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Condo/Townhouse	2.08	1.94	1.23	11.1	0.02	0.02	0.84	0.86	0.02	0.15	0.17	—	2,445	2,445	0.15	0.12	0.22	2,483
Regional Shopping Center	5.89	5.55	3.01	27.3	0.05	0.05	1.83	1.88	0.04	0.32	0.37	—	5,406	5,406	0.41	0.28	0.48	5,501
General Office Building	0.37	0.34	0.26	2.34	0.01	< 0.005	0.20	0.20	< 0.005	0.04	0.04	—	571	571	0.03	0.02	0.05	579
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Other Non-Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Total	8.34	7.82	4.51	40.7	0.08	0.07	2.87	2.94	0.07	0.51	0.57	—	8,421	8,421	0.59	0.42	0.75	8,563
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Condo/Townhous	0.37	0.35	0.22	2.00	< 0.005	< 0.005	0.15	0.16	< 0.005	0.03	0.03	—	408	408	0.02	0.02	0.61	414
Regional Shopping Center	1.05	0.99	0.52	4.68	0.01	0.01	0.31	0.32	0.01	0.05	0.06	—	837	837	0.06	0.04	1.22	853
General Office Building	0.07	0.06	0.05	0.43	< 0.005	< 0.005	0.04	0.04	< 0.005	0.01	0.01	—	95.2	95.2	< 0.005	< 0.005	0.14	96.6
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Other Non-Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Total	1.49	1.40	0.78	7.11	0.01	0.01	0.50	0.51	0.01	0.09	0.10	—	1,339	1,339	0.09	0.07	1.97	1,364

4.2. Energy

4.2.1. Electricity Emissions By Land Use - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Condo/Townhouse	—	—	—	—	—	—	—	—	—	—	—	—	55.6	55.6	0.04	< 0.005	—	58.1
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	—	53.7	53.7	0.04	< 0.005	—	56.1

General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	15.7	15.7	0.01	< 0.005	—	16.4
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	16.5	16.5	0.01	< 0.005	—	17.2
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	141	141	0.10	0.01	—	148
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Condo/Townhouse	—	—	—	—	—	—	—	—	—	—	—	—	55.6	55.6	0.04	< 0.005	—	58.1
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	—	53.7	53.7	0.04	< 0.005	—	56.1
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	15.7	15.7	0.01	< 0.005	—	16.4
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	16.5	16.5	0.01	< 0.005	—	17.2
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	141	141	0.10	0.01	—	148
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Condo/Townhous	—	—	—	—	—	—	—	—	—	—	—	—	9.21	9.21	0.01	< 0.005	—	9.62
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	—	8.88	8.88	0.01	< 0.005	—	9.28
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	2.60	2.60	< 0.005	< 0.005	—	2.72
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	2.73	2.73	< 0.005	< 0.005	—	2.85
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	23.4	23.4	0.02	< 0.005	—	24.5

4.2.2. Electricity Emissions By Land Use - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Condo/Townhouse	—	—	—	—	—	—	—	—	—	—	—	—	< 0.005	< 0.005	< 0.005	< 0.005	—	< 0.005
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	—	53.7	53.7	0.04	< 0.005	—	56.1
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	15.7	15.7	0.01	< 0.005	—	16.4

Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	16.5	16.5	0.01	< 0.005	—	17.2
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	85.9	85.9	0.06	0.01	—	89.7
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Condo/Townhouse	—	—	—	—	—	—	—	—	—	—	—	—	< 0.005	< 0.005	< 0.005	< 0.005	—	< 0.005
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	—	53.7	53.7	0.04	< 0.005	—	56.1
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	15.7	15.7	0.01	< 0.005	—	16.4
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	16.5	16.5	0.01	< 0.005	—	17.2
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	85.9	85.9	0.06	0.01	—	89.7
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Condo/Townhouse	—	—	—	—	—	—	—	—	—	—	—	—	< 0.005	< 0.005	< 0.005	< 0.005	—	< 0.005

Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	—	8.88	8.88	0.01	< 0.005	—	9.28
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	2.60	2.60	< 0.005	< 0.005	—	2.72
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	2.73	2.73	< 0.005	< 0.005	—	2.85
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	14.2	14.2	0.01	< 0.005	—	14.9

4.2.3. Natural Gas Emissions By Land Use - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Condo/Townhouse	0.07	0.03	0.57	0.24	< 0.005	0.05	—	0.05	0.05	—	0.05	—	718	718	0.06	< 0.005	—	720
Regional Shopping Center	0.01	< 0.005	0.06	0.05	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	68.3	68.3	0.01	< 0.005	—	68.5
General Office Building	0.01	< 0.005	0.07	0.06	< 0.005	0.01	—	0.01	0.01	—	0.01	—	78.6	78.6	0.01	< 0.005	—	78.8
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00

Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Total	0.08	0.04	0.69	0.34	< 0.005	0.06	—	0.06	0.06	—	0.06	—	865	865	0.08	< 0.005	—	868
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Condo/Townhouse	0.07	0.03	0.57	0.24	< 0.005	0.05	—	0.05	0.05	—	0.05	—	718	718	0.06	< 0.005	—	720
Regional Shopping Center	0.01	< 0.005	0.06	0.05	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	68.3	68.3	0.01	< 0.005	—	68.5
General Office Building	0.01	< 0.005	0.07	0.06	< 0.005	0.01	—	0.01	0.01	—	0.01	—	78.6	78.6	0.01	< 0.005	—	78.8
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Total	0.08	0.04	0.69	0.34	< 0.005	0.06	—	0.06	0.06	—	0.06	—	865	865	0.08	< 0.005	—	868
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Condo/Townhouse	0.01	0.01	0.10	0.04	< 0.005	0.01	—	0.01	0.01	—	0.01	—	119	119	0.01	< 0.005	—	119
Regional Shopping Center	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	11.3	11.3	< 0.005	< 0.005	—	11.3

General Office Building	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	13.0	13.0	< 0.005	< 0.005	—	13.0
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Total	0.01	0.01	0.13	0.06	< 0.005	0.01	—	0.01	0.01	—	0.01	—	143	143	0.01	< 0.005	—	144

4.2.4. Natural Gas Emissions By Land Use - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Condo/Townhouse	0.07	0.03	0.57	0.24	< 0.005	0.05	—	0.05	0.05	—	0.05	—	718	718	0.06	< 0.005	—	720
Regional Shopping Center	0.01	< 0.005	0.06	0.05	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	68.3	68.3	0.01	< 0.005	—	68.5
General Office Building	0.01	< 0.005	0.07	0.06	< 0.005	0.01	—	0.01	0.01	—	0.01	—	78.6	78.6	0.01	< 0.005	—	78.8
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00

Other Non-Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Total	0.08	0.04	0.69	0.34	< 0.005	0.06	—	0.06	0.06	—	0.06	—	865	865	0.08	< 0.005	—	868
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Condo/Townhouse	0.07	0.03	0.57	0.24	< 0.005	0.05	—	0.05	0.05	—	0.05	—	718	718	0.06	< 0.005	—	720
Regional Shopping Center	0.01	< 0.005	0.06	0.05	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	68.3	68.3	0.01	< 0.005	—	68.5
General Office Building	0.01	< 0.005	0.07	0.06	< 0.005	0.01	—	0.01	0.01	—	0.01	—	78.6	78.6	0.01	< 0.005	—	78.8
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Total	0.08	0.04	0.69	0.34	< 0.005	0.06	—	0.06	0.06	—	0.06	—	865	865	0.08	< 0.005	—	868
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Condo/Townhouse	0.01	0.01	0.10	0.04	< 0.005	0.01	—	0.01	0.01	—	0.01	—	119	119	0.01	< 0.005	—	119
Regional Shopping Center	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	11.3	11.3	< 0.005	< 0.005	—	11.3
General Office Building	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	13.0	13.0	< 0.005	< 0.005	—	13.0

Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Total	0.01	0.01	0.13	0.06	< 0.005	0.01	—	0.01	0.01	—	0.01	—	143	143	0.01	< 0.005	—	144

4.3. Area Emissions by Source

4.3.2. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Source	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	0.20	0.10	1.69	0.72	0.01	0.14	—	0.14	0.14	—	0.14	0.00	2,148	2,148	0.04	< 0.005	—	2,150
Consumer Products	—	4.86	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	—	0.39	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	1.02	0.95	0.08	8.66	< 0.005	0.01	—	0.01	0.01	—	0.01	—	26.7	26.7	< 0.005	< 0.005	—	26.8
Total	1.22	6.30	1.77	9.38	0.01	0.14	—	0.14	0.14	—	0.14	0.00	2,174	2,174	0.04	< 0.005	—	2,177
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Hearths	0.20	0.10	1.69	0.72	0.01	0.14	—	0.14	0.14	—	0.14	0.00	2,148	2,148	0.04	< 0.005	—	2,150
Consumer Products	—	4.86	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	—	0.39	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	0.20	5.35	1.69	0.72	0.01	0.14	—	0.14	0.14	—	0.14	0.00	2,148	2,148	0.04	< 0.005	—	2,150
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	0.01	< 0.005	0.07	0.03	< 0.005	0.01	—	0.01	0.01	—	0.01	0.00	79.9	79.9	< 0.005	< 0.005	—	80.0
Consumer Products	—	0.89	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	—	0.07	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	0.09	0.09	0.01	0.78	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	2.18	2.18	< 0.005	< 0.005	—	2.19
Total	0.10	1.05	0.08	0.81	< 0.005	0.01	—	0.01	0.01	—	0.01	0.00	82.1	82.1	< 0.005	< 0.005	—	82.2

4.3.1. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Source	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	0.20	0.10	1.69	0.72	0.01	0.14	—	0.14	0.14	—	0.14	0.00	2,148	2,148	0.04	< 0.005	—	2,150
Consumer Products	—	4.86	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Architectural	—	0.39	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	1.02	0.95	0.08	8.66	< 0.005	0.01	—	0.01	0.01	—	0.01	—	26.7	26.7	< 0.005	< 0.005	—	26.8
Total	1.22	6.30	1.77	9.38	0.01	0.14	—	0.14	0.14	—	0.14	0.00	2,174	2,174	0.04	< 0.005	—	2,177
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	0.20	0.10	1.69	0.72	0.01	0.14	—	0.14	0.14	—	0.14	0.00	2,148	2,148	0.04	< 0.005	—	2,150
Consumer Products	—	4.86	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	—	0.39	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	0.20	5.35	1.69	0.72	0.01	0.14	—	0.14	0.14	—	0.14	0.00	2,148	2,148	0.04	< 0.005	—	2,150
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	0.01	< 0.005	0.07	0.03	< 0.005	0.01	—	0.01	0.01	—	0.01	0.00	79.9	79.9	< 0.005	< 0.005	—	80.0
Consumer Products	—	0.89	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	—	0.07	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	0.09	0.09	0.01	0.78	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	2.18	2.18	< 0.005	< 0.005	—	2.19
Total	0.10	1.05	0.08	0.81	< 0.005	0.01	—	0.01	0.01	—	0.01	0.00	82.1	82.1	< 0.005	< 0.005	—	82.2

4.4. Water Emissions by Land Use

4.4.2. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Condo/Townhouse	—	—	—	—	—	—	—	—	—	—	—	7.34	4.07	11.4	0.76	0.02	—	35.7
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	6.99	3.17	10.2	0.72	0.02	—	33.3
General Office Building	—	—	—	—	—	—	—	—	—	—	—	2.61	1.15	3.76	0.27	0.01	—	12.4
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	16.9	8.39	25.3	1.74	0.04	—	81.4
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Condo/Townhouse	—	—	—	—	—	—	—	—	—	—	—	7.34	4.07	11.4	0.76	0.02	—	35.7
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	6.99	3.17	10.2	0.72	0.02	—	33.3

General Office Building	—	—	—	—	—	—	—	—	—	—	—	2.61	1.15	3.76	0.27	0.01	—	12.4
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	16.9	8.39	25.3	1.74	0.04	—	81.4
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Condo/Townhouse	—	—	—	—	—	—	—	—	—	—	—	1.21	0.67	1.89	0.13	< 0.005	—	5.91
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	1.16	0.52	1.68	0.12	< 0.005	—	5.51
General Office Building	—	—	—	—	—	—	—	—	—	—	—	0.43	0.19	0.62	0.04	< 0.005	—	2.05
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	2.80	1.39	4.19	0.29	0.01	—	13.5

4.4.1. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Condo/Townhouse	—	—	—	—	—	—	—	—	—	—	—	7.34	4.07	11.4	0.76	0.02	—	35.7
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	6.99	3.17	10.2	0.72	0.02	—	33.3
General Office Building	—	—	—	—	—	—	—	—	—	—	—	2.61	1.15	3.76	0.27	0.01	—	12.4
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	16.9	8.39	25.3	1.74	0.04	—	81.4
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Condo/Townhouse	—	—	—	—	—	—	—	—	—	—	—	7.34	4.07	11.4	0.76	0.02	—	35.7
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	6.99	3.17	10.2	0.72	0.02	—	33.3
General Office Building	—	—	—	—	—	—	—	—	—	—	—	2.61	1.15	3.76	0.27	0.01	—	12.4

Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	16.9	8.39	25.3	1.74	0.04	—	81.4
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Condo/Townhouse	—	—	—	—	—	—	—	—	—	—	—	1.21	0.67	1.89	0.13	< 0.005	—	5.91
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	1.16	0.52	1.68	0.12	< 0.005	—	5.51
General Office Building	—	—	—	—	—	—	—	—	—	—	—	0.43	0.19	0.62	0.04	< 0.005	—	2.05
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	2.80	1.39	4.19	0.29	0.01	—	13.5

4.5. Waste Emissions by Land Use

4.5.2. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Condo/Townhouse	—	—	—	—	—	—	—	—	—	—	—	43.4	0.00	43.4	4.34	0.00	—	152
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	27.9	0.00	27.9	2.79	0.00	—	97.5
General Office Building	—	—	—	—	—	—	—	—	—	—	—	3.84	0.00	3.84	0.38	0.00	—	13.4
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	75.1	0.00	75.1	7.51	0.00	—	263
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Condo/Townhouse	—	—	—	—	—	—	—	—	—	—	—	43.4	0.00	43.4	4.34	0.00	—	152
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	27.9	0.00	27.9	2.79	0.00	—	97.5
General Office Building	—	—	—	—	—	—	—	—	—	—	—	3.84	0.00	3.84	0.38	0.00	—	13.4

Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	75.1	0.00	75.1	7.51	0.00	—	263
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Condo/Townhouse	—	—	—	—	—	—	—	—	—	—	—	7.19	0.00	7.19	0.72	0.00	—	25.2
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	4.62	0.00	4.62	0.46	0.00	—	16.1
General Office Building	—	—	—	—	—	—	—	—	—	—	—	0.64	0.00	0.64	0.06	0.00	—	2.22
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	12.4	0.00	12.4	1.24	0.00	—	43.5

4.5.1. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Condo/Townhouse	—	—	—	—	—	—	—	—	—	—	—	21.7	0.00	21.7	2.17	0.00	—	76.0
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	13.9	0.00	13.9	1.39	0.00	—	48.8
General Office Building	—	—	—	—	—	—	—	—	—	—	—	1.92	0.00	1.92	0.19	0.00	—	6.71
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	37.6	0.00	37.6	3.76	0.00	—	131
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Condo/Townhouse	—	—	—	—	—	—	—	—	—	—	—	21.7	0.00	21.7	2.17	0.00	—	76.0
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	13.9	0.00	13.9	1.39	0.00	—	48.8
General Office Building	—	—	—	—	—	—	—	—	—	—	—	1.92	0.00	1.92	0.19	0.00	—	6.71
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00

Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	37.6	0.00	37.6	3.76	0.00	—	131
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Condo/Townhouse	—	—	—	—	—	—	—	—	—	—	—	3.59	0.00	3.59	0.36	0.00	—	12.6
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	2.31	0.00	2.31	0.23	0.00	—	8.07
General Office Building	—	—	—	—	—	—	—	—	—	—	—	0.32	0.00	0.32	0.03	0.00	—	1.11
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	6.22	0.00	6.22	0.62	0.00	—	21.8

4.6. Refrigerant Emissions by Land Use

4.6.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Condo/Townhouse	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.21	1.21
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.24	0.24
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.02	0.02
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.47	1.47
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Condo/Townhouse	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.21	1.21
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.24	0.24
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.02	0.02
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.47	1.47
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Condo/Townhouse	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.20	0.20
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.04	0.04
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	< 0.005	< 0.005

Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.24	0.24

4.6.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Condo/Townhouse	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.21	1.21
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.24	0.24
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.02	0.02
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.47	1.47
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Condo/Townhouse	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.21	1.21
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.24	0.24
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.02	0.02
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.47	1.47
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Condo/Townhous	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.20	0.20
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.04	0.04
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	< 0.005	< 0.005
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.24	0.24

4.7. Offroad Emissions By Equipment Type

4.7.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.7.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.8. Stationary Emissions By Equipment Type

4.8.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.8.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.9. User Defined Emissions By Equipment Type

4.9.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.9.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Vegetation	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.2. Above and Belowground Carbon Accumulation by Land Use Type - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Species	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Sequest	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.4. Soil Carbon Accumulation By Vegetation Type - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Vegetation	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.5. Above and Belowground Carbon Accumulation by Land Use Type - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.6. Avoided and Sequestered Emissions by Species - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Species	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Remove	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

5. Activity Data

5.1. Construction Schedule

Phase Name	Phase Type	Start Date	End Date	Days Per Week	Work Days per Phase	Phase Description
Demolition	Demolition	2/6/2024	3/5/2024	5.00	20.0	Pavement removal
Site Preparation	Site Preparation	3/6/2024	3/20/2024	5.00	10.0	Site Prep
Grading	Grading	3/21/2024	4/18/2024	5.00	20.0	Grading
Building Construction	Building Construction	4/19/2024	3/7/2025	5.00	230	Bldg Construction
Paving	Paving	3/8/2025	4/5/2025	5.00	20.0	Paving
Architectural Coating	Architectural Coating	4/6/2025	5/4/2025	5.00	20.0	Painting

5.2. Off-Road Equipment

5.2.1. Unmitigated

Phase Name	Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
Demolition	Rubber Tired Dozers	Diesel	Average	2.00	8.00	367	0.40
Demolition	Excavators	Diesel	Average	2.00	8.00	36.0	0.38
Demolition	Concrete/Industrial Saws	Diesel	Average	1.00	8.00	33.0	0.73
Site Preparation	Rubber Tired Dozers	Diesel	Average	3.00	8.00	367	0.40
Site Preparation	Tractors/Loaders/Backhoes	Diesel	Average	4.00	8.00	84.0	0.37
Grading	Graders	Diesel	Average	1.00	8.00	148	0.41

Grading	Excavators	Diesel	Average	2.00	8.00	36.0	0.38
Grading	Tractors/Loaders/Backhoes	Diesel	Average	2.00	8.00	84.0	0.37
Grading	Rubber Tired Dozers	Diesel	Average	1.00	8.00	367	0.40
Building Construction	Forklifts	Diesel	Average	3.00	8.00	82.0	0.20
Building Construction	Generator Sets	Diesel	Average	1.00	8.00	14.0	0.74
Building Construction	Cranes	Diesel	Average	1.00	7.00	367	0.29
Building Construction	Welders	Diesel	Average	1.00	8.00	46.0	0.45
Building Construction	Tractors/Loaders/Backhoes	Diesel	Average	3.00	7.00	84.0	0.37
Paving	Pavers	Diesel	Average	2.00	8.00	81.0	0.42
Paving	Paving Equipment	Diesel	Average	2.00	8.00	89.0	0.36
Paving	Rollers	Diesel	Average	2.00	8.00	36.0	0.38
Architectural Coating	Air Compressors	Diesel	Average	1.00	6.00	37.0	0.48
Grading	Scrapers	Diesel	Average	2.00	8.00	423	0.48

5.2.2. Mitigated

Phase Name	Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
Demolition	Rubber Tired Dozers	Diesel	Average	2.00	8.00	367	0.40
Demolition	Excavators	Diesel	Average	2.00	8.00	36.0	0.38
Demolition	Concrete/Industrial Saws	Diesel	Average	1.00	8.00	33.0	0.73
Site Preparation	Rubber Tired Dozers	Diesel	Average	3.00	8.00	367	0.40
Site Preparation	Tractors/Loaders/Backhoes	Diesel	Average	4.00	8.00	84.0	0.37
Grading	Graders	Diesel	Average	1.00	8.00	148	0.41
Grading	Excavators	Diesel	Average	2.00	8.00	36.0	0.38
Grading	Tractors/Loaders/Backhoes	Diesel	Average	2.00	8.00	84.0	0.37

Grading	Rubber Tired Dozers	Diesel	Average	1.00	8.00	367	0.40
Building Construction	Forklifts	Diesel	Average	3.00	8.00	82.0	0.20
Building Construction	Generator Sets	Diesel	Average	1.00	8.00	14.0	0.74
Building Construction	Cranes	Diesel	Average	1.00	7.00	367	0.29
Building Construction	Welders	Diesel	Average	1.00	8.00	46.0	0.45
Building Construction	Tractors/Loaders/Backhoes	Diesel	Average	3.00	7.00	84.0	0.37
Paving	Pavers	Diesel	Average	2.00	8.00	81.0	0.42
Paving	Paving Equipment	Diesel	Average	2.00	8.00	89.0	0.36
Paving	Rollers	Diesel	Average	2.00	8.00	36.0	0.38
Architectural Coating	Air Compressors	Diesel	Average	1.00	6.00	37.0	0.48
Grading	Scrapers	Diesel	Average	2.00	8.00	423	0.48

5.3. Construction Vehicles

5.3.1. Unmitigated

Phase Name	Trip Type	One-Way Trips per Day	Miles per Trip	Vehicle Mix
Demolition	—	—	—	—
Demolition	Worker	14.0	12.0	LDA,LDT1,LDT2
Demolition	Vendor	0.00	7.63	HHDT,MHDT
Demolition	Hauling	64.0	20.0	HHDT
Demolition	Onsite truck	1.00	2.00	HHDT
Site Preparation	—	—	—	—
Site Preparation	Worker	17.5	12.0	LDA,LDT1,LDT2
Site Preparation	Vendor	0.00	7.63	HHDT,MHDT
Site Preparation	Hauling	0.00	20.0	HHDT
Site Preparation	Onsite truck	1.00	2.00	HHDT
Grading	—	—	—	—

Grading	Worker	20.0	12.0	LDA,LDT1,LDT2
Grading	Vendor	0.00	7.63	HHDT,MHDT
Grading	Hauling	0.00	20.0	HHDT
Grading	Onsite truck	1.00	2.00	HHDT
Building Construction	—	—	—	—
Building Construction	Worker	92.0	12.0	LDA,LDT1,LDT2
Building Construction	Vendor	22.0	7.63	HHDT,MHDT
Building Construction	Hauling	0.00	20.0	HHDT
Building Construction	Onsite truck	0.00	0.00	HHDT
Paving	—	—	—	—
Paving	Worker	16.0	12.0	LDA,LDT1,LDT2
Paving	Vendor	0.00	7.63	HHDT,MHDT
Paving	Hauling	0.00	20.0	HHDT
Paving	Onsite truck	0.00	—	HHDT
Architectural Coating	—	—	—	—
Architectural Coating	Worker	20.0	12.0	LDA,LDT1,LDT2
Architectural Coating	Vendor	0.00	7.63	HHDT,MHDT
Architectural Coating	Hauling	0.00	20.0	HHDT
Architectural Coating	Onsite truck	0.00	—	HHDT

5.3.2. Mitigated

Phase Name	Trip Type	One-Way Trips per Day	Miles per Trip	Vehicle Mix
Demolition	—	—	—	—
Demolition	Worker	14.0	12.0	LDA,LDT1,LDT2
Demolition	Vendor	0.00	7.63	HHDT,MHDT
Demolition	Hauling	64.0	20.0	HHDT
Demolition	Onsite truck	1.00	2.00	HHDT

Site Preparation	—	—	—	—
Site Preparation	Worker	17.5	12.0	LDA,LDT1,LDT2
Site Preparation	Vendor	0.00	7.63	HHDT,MHDT
Site Preparation	Hauling	0.00	20.0	HHDT
Site Preparation	Onsite truck	1.00	2.00	HHDT
Grading	—	—	—	—
Grading	Worker	20.0	12.0	LDA,LDT1,LDT2
Grading	Vendor	0.00	7.63	HHDT,MHDT
Grading	Hauling	0.00	20.0	HHDT
Grading	Onsite truck	1.00	2.00	HHDT
Building Construction	—	—	—	—
Building Construction	Worker	92.0	12.0	LDA,LDT1,LDT2
Building Construction	Vendor	22.0	7.63	HHDT,MHDT
Building Construction	Hauling	0.00	20.0	HHDT
Building Construction	Onsite truck	0.00	0.00	HHDT
Paving	—	—	—	—
Paving	Worker	16.0	12.0	LDA,LDT1,LDT2
Paving	Vendor	0.00	7.63	HHDT,MHDT
Paving	Hauling	0.00	20.0	HHDT
Paving	Onsite truck	0.00	—	HHDT
Architectural Coating	—	—	—	—
Architectural Coating	Worker	20.0	12.0	LDA,LDT1,LDT2
Architectural Coating	Vendor	0.00	7.63	HHDT,MHDT
Architectural Coating	Hauling	0.00	20.0	HHDT
Architectural Coating	Onsite truck	0.00	—	HHDT

5.4. Vehicles

5.4.1. Construction Vehicle Control Strategies

Control Strategies Applied	PM10 Reduction	PM2.5 Reduction
Water unpaved roads twice daily	55%	55%

5.5. Architectural Coatings

Phase Name	Residential Interior Area Coated (sq ft)	Residential Exterior Area Coated (sq ft)	Non-Residential Interior Area Coated (sq ft)	Non-Residential Exterior Area Coated (sq ft)	Parking Area Coated (sq ft)
Architectural Coating	342,796	114,265	85,386	28,462	17,825

5.6. Dust Mitigation

5.6.1. Construction Earthmoving Activities

Phase Name	Material Imported (Cubic Yards)	Material Exported (Cubic Yards)	Acres Graded (acres)	Material Demolished (Ton of Debris)	Acres Paved (acres)
Demolition	0.00	0.00	0.00	5,104	—
Site Preparation	0.00	0.00	15.0	0.00	—
Grading	0.00	0.00	20.0	0.00	—
Paving	0.00	0.00	0.00	0.00	6.82

5.6.2. Construction Earthmoving Control Strategies

Non-applicable. No control strategies activated by user.

5.7. Construction Paving

Land Use	Area Paved (acres)	% Asphalt
Condo/Townhouse	—	0%
Regional Shopping Center	0.00	0%
General Office Building	0.00	0%

Parking Lot	3.50	100%
Other Asphalt Surfaces	2.00	100%
Other Non-Asphalt Surfaces	1.32	0%

5.8. Construction Electricity Consumption and Emissions Factors

kWh per Year and Emission Factor (lb/MWh)

Year	kWh per Year	CO2	CH4	N2O
2024	0.00	540	0.03	< 0.005
2025	0.00	540	0.03	< 0.005

5.9. Operational Mobile Sources

5.9.1. Unmitigated

Land Use Type	Trips/Weekday	Trips/Saturday	Trips/Sunday	Trips/Year	VMT/Weekday	VMT/Saturday	VMT/Sunday	VMT/Year
Condo/Townhouse	536	536	536	195,742	3,053	3,053	3,053	1,114,322
Regional Shopping Center	1,616	1,616	1,616	589,992	5,953	6,654	6,654	2,245,905
General Office Building	88.6	88.6	88.6	32,323	721	721	721	263,147
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other Non-Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

5.9.2. Mitigated

Land Use Type	Trips/Weekday	Trips/Saturday	Trips/Sunday	Trips/Year	VMT/Weekday	VMT/Saturday	VMT/Sunday	VMT/Year
Condo/Townhouse	536	536	536	195,742	3,053	3,053	3,053	1,114,322

Regional Shopping Center	1,616	1,616	1,616	589,992	5,953	6,654	6,654	2,245,905
General Office Building	88.6	88.6	88.6	32,323	721	721	721	263,147
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other Non-Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

5.10. Operational Area Sources

5.10.1. Hearths

5.10.1.1. Unmitigated

Hearth Type	Unmitigated (number)
Condo/Townhouse	—
Wood Fireplaces	0
Gas Fireplaces	102
Propane Fireplaces	0
Electric Fireplaces	0
No Fireplaces	7
Conventional Wood Stoves	0
Catalytic Wood Stoves	0
Non-Catalytic Wood Stoves	0
Pellet Wood Stoves	0

5.10.1.2. Mitigated

Hearth Type	Unmitigated (number)

Condo/Townhouse	—
Wood Fireplaces	0
Gas Fireplaces	102
Propane Fireplaces	0
Electric Fireplaces	0
No Fireplaces	7
Conventional Wood Stoves	0
Catalytic Wood Stoves	0
Non-Catalytic Wood Stoves	0
Pellet Wood Stoves	0

5.10.2. Architectural Coatings

Residential Interior Area Coated (sq ft)	Residential Exterior Area Coated (sq ft)	Non-Residential Interior Area Coated (sq ft)	Non-Residential Exterior Area Coated (sq ft)	Parking Area Coated (sq ft)
342796.05	114,265	85,386	28,462	17,825

5.10.3. Landscape Equipment

Season	Unit	Value
Snow Days	day/yr	0.00
Summer Days	day/yr	180

5.10.4. Landscape Equipment - Mitigated

Season	Unit	Value
Snow Days	day/yr	0.00
Summer Days	day/yr	180

5.11. Operational Energy Consumption

5.11.1. Unmitigated

Electricity (kWh/yr) and CO2 and CH4 and N2O and Natural Gas (kBTU/yr)

Land Use	Electricity (kWh/yr)	CO2	CH4	N2O	Natural Gas (kBTU/yr)
Condo/Townhouse	450,100	45.1	0.0330	0.0040	2,241,556
Regional Shopping Center	434,258	45.1	0.0330	0.0040	213,194
General Office Building	127,081	45.1	0.0330	0.0040	245,232
Parking Lot	133,555	45.1	0.0330	0.0040	0.00
Other Asphalt Surfaces	0.00	45.1	0.0330	0.0040	0.00
Other Non-Asphalt Surfaces	0.00	45.1	0.0330	0.0040	0.00

5.11.2. Mitigated

Electricity (kWh/yr) and CO2 and CH4 and N2O and Natural Gas (kBTU/yr)

Land Use	Electricity (kWh/yr)	CO2	CH4	N2O	Natural Gas (kBTU/yr)
Condo/Townhouse	< 0.005	45.1	0.0330	0.0040	2,241,556
Regional Shopping Center	434,258	45.1	0.0330	0.0040	213,194
General Office Building	127,081	45.1	0.0330	0.0040	245,232
Parking Lot	133,555	45.1	0.0330	0.0040	0.00
Other Asphalt Surfaces	0.00	45.1	0.0330	0.0040	0.00
Other Non-Asphalt Surfaces	0.00	45.1	0.0330	0.0040	0.00

5.12. Operational Water and Wastewater Consumption

5.12.1. Unmitigated

Land Use	Indoor Water (gal/year)	Outdoor Water (gal/year)
Condo/Townhouse	3,829,505	1,289,661

Regional Shopping Center	3,649,257	149,442
General Office Building	1,361,085	14,944
Parking Lot	0.00	0.00
Other Asphalt Surfaces	0.00	0.00
Other Non-Asphalt Surfaces	0.00	0.00

5.12.2. Mitigated

Land Use	Indoor Water (gal/year)	Outdoor Water (gal/year)
Condo/Townhouse	3,829,505	1,289,661
Regional Shopping Center	3,649,257	149,442
General Office Building	1,361,085	14,944
Parking Lot	0.00	0.00
Other Asphalt Surfaces	0.00	0.00
Other Non-Asphalt Surfaces	0.00	0.00

5.13. Operational Waste Generation

5.13.1. Unmitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)
Condo/Townhouse	28.9	0.00
Regional Shopping Center	51.7	0.00
General Office Building	7.12	0.00
Parking Lot	0.00	0.00
Other Asphalt Surfaces	0.00	0.00
Other Non-Asphalt Surfaces	0.00	0.00

5.13.2. Mitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)
Condo/Townhouse	14.4	0.00
Regional Shopping Center	25.9	0.00
General Office Building	3.56	0.00
Parking Lot	0.00	0.00
Other Asphalt Surfaces	0.00	0.00
Other Non-Asphalt Surfaces	0.00	0.00

5.14. Operational Refrigeration and Air Conditioning Equipment

5.14.1. Unmitigated

Land Use Type	Equipment Type	Refrigerant	GWP	Quantity (kg)	Operations Leak Rate	Service Leak Rate	Times Serviced
Condo/Townhouse	Average room A/C & Other residential A/C and heat pumps	R-410A	2,088	< 0.005	2.50	2.50	10.0
Condo/Townhouse	Household refrigerators and/or freezers	R-134a	1,430	0.12	0.60	0.00	1.00
Regional Shopping Center	Other commercial A/C and heat pumps	R-410A	2,088	< 0.005	4.00	4.00	18.0
Regional Shopping Center	Stand-alone retail refrigerators and freezers	R-134a	1,430	0.04	1.00	0.00	1.00
General Office Building	Household refrigerators and/or freezers	R-134a	1,430	0.02	0.60	0.00	1.00
General Office Building	Other commercial A/C and heat pumps	R-410A	2,088	< 0.005	4.00	4.00	18.0

5.14.2. Mitigated

Land Use Type	Equipment Type	Refrigerant	GWP	Quantity (kg)	Operations Leak Rate	Service Leak Rate	Times Serviced

Condo/Townhouse	Average room A/C & Other residential A/C and heat pumps	R-410A	2,088	< 0.005	2.50	2.50	10.0
Condo/Townhouse	Household refrigerators and/or freezers	R-134a	1,430	0.12	0.60	0.00	1.00
Regional Shopping Center	Other commercial A/C and heat pumps	R-410A	2,088	< 0.005	4.00	4.00	18.0
Regional Shopping Center	Stand-alone retail refrigerators and freezers	R-134a	1,430	0.04	1.00	0.00	1.00
General Office Building	Household refrigerators and/or freezers	R-134a	1,430	0.02	0.60	0.00	1.00
General Office Building	Other commercial A/C and heat pumps	R-410A	2,088	< 0.005	4.00	4.00	18.0

5.15. Operational Off-Road Equipment

5.15.1. Unmitigated

Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor

5.15.2. Mitigated

Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor

5.16. Stationary Sources

5.16.1. Emergency Generators and Fire Pumps

Equipment Type	Fuel Type	Number per Day	Hours per Day	Hours per Year	Horsepower	Load Factor

5.16.2. Process Boilers

Equipment Type	Fuel Type	Number	Boiler Rating (MMBtu/hr)	Daily Heat Input (MMBtu/day)	Annual Heat Input (MMBtu/yr)

5.17. User Defined

Equipment Type	Fuel Type
—	—

5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

Vegetation Land Use Type	Vegetation Soil Type	Initial Acres	Final Acres

5.18.1.2. Mitigated

Vegetation Land Use Type	Vegetation Soil Type	Initial Acres	Final Acres

5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

Biomass Cover Type	Initial Acres	Final Acres

5.18.1.2. Mitigated

Biomass Cover Type	Initial Acres	Final Acres

5.18.2. Sequestration

5.18.2.1. Unmitigated

Tree Type	Number	Electricity Saved (kWh/year)	Natural Gas Saved (btu/year)

5.18.2.2. Mitigated

Tree Type	Number	Electricity Saved (kWh/year)	Natural Gas Saved (btu/year)

6. Climate Risk Detailed Report

6.1. Climate Risk Summary

Cal-Adapt midcentury 2040–2059 average projections for four hazards are reported below for your project location. These are under Representation Concentration Pathway (RCP) 8.5 which assumes GHG emissions will continue to rise strongly through 2050 and then plateau around 2100.

Climate Hazard	Result for Project Location	Unit
Temperature and Extreme Heat	14.7	annual days of extreme heat
Extreme Precipitation	5.15	annual days with precipitation above 20 mm
Sea Level Rise	0.00	meters of inundation depth
Wildfire	10.5	annual hectares burned

Temperature and Extreme Heat data are for grid cell in which your project are located. The projection is based on the 98th historical percentile of daily maximum/minimum temperatures from observed historical data (32 climate model ensemble from Cal-Adapt, 2040–2059 average under RCP 8.5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.
Extreme Precipitation data are for the grid cell in which your project are located. The threshold of 20 mm is equivalent to about ¾ an inch of rain, which would be light to moderate rainfall if received over a full day or heavy rain if received over a period of 2 to 4 hours. Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.
Sea Level Rise data are for the grid cell in which your project are located. The projections are from Radke et al. (2017), as reported in Cal-Adapt (2040–2059 average under RCP 8.5), and consider different increments of sea level rise coupled with extreme storm events. Users may select from four model simulations to view the range in potential inundation depth for the grid cell. The four simulations make different assumptions about expected rainfall and temperature are: Warmer/drier (HadGEM2-ES), Cooler/wetter (CNRM-CM5), Average conditions (CanESM2), Range of different rainfall and temperature possibilities (MIROC5). Each grid cell is 50 meters (m) by 50 m, or about 164 feet (ft) by 164 ft.
Wildfire data are for the grid cell in which your project are located. The projections are from UC Davis, as reported in Cal-Adapt (2040–2059 average under RCP 8.5), and consider historical data of climate, vegetation, population density, and large (> 400 ha) fire history. Users may select from four model simulations to view the range in potential wildfire probabilities for the grid cell. The four simulations make different assumptions about expected rainfall and temperature are: Warmer/drier (HadGEM2-ES), Cooler/wetter (CNRM-CM5), Average conditions (CanESM2), Range of different rainfall and temperature possibilities (MIROC5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.

6.2. Initial Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score

Temperature and Extreme Heat	N/A	N/A	N/A	N/A
Extreme Precipitation	N/A	N/A	N/A	N/A
Sea Level Rise	1	0	0	N/A
Wildfire	1	0	0	N/A
Flooding	0	0	0	N/A
Drought	N/A	N/A	N/A	N/A
Snowpack Reduction	N/A	N/A	N/A	N/A
Air Quality Degradation	N/A	N/A	N/A	N/A

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.
The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.
The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores do not include implementation of climate risk reduction measures.

6.3. Adjusted Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score
Temperature and Extreme Heat	N/A	N/A	N/A	N/A
Extreme Precipitation	N/A	N/A	N/A	N/A
Sea Level Rise	1	1	1	2
Wildfire	1	1	1	2
Flooding	1	1	1	2
Drought	N/A	N/A	N/A	N/A
Snowpack Reduction	N/A	N/A	N/A	N/A
Air Quality Degradation	N/A	N/A	N/A	N/A

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.
The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.
The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores include implementation of climate risk reduction measures.

6.4. Climate Risk Reduction Measures

7. Health and Equity Details

7.1. CalEnviroScreen 4.0 Scores

The maximum CalEnviroScreen score is 100. A high score (i.e., greater than 50) reflects a higher pollution burden compared to other census tracts in the state.

Indicator	Result for Project Census Tract
Exposure Indicators	—
AQ-Ozone	42.6
AQ-PM	28.1
AQ-DPM	76.8
Drinking Water	24.2
Lead Risk Housing	39.5
Pesticides	35.7
Toxic Releases	27.8
Traffic	61.5
Effect Indicators	—
CleanUp Sites	78.6
Groundwater	67.5
Haz Waste Facilities/Generators	82.7
Impaired Water Bodies	43.8
Solid Waste	96.6
Sensitive Population	—
Asthma	3.22
Cardio-vascular	14.1
Low Birth Weights	40.5
Socioeconomic Factor Indicators	—

Education	78.3
Housing	82.8
Linguistic	77.9
Poverty	78.2
Unemployment	36.4

7.2. Healthy Places Index Scores

The maximum Health Places Index score is 100. A high score (i.e., greater than 50) reflects healthier community conditions compared to other census tracts in the state.

Indicator	Result for Project Census Tract
Economic	—
Above Poverty	14.57718465
Employed	17.95200821
Median HI	15.05196972
Education	—
Bachelor's or higher	34.96727833
High school enrollment	100
Preschool enrollment	1.873476197
Transportation	—
Auto Access	7.878865649
Active commuting	68.52303349
Social	—
2-parent households	81.04709355
Voting	41.66559733
Neighborhood	—
Alcohol availability	17.16925446
Park access	56.96137559
Retail density	84.51174131

Supermarket access	77.74926216
Tree canopy	38.40626203
Housing	—
Homeownership	8.623123316
Housing habitability	19.36353137
Low-inc homeowner severe housing cost burden	79.81521879
Low-inc renter severe housing cost burden	64.18580778
Uncrowded housing	31.19466188
Health Outcomes	—
Insured adults	5.902733222
Arthritis	9.2
Asthma ER Admissions	99.1
High Blood Pressure	21.8
Cancer (excluding skin)	21.2
Asthma	30.0
Coronary Heart Disease	3.1
Chronic Obstructive Pulmonary Disease	5.5
Diagnosed Diabetes	18.3
Life Expectancy at Birth	13.9
Cognitively Disabled	11.9
Physically Disabled	7.5
Heart Attack ER Admissions	99.6
Mental Health Not Good	25.4
Chronic Kidney Disease	2.7
Obesity	34.9
Pedestrian Injuries	81.7
Physical Health Not Good	17.6

Stroke	5.6
Health Risk Behaviors	—
Binge Drinking	68.3
Current Smoker	35.6
No Leisure Time for Physical Activity	16.4
Climate Change Exposures	—
Wildfire Risk	0.0
SLR Inundation Area	0.0
Children	16.3
Elderly	23.2
English Speaking	15.1
Foreign-born	80.3
Outdoor Workers	11.8
Climate Change Adaptive Capacity	—
Impervious Surface Cover	47.4
Traffic Density	77.2
Traffic Access	23.0
Other Indices	—
Hardship	72.9
Other Decision Support	—
2016 Voting	49.7

7.3. Overall Health & Equity Scores

Metric	Result for Project Census Tract
CalEnviroScreen 4.0 Score for Project Location (a)	59.0
Healthy Places Index Score for Project Location (b)	15.0
Project Located in a Designated Disadvantaged Community (Senate Bill 535)	No

Project Located in a Low-Income Community (Assembly Bill 1550)	Yes
Project Located in a Community Air Protection Program Community (Assembly Bill 617)	No

a: The maximum CalEnviroScreen score is 100. A high score (i.e., greater than 50) reflects a higher pollution burden compared to other census tracts in the state.
b: The maximum Health Places Index score is 100. A high score (i.e., greater than 50) reflects healthier community conditions compared to other census tracts in the state.

7.4. Health & Equity Measures

No Health & Equity Measures selected.

7.5. Evaluation Scorecard

Health & Equity Evaluation Scorecard not completed.

7.6. Health & Equity Custom Measures

No Health & Equity Custom Measures created.

8. User Changes to Default Data

Screen	Justification
Land Use	Project Description
Construction: Construction Phases	Estimated schedule
Construction: Off-Road Equipment	Estimated Equipment
Construction: Dust From Material Movement	Soil balanced on-site
Construction: Trips and VMT	Even numbered trips
Operations: Vehicle Data	Based on TIA
Operations: Hearths	No wood burning devices

San Marcos Existing GP - Commercial - Mixed Use Regional Retail-Office Detailed Report

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8. User Changes to Default Data

1. Basic Project Information

1.1. Basic Project Information

Data Field	Value
Project Name	San Marcos Existing GP - Commercial - Mixed Use Regional Retail-Office
Lead Agency	—
Land Use Scale	Project/site
Analysis Level for Defaults	County
Windspeed (m/s)	2.20
Precipitation (days)	9.80
Location	33.14024187811373, -117.1857424538883
County	San Diego
City	San Marcos
Air District	San Diego County APCD
Air Basin	San Diego
TAZ	6271
EDFZ	12
Electric Utility	San Diego Gas & Electric
Gas Utility	San Diego Gas & Electric

1.2. Land Use Types

Land Use Subtype	Size	Unit	Lot Acreage	Building Area (sq ft)	Landscape Area (sq ft)	Special Landscape Area (sq ft)	Population	Description
Regional Shopping Center	129	1000sqft	3.00	129,000	2.00	0.00	—	—
Parking Lot	1.00	Acre	1.00	0.00	0.00	0.00	—	—

General Office Building	40.0	1000sqft	1.00	40,000	0.25	0.00	—	—

1.3. User-Selected Emission Reduction Measures by Emissions Sector

No measures selected

2. Emissions Summary

2.4. Operations Emissions Compared Against Thresholds

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Un/Mit.	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—
Unmit.	125	24,275	24,400	14.3	1.18	77.4	25,187
Daily, Winter (Max)	—	—	—	—	—	—	—
Unmit.	125	23,238	23,363	14.4	1.25	2.71	24,099
Average Daily (Max)	—	—	—	—	—	—	—
Unmit.	125	17,469	17,594	14.0	0.96	25.0	18,255
Annual (Max)	—	—	—	—	—	—	—
Unmit.	20.7	2,892	2,913	2.32	0.16	4.14	3,022

2.5. Operations Emissions by Sector, Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Sector	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—
Mobile	—	23,414	23,414	1.49	1.08	76.7	23,850
Area	—	30.2	30.2	< 0.005	< 0.005	—	31.1
Energy	—	817	817	0.22	0.02	—	828
Water	31.9	14.0	46.0	3.28	0.08	—	152

Waste	93.0	0.00	93.0	9.30	0.00	—	326
Refrig.	—	—	—	—	—	0.72	0.72
Total	125	24,275	24,400	14.3	1.18	77.4	25,187
Daily, Winter (Max)	—	—	—	—	—	—	—
Mobile	—	22,407	22,407	1.63	1.15	1.99	22,792
Area	—	—	—	—	—	—	—
Energy	—	817	817	0.22	0.02	—	828
Water	31.9	14.0	46.0	3.28	0.08	—	152
Waste	93.0	0.00	93.0	9.30	0.00	—	326
Refrig.	—	—	—	—	—	0.72	0.72
Total	125	23,238	23,363	14.4	1.25	2.71	24,099
Average Daily	—	—	—	—	—	—	—
Mobile	—	16,623	16,623	1.22	0.86	24.3	16,934
Area	—	14.9	14.9	< 0.005	< 0.005	—	15.3
Energy	—	817	817	0.22	0.02	—	828
Water	31.9	14.0	46.0	3.28	0.08	—	152
Waste	93.0	0.00	93.0	9.30	0.00	—	326
Refrig.	—	—	—	—	—	0.72	0.72
Total	125	17,469	17,594	14.0	0.96	25.0	18,255
Annual	—	—	—	—	—	—	—
Mobile	—	2,752	2,752	0.20	0.14	4.03	2,804
Area	—	2.47	2.47	< 0.005	< 0.005	—	2.54
Energy	—	135	135	0.04	< 0.005	—	137
Water	5.29	2.32	7.61	0.54	0.01	—	25.1
Waste	15.4	0.00	15.4	1.54	0.00	—	53.9
Refrig.	—	—	—	—	—	0.12	0.12
Total	20.7	2,892	2,913	2.32	0.16	4.14	3,022

4. Operations Emissions Details

4.1. Mobile Emissions by Land Use

4.1.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—
Regional Shopping Center	—	20,787	20,787	1.36	0.98	67.9	21,180
Parking Lot	—	0.00	0.00	0.00	0.00	0.00	0.00
General Office Building	—	2,627	2,627	0.13	0.10	8.79	2,670
Total	—	23,414	23,414	1.49	1.08	76.7	23,850
Daily, Winter (Max)	—	—	—	—	—	—	—
Regional Shopping Center	—	19,896	19,896	1.50	1.04	1.76	20,246
Parking Lot	—	0.00	0.00	0.00	0.00	0.00	0.00
General Office Building	—	2,511	2,511	0.13	0.11	0.23	2,547
Total	—	22,407	22,407	1.63	1.15	1.99	22,792
Annual	—	—	—	—	—	—	—
Regional Shopping Center	—	2,435	2,435	0.19	0.13	3.55	2,482
Parking Lot	—	0.00	0.00	0.00	0.00	0.00	0.00
General Office Building	—	317	317	0.02	0.01	0.48	322
Total	—	2,752	2,752	0.20	0.14	4.03	2,804

4.2. Energy

4.2.1. Electricity Emissions By Land Use - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—
Regional Shopping Center	—	140	140	0.10	0.01	—	147
Parking Lot	—	4.71	4.71	< 0.005	< 0.005	—	4.93
General Office Building	—	82.0	82.0	0.06	0.01	—	85.7
Total	—	227	227	0.17	0.02	—	237
Daily, Winter (Max)	—	—	—	—	—	—	—
Regional Shopping Center	—	140	140	0.10	0.01	—	147
Parking Lot	—	4.71	4.71	< 0.005	< 0.005	—	4.93
General Office Building	—	82.0	82.0	0.06	0.01	—	85.7
Total	—	227	227	0.17	0.02	—	237
Annual	—	—	—	—	—	—	—
Regional Shopping Center	—	23.3	23.3	0.02	< 0.005	—	24.3
Parking Lot	—	0.78	0.78	< 0.005	< 0.005	—	0.82
General Office Building	—	13.6	13.6	0.01	< 0.005	—	14.2
Total	—	37.6	37.6	0.03	< 0.005	—	39.3

4.2.3. Natural Gas Emissions By Land Use - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—
Regional Shopping Center	—	179	179	0.02	< 0.005	—	179

Parking Lot	—	0.00	0.00	0.00	0.00	—	0.00
General Office Building	—	411	411	0.04	< 0.005	—	412
Total	—	589	589	0.05	< 0.005	—	591
Daily, Winter (Max)	—	—	—	—	—	—	—
Regional Shopping Center	—	179	179	0.02	< 0.005	—	179
Parking Lot	—	0.00	0.00	0.00	0.00	—	0.00
General Office Building	—	411	411	0.04	< 0.005	—	412
Total	—	589	589	0.05	< 0.005	—	591
Annual	—	—	—	—	—	—	—
Regional Shopping Center	—	29.6	29.6	< 0.005	< 0.005	—	29.7
Parking Lot	—	0.00	0.00	0.00	0.00	—	0.00
General Office Building	—	68.0	68.0	0.01	< 0.005	—	68.2
Total	—	97.6	97.6	0.01	< 0.005	—	97.9

4.3. Area Emissions by Source

4.3.2. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Source	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—
Consumer Products	—	—	—	—	—	—	—
Architectural Coatings	—	—	—	—	—	—	—
Landscape Equipment	—	30.2	30.2	< 0.005	< 0.005	—	31.1
Total	—	30.2	30.2	< 0.005	< 0.005	—	31.1
Daily, Winter (Max)	—	—	—	—	—	—	—
Consumer Products	—	—	—	—	—	—	—

Architectural Coatings	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—
Consumer Products	—	—	—	—	—	—	—
Architectural Coatings	—	—	—	—	—	—	—
Landscape Equipment	—	2.47	2.47	< 0.005	< 0.005	—	2.54
Total	—	2.47	2.47	< 0.005	< 0.005	—	2.54

4.4. Water Emissions by Land Use

4.4.2. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—
Regional Shopping Center	18.3	8.04	26.3	1.88	0.05	—	86.9
Parking Lot	0.00	0.00	0.00	0.00	0.00	—	0.00
General Office Building	13.6	5.98	19.6	1.40	0.03	—	64.7
Total	31.9	14.0	46.0	3.28	0.08	—	152
Daily, Winter (Max)	—	—	—	—	—	—	—
Regional Shopping Center	18.3	8.04	26.3	1.88	0.05	—	86.9
Parking Lot	0.00	0.00	0.00	0.00	0.00	—	0.00
General Office Building	13.6	5.98	19.6	1.40	0.03	—	64.7
Total	31.9	14.0	46.0	3.28	0.08	—	152
Annual	—	—	—	—	—	—	—
Regional Shopping Center	3.03	1.33	4.36	0.31	0.01	—	14.4
Parking Lot	0.00	0.00	0.00	0.00	0.00	—	0.00

General Office Building	2.26	0.99	3.25	0.23	0.01	—	10.7
Total	5.29	2.32	7.61	0.54	0.01	—	25.1

4.5. Waste Emissions by Land Use

4.5.2. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—
Regional Shopping Center	73.0	0.00	73.0	7.30	0.00	—	255
Parking Lot	0.00	0.00	0.00	0.00	0.00	—	0.00
General Office Building	20.0	0.00	20.0	2.00	0.00	—	70.1
Total	93.0	0.00	93.0	9.30	0.00	—	326
Daily, Winter (Max)	—	—	—	—	—	—	—
Regional Shopping Center	73.0	0.00	73.0	7.30	0.00	—	255
Parking Lot	0.00	0.00	0.00	0.00	0.00	—	0.00
General Office Building	20.0	0.00	20.0	2.00	0.00	—	70.1
Total	93.0	0.00	93.0	9.30	0.00	—	326
Annual	—	—	—	—	—	—	—
Regional Shopping Center	12.1	0.00	12.1	1.21	0.00	—	42.3
Parking Lot	0.00	0.00	0.00	0.00	0.00	—	0.00
General Office Building	3.32	0.00	3.32	0.33	0.00	—	11.6
Total	15.4	0.00	15.4	1.54	0.00	—	53.9

4.6. Refrigerant Emissions by Land Use

4.6.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—
Regional Shopping Center	—	—	—	—	—	0.62	0.62
General Office Building	—	—	—	—	—	0.10	0.10
Total	—	—	—	—	—	0.72	0.72
Daily, Winter (Max)	—	—	—	—	—	—	—
Regional Shopping Center	—	—	—	—	—	0.62	0.62
General Office Building	—	—	—	—	—	0.10	0.10
Total	—	—	—	—	—	0.72	0.72
Annual	—	—	—	—	—	—	—
Regional Shopping Center	—	—	—	—	—	0.10	0.10
General Office Building	—	—	—	—	—	0.02	0.02
Total	—	—	—	—	—	0.12	0.12

4.7. Offroad Emissions By Equipment Type

4.7.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—

Annual	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—

4.8. Stationary Emissions By Equipment Type

4.8.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—

4.9. User Defined Emissions By Equipment Type

4.9.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Vegetation	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—

4.10.2. Above and Belowground Carbon Accumulation by Land Use Type - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Species	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—

Subtotal	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—

5. Activity Data

5.9. Operational Mobile Sources

5.9.1. Unmitigated

Land Use Type	Trips/Weekday	Trips/Saturday	Trips/Sunday	Trips/Year	VMT/Weekday	VMT/Saturday	VMT/Sunday	VMT/Year
Regional Shopping Center	4,870	5,949	2,722	1,721,764	17,934	24,492	11,205	6,536,923
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
General Office Building	390	88.4	28.0	107,644	3,172	720	228	876,338

5.10. Operational Area Sources

5.10.1. Hearths

5.10.1.1. Unmitigated

5.10.2. Architectural Coatings

Residential Interior Area Coated (sq ft)	Residential Exterior Area Coated (sq ft)	Non-Residential Interior Area Coated (sq ft)	Non-Residential Exterior Area Coated (sq ft)	Parking Area Coated (sq ft)
0	0.00	253,500	84,500	2,614

5.10.3. Landscape Equipment

Season	Unit	Value
Snow Days	day/yr	0.00
Summer Days	day/yr	180

5.11. Operational Energy Consumption

5.11.1. Unmitigated

Electricity (kWh/yr) and CO2 and CH4 and N2O and Natural Gas (kBTU/yr)

Land Use	Electricity (kWh/yr)	CO2	CH4	N2O	Natural Gas (kBTU/yr)
Regional Shopping Center	1,137,078	45.1	0.0330	0.0040	558,237
Parking Lot	38,159	45.1	0.0330	0.0040	0.00
General Office Building	663,783	45.1	0.0330	0.0040	1,280,921

5.12. Operational Water and Wastewater Consumption

5.12.1. Unmitigated

Land Use	Indoor Water (gal/year)	Outdoor Water (gal/year)
Regional Shopping Center	9,555,355	29.9
Parking Lot	0.00	0.00
General Office Building	7,109,350	3.74

5.13. Operational Waste Generation

5.13.1. Unmitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)
Regional Shopping Center	135	0.00
Parking Lot	0.00	0.00
General Office Building	37.2	0.00

5.14. Operational Refrigeration and Air Conditioning Equipment

5.14.1. Unmitigated

Land Use Type	Equipment Type	Refrigerant	GWP	Quantity (kg)	Operations Leak Rate	Service Leak Rate	Times Serviced
Regional Shopping Center	Other commercial A/C and heat pumps	R-410A	2,088	< 0.005	4.00	4.00	18.0

Regional Shopping Center	Stand-alone retail refrigerators and freezers	R-134a	1,430	0.04	1.00	0.00	1.00
General Office Building	Household refrigerators and/or freezers	R-134a	1,430	0.02	0.60	0.00	1.00
General Office Building	Other commercial A/C and heat pumps	R-410A	2,088	< 0.005	4.00	4.00	18.0

5.15. Operational Off-Road Equipment

5.15.1. Unmitigated

Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor

5.16. Stationary Sources

5.16.1. Emergency Generators and Fire Pumps

Equipment Type	Fuel Type	Number per Day	Hours per Day	Hours per Year	Horsepower	Load Factor

5.16.2. Process Boilers

Equipment Type	Fuel Type	Number	Boiler Rating (MMBtu/hr)	Daily Heat Input (MMBtu/day)	Annual Heat Input (MMBtu/yr)

5.17. User Defined

Equipment Type	Fuel Type
—	—

5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

Vegetation Land Use Type	Vegetation Soil Type	Initial Acres	Final Acres

5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

Biomass Cover Type	Initial Acres	Final Acres

5.18.2. Sequestration

5.18.2.1. Unmitigated

Tree Type	Number	Electricity Saved (kWh/year)	Natural Gas Saved (btu/year)

6. Climate Risk Detailed Report

6.1. Climate Risk Summary

Cal-Adapt midcentury 2040–2059 average projections for four hazards are reported below for your project location. These are under Representation Concentration Pathway (RCP) 8.5 which assumes GHG emissions will continue to rise strongly through 2050 and then plateau around 2100.

Climate Hazard	Result for Project Location	Unit
Temperature and Extreme Heat	14.7	annual days of extreme heat
Extreme Precipitation	5.15	annual days with precipitation above 20 mm
Sea Level Rise	0.00	meters of inundation depth
Wildfire	10.5	annual hectares burned

Temperature and Extreme Heat data are for grid cell in which your project are located. The projection is based on the 98th historical percentile of daily maximum/minimum temperatures from observed historical data (32 climate model ensemble from Cal-Adapt, 2040–2059 average under RCP 8.5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.
Extreme Precipitation data are for the grid cell in which your project are located. The threshold of 20 mm is equivalent to about ¾ an inch of rain, which would be light to moderate rainfall if received over a full day or heavy rain if received over a period of 2 to 4 hours. Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.

Sea Level Rise data are for the grid cell in which your project are located. The projections are from Radke et al. (2017), as reported in Cal-Adapt (2040–2059 average under RCP 8.5), and consider different increments of sea level rise coupled with extreme storm events. Users may select from four model simulations to view the range in potential inundation depth for the grid cell. The four simulations make different assumptions about expected rainfall and temperature are: Warmer/drier (HadGEM2-ES), Cooler/wetter (CNRM-CM5), Average conditions (CanESM2), Range of different rainfall and temperature possibilities (MIROC5). Each grid cell is 50 meters (m) by 50 m, or about 164 feet (ft) by 164 ft.
Wildfire data are for the grid cell in which your project are located. The projections are from UC Davis, as reported in Cal-Adapt (2040–2059 average under RCP 8.5), and consider historical data of climate, vegetation, population density, and large (> 400 ha) fire history. Users may select from four model simulations to view the range in potential wildfire probabilities for the grid cell. The four simulations make different assumptions about expected rainfall and temperature are: Warmer/drier (HadGEM2-ES), Cooler/wetter (CNRM-CM5), Average conditions (CanESM2), Range of different rainfall and temperature possibilities (MIROC5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.

6.2. Initial Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score
Temperature and Extreme Heat	N/A	N/A	N/A	N/A
Extreme Precipitation	N/A	N/A	N/A	N/A
Sea Level Rise	1	0	0	N/A
Wildfire	1	0	0	N/A
Flooding	0	0	0	N/A
Drought	N/A	N/A	N/A	N/A
Snowpack Reduction	N/A	N/A	N/A	N/A
Air Quality Degradation	N/A	N/A	N/A	N/A

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.
The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.
The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores do not include implementation of climate risk reduction measures.

6.3. Adjusted Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score
Temperature and Extreme Heat	N/A	N/A	N/A	N/A
Extreme Precipitation	N/A	N/A	N/A	N/A
Sea Level Rise	1	1	1	2
Wildfire	1	1	1	2
Flooding	1	1	1	2

Drought	N/A	N/A	N/A	N/A
Snowpack Reduction	N/A	N/A	N/A	N/A
Air Quality Degradation	N/A	N/A	N/A	N/A

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.
The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.
The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores include implementation of climate risk reduction measures.

6.4. Climate Risk Reduction Measures

7. Health and Equity Details

7.1. CalEnviroScreen 4.0 Scores

The maximum CalEnviroScreen score is 100. A high score (i.e., greater than 50) reflects a higher pollution burden compared to other census tracts in the state.

Indicator	Result for Project Census Tract
Exposure Indicators	—
AQ-Ozone	42.6
AQ-PM	28.1
AQ-DPM	76.8
Drinking Water	24.2
Lead Risk Housing	39.5
Pesticides	35.7
Toxic Releases	27.8
Traffic	61.5
Effect Indicators	—
CleanUp Sites	78.6
Groundwater	67.5
Haz Waste Facilities/Generators	82.7

Impaired Water Bodies	43.8
Solid Waste	96.6
Sensitive Population	—
Asthma	3.22
Cardio-vascular	14.1
Low Birth Weights	40.5
Socioeconomic Factor Indicators	—
Education	78.3
Housing	82.8
Linguistic	77.9
Poverty	78.2
Unemployment	36.4

7.2. Healthy Places Index Scores

The maximum Health Places Index score is 100. A high score (i.e., greater than 50) reflects healthier community conditions compared to other census tracts in the state.

Indicator	Result for Project Census Tract
Economic	—
Above Poverty	14.57718465
Employed	17.95200821
Median HI	15.05196972
Education	—
Bachelor's or higher	34.96727833
High school enrollment	100
Preschool enrollment	1.873476197
Transportation	—
Auto Access	7.878865649
Active commuting	68.52303349

Social	—
2-parent households	81.04709355
Voting	41.66559733
Neighborhood	—
Alcohol availability	17.16925446
Park access	56.96137559
Retail density	84.51174131
Supermarket access	77.74926216
Tree canopy	38.40626203
Housing	—
Homeownership	8.623123316
Housing habitability	19.36353137
Low-inc homeowner severe housing cost burden	79.81521879
Low-inc renter severe housing cost burden	64.18580778
Uncrowded housing	31.19466188
Health Outcomes	—
Insured adults	5.902733222
Arthritis	9.2
Asthma ER Admissions	99.1
High Blood Pressure	21.8
Cancer (excluding skin)	21.2
Asthma	30.0
Coronary Heart Disease	3.1
Chronic Obstructive Pulmonary Disease	5.5
Diagnosed Diabetes	18.3
Life Expectancy at Birth	13.9
Cognitively Disabled	11.9

Physically Disabled	7.5
Heart Attack ER Admissions	99.6
Mental Health Not Good	25.4
Chronic Kidney Disease	2.7
Obesity	34.9
Pedestrian Injuries	81.7
Physical Health Not Good	17.6
Stroke	5.6
Health Risk Behaviors	—
Binge Drinking	68.3
Current Smoker	35.6
No Leisure Time for Physical Activity	16.4
Climate Change Exposures	—
Wildfire Risk	0.0
SLR Inundation Area	0.0
Children	16.3
Elderly	23.2
English Speaking	15.1
Foreign-born	80.3
Outdoor Workers	11.8
Climate Change Adaptive Capacity	—
Impervious Surface Cover	47.4
Traffic Density	77.2
Traffic Access	23.0
Other Indices	—
Hardship	72.9
Other Decision Support	—

2016 Voting	49.7

7.3. Overall Health & Equity Scores

Metric	Result for Project Census Tract
CalEnviroScreen 4.0 Score for Project Location (a)	59.0
Healthy Places Index Score for Project Location (b)	15.0
Project Located in a Designated Disadvantaged Community (Senate Bill 535)	No
Project Located in a Low-Income Community (Assembly Bill 1550)	Yes
Project Located in a Community Air Protection Program Community (Assembly Bill 617)	No

a: The maximum CalEnviroScreen score is 100. A high score (i.e., greater than 50) reflects a higher pollution burden compared to other census tracts in the state.
b: The maximum Health Places Index score is 100. A high score (i.e., greater than 50) reflects healthier community conditions compared to other census tracts in the state.

7.4. Health & Equity Measures

No Health & Equity Measures selected.

7.5. Evaluation Scorecard

Health & Equity Evaluation Scorecard not completed.

7.6. Health & Equity Custom Measures

No Health & Equity Custom Measures created.

8. User Changes to Default Data

Screen	Justification
Land Use	Assumed five acres of the site.

Appendix C

Biological Resources Memorandum

DUDEK
MAIN OFFICE
605 THIRD STREET
ENCINITAS, CALIFORNIA 92024
T 800.450.1818 F 760.632.0164

March 13, 2023 14763

Chris Bennett
AOA San Marcos LLC
709 Randolph Avenue
Costa Mesa, California 92626

Subject: Biological Resources Memorandum for the Marcos Specific Plan Project in San Marcos, California

Dear Chris Bennett:

This biological resources memorandum is intended to describe the existing conditions of biological resources within the approximately 12.06-acre biological study area (study area) for the Marcos Specific Plan Project within the City of San Marcos, California (Figure 1), evaluate impacts of the proposed project, discuss potential biological constraints associated with the study area as identified during the site visit conducted by Dudek on October 27, 2022, and recommend mitigation measures which would be necessary to reduce impacts to biological resources to a less than significant level.

The primary focus of the site visit was to evaluate the current conditions and potential biological resource constraints of the project area outside of the channel which bisects the study area. The study area was also reviewed for any potential ponded areas outside of the channel area which may support listed species associated with vernal pools. Because habitat within the channel is relevant to assessing potential indirect impacts of project activities which would occur outside of the channel area, updated vegetation mapping was conducted for the entire study area based on general physiognomy and species composition. Channel improvement work associated with the segment of Las Posas Creek within the study area, and the associated bridge over the channel, was previously permitted by the City of San Marcos, and the channel is currently subject to restoration maintenance activities following channel improvements within the permitted area (Conservation Area) (Figure 2). No focused surveys for special-status species were conducted for this biological assessment.

1 Location and Project Description

The study area is located at the corner of Grand Avenue and Linda Vista Drive (APNs 219-152-42, -44, -45, -51, -61, -70, -74, -75, -76, -77, -78, -79) and is zoned for commercial uses. The study area is located in Section 10 within the San Marcos quadrangle, in Township 12 South and Range 3 West. The 12.06-acre biological study area boundary was determined using the boundaries of all involved parcels for the proposed project, and therefore included a 0.99-acre portion of Linda Vista Drive in addition to the 11.07-acre project site referenced below.

The proposed project would include the development of 64,000 square feet of commercial uses consisting of office, restaurant, creative spaces, patios, common open space area, kiosks, and seven (7) live/work units; as well as development of 102 condominium units within 15 buildings, and associated amenities. Additions such as bollards may be added to the bridge over Las Posas Creek, and thus the bridge is included in the impact area. The proposed

Marcos Specific Plan Project (project) includes a request for a Specific Plan, General Plan Amendment, Rezone, Site Development Permit, and Tentative Parcel Map for a residential mixed-use development project on a 11.07-acre site. The General Plan Amendment and Rezone would change the General Plan designation and Zoning from Commercial (C) to Specific Plan Area (SPA). The Specific Plan has been prepared with the intent to provide a comprehensive plan to ensure the efficient development of a new mixed-use residential community. The Specific Plan serves as both a policy document and a regulatory document for the systematic implementation of the policies and goals of the General Plan. The Site Development Plan will configure the site for multi-family dwelling units, street configuration, infrastructure, recreational open space, and private open space.

2 Regulatory Context

2.1 Federal

2.1.1 Federal Endangered Species Act

The federal Endangered Species Act of 1973 (16 USC 1531 et seq.), as amended, is administered by the U.S. Fish and Wildlife Service (USFWS) for most plant and animal species, and by the National Oceanic and Atmospheric Administration National Marine Fisheries Service for certain marine species. This legislation is intended to provide a means to conserve the ecosystems upon which endangered and threatened species depend, and provide programs for the conservation of those species, thus preventing extinction of plants and wildlife. The federal Endangered Species Act defines an endangered species as "any species that is in danger of extinction throughout all or a significant portion of its range." A threatened species is defined as "any species that is likely to become an endangered species within the foreseeable future throughout all or a significant portion of its range." Under the federal Endangered Species Act, it is unlawful to take any listed species, and "take" is defined as, "harass, harm, pursue, hunt, shoot, wound, kill, trap, capture, or collect, or to attempt to engage in any such conduct."

The federal Endangered Species Act allows for the issuance of incidental take permits for listed species under Section 7, which is generally available for projects that also require other federal agency permits or other approvals, and under Section 10, which provides for the approval of habitat conservation plans on private property without any other federal agency involvement. Upon development of a habitat conservation plan, USFWS can issue incidental take permits for listed species.

2.1.2 Migratory Bird Treaty Act

The Migratory Bird Treaty Act (MBTA) was originally passed in 1918 as four bilateral treaties, or conventions, for the protection of a shared migratory bird resource. The primary motivation for the international negotiations was to stop the "indiscriminate slaughter" of migratory birds by market hunters and others. Each of the treaties protects selected species of birds and provides for closed and open seasons for hunting game birds. The MBTA protects more than 800 species of birds and prohibits the take of any migratory bird or any part, nest, or eggs of any such bird. Under the MBTA, "take" is defined as pursuing, hunting, shooting, capturing, collecting, or killing, or attempting to do so (16 USC 703 et seq.). Additionally, Executive Order 13186, Responsibilities of Federal Agencies to Protect Migratory Birds, requires that any project with federal involvement address impacts of federal actions on migratory birds with the purpose of promoting conservation of migratory bird populations (66 FR 3853–3856). The executive

order requires federal agencies to work with USFWS to develop a memorandum of understanding. USFWS reviews actions that might affect these species.

Two species of eagles that are native to the United States, bald eagle (*Haliaeetus leucocephalus*) and golden eagle (*Aquila chrysaetos*), were granted additional protection within the United States under the Bald and Golden Eagle Protection Act (16 USC 668–668d) to prevent the species from becoming extinct.

2.1.3 Clean Water Act

Pursuant to Section 404 of the Clean Water Act, the U.S. Army Corps of Engineers (USACE) regulates the discharge of dredged and/or fill material into "waters of the United States." The term "wetlands" (a subset of waters of the United States) is defined in Title 33 of the Code of Federal Regulations, Section 328.3(b), as "those areas that are inundated or saturated by surface or ground water at a frequency and duration sufficient to support, and that under normal circumstances do support, a prevalence of vegetation typically adapted for life in saturated soil conditions. Wetlands generally include swamps, marshes, bogs, and similar areas." In the absence of wetlands, the limits of USACE jurisdiction in non-tidal waters, such as intermittent streams, extend to the ordinary high water mark (OHWM), which is defined in Title 33 of the Code of Federal Regulations, Section 328.3(e).

2.2 State

2.2.1 California Endangered Species Act

The California Department of Fish and Wildlife (CDFW) administers the California Endangered Species Act (CESA), which prohibits the "take" of plant and animal species designated by the California Fish and Game Commission as endangered or threatened in California. Under CESA Section 86, take is defined as "hunt, pursue, catch, capture, or kill, or attempt to hunt, pursue, catch, capture, or kill." CESA Section 2053 stipulates that state agencies may not approve projects that will "jeopardize the continued existence of any endangered species or threatened species, or result in the destruction or adverse modification of habitat essential to the continued existence of those species, if there are reasonable and prudent alternatives available consistent with conserving the species or its habitat which would prevent jeopardy."

CESA defines an endangered species as "a native species or subspecies of a bird, mammal, fish, amphibian, reptile, or plant which is in serious danger of becoming extinct throughout all, or a significant portion, of its range due to one or more causes, including loss of habitat, change in habitat, overexploitation, predation, competition, or disease." CESA defines a threatened species as "a native species or subspecies of a bird, mammal, fish, amphibian, reptile, or plant that, although not presently threatened with extinction, is likely to become an endangered species in the foreseeable future in the absence of the special protection and management efforts required by this chapter. Any animal determined by the [California Fish and Game] Commission as rare on or before January 1, 1985, is a threatened species." A candidate species is defined as "a native species or subspecies of a bird, mammal, fish, amphibian, reptile, or plant that the Commission has formally noticed as being under review by the department for addition to either the list of endangered species or the list of threatened species, or a species for which the Commission has published a notice of proposed regulation to add the species to either list." CESA does not list invertebrate species.

CESA authorizes the taking of threatened, endangered, or candidate species if take is incidental to an otherwise lawful activity and if specific criteria are met. These provisions also require CDFW to coordinate consultations with

USFWS for actions involving federally listed species that are also state-listed species. In certain circumstances, CESA allows CDFW to adopt a CESA incidental take authorization as satisfactory for CEQA purposes based on finding that the federal permit adequately protects the species and is consistent with state law.

A CESA permit may not authorize the take of "fully protected" species that are protected in other provisions of the California Fish and Game Code, discussed further below.

2.2.2 California Fish and Game Code

Sections 3511 (Birds), 4700 (Mammals), 5050 (Reptiles and Amphibians), and 5515 (Fish) of the California Fish and Game Code provide that designated fully protected species may not be taken or possessed without a permit. Incidental take of these species is not authorized by law.

Pursuant to Section 3503.5 of the California Fish and Game Code, it is unlawful to take, possess, or destroy any birds of prey; or to take, possess, or destroy any nest or eggs of such birds. Birds of prey refer to species in the orders Falconiformes and Strigiformes.

Nests of all other birds (except house sparrow [*Passer domesticus*] and European starling [*Sturnus vulgaris*]) are protected under Sections 3503 and 3513 of the California Fish and Game Code.

Pursuant to Section 1602 of the California Fish and Game Code, CDFW regulates all diversions, obstructions, or changes to the natural flow or bed, channel, or bank of any river, stream, or lake that supports fish or wildlife. Diversion, obstruction, or changes to the natural flow or bed, channel, or bank of any river, stream, or lake that supports fish or wildlife requires authorization from CDFW by means of entering into an agreement pursuant to Section 1602 of the California Fish and Game Code.

2.2.3 Porter–Cologne Water Quality Control Act

The Porter–Cologne Water Quality Control Act (Porter–Cologne Act) protects water quality and the beneficial uses of water. It applies to surface water and groundwater. Under this law, the State Water Resources Control Board develops statewide water quality plans, and the Regional Water Quality Control Boards (RWQCBs) develop regional basin plans that identify beneficial uses, water quality objectives, and implementation plans. The RWQCBs have the primary responsibility to implement the provisions of statewide plans and basin plans. Waters regulated under the Porter–Cologne Act include isolated waters that are not regulated by USACE. RWQCBs regulate discharging waste, or proposing to discharge waste, within any region that could affect a "water of the state" (California Water Code, Section 13260[a]). Waters of the state are defined as "any surface water or groundwater, including saline waters, within the boundaries of the state" (California Water Code, Section 13050[e]). Developments with impacts on jurisdictional waters must demonstrate compliance with the goals of the Porter–Cologne Act by developing Stormwater Pollution Prevention Plans, Standard Urban Stormwater Mitigation Plans, and other measures to obtain a Clean Water Act Section 401 certification. If a Clean Water Act Section 404 permit is not required for a project, the RWQCB may still require a permit (i.e., Waste Discharge Requirement) for impacts to waters of the state under the Porter–Cologne Act.

2.2.4 California Environmental Quality Act

CEQA (California Public Resources Code Section 21000 et seq.) and the CEQA Guidelines (14 CCR 15000 et seq.) require identification of a project's potentially significant impacts on biological resources and feasible mitigation measures and alternatives that could avoid or reduce significant impacts. CEQA Guidelines Section 15380(b)(1) defines endangered animals or plants as species or subspecies whose "survival and reproduction in the wild are in immediate jeopardy from one or more causes, including loss of habitat, change in habitat, overexploitation, predation, competition, disease, or other factors" (14 CCR 15000 et seq.). A rare animal or plant is defined in CEQA Guidelines Section 15380(b)(2) as a species that, although not currently threatened with extinction, exists "in such small numbers throughout all or a significant portion of its range that it may become endangered if its environment worsens; or … [t]he species is likely to become endangered within the foreseeable future throughout all or a significant portion of its range and may be considered 'threatened' as that term is used in the federal Endangered Species Act." Additionally, an animal or plant may be presumed to be endangered, rare, or threatened if it meets the criteria for listing, as defined further in CEQA Guidelines Section 15380(c). CEQA also requires identification of a project's potentially significant impacts on riparian habitats (such as wetlands, bays, estuaries, and marshes) and other sensitive natural communities, including habitats occupied by endangered, rare, and threatened species.

In Title 14 of the California Code of Regulations (CCR), Section 1.72 (14 CCR, Section 1.72), CDFW defines a "stream" (including creeks and rivers) as "a body of water that flows at least periodically or intermittently through a bed or channel having banks and supports fish or other aquatic life. This includes watercourses having surface or subsurface flow that supports or has supported riparian vegetation."

In 14 CCR 1.56, CDFW's definition of "lake" includes "natural lakes or [human-built] reservoirs." Diversion, obstruction, or changes to the natural flow or bed, channel, or bank of any river, stream, or lake that supports fish or wildlife requires authorization from CDFW by means of entering into an agreement pursuant to Section 1602 of the California Fish and Game Code.

CDFW recognizes that all plants with a California Rare Plant Rank of 1A, 1B, or 2, and some ranked 3, of the California Native Plant Society's Inventory of Rare and Endangered Plants in California (CNPS 2022) may meet the criteria for listing as threatened or endangered and should be considered under CEQA. Some of the California Rare Plant Rank 3 and 4 plants meet the criteria for determination as "rare" or "endangered" as defined in Section 1901, Chapter 10 (Native Plant Protection Act), Division 2, of the California Fish and Game Code, as well as Section 2062 and Section 2067, Chapter 1.5 (CESA), Division 3. Therefore, consideration under CEQA for these California Rare Plant Rank 3 and 4 species is strongly recommended by the California Native Plant Society (CNPS 2022).

For purposes of this report, animals considered "rare" under CEQA include endangered or threatened species, Birds of Conservation Concern, California Species of Special Concern, and fully protected species.

Section IV, Appendix G, Environmental Checklist Form, of the CEQA Guidelines (14 CCR 15000 et seq.) requires an evaluation of impacts to "any riparian habitat or other sensitive natural community identified in local or regional plans, policies, regulations, or by the California Department of Fish and Wildlife or U.S. Fish and Wildlife Service."

2.2.5 California Natural Community Conservation Planning Act

In 1991, the California Natural Community Conservation Planning (NCCP) Act was approved and the NCCP Coastal Sage Scrub program was initiated in Southern California. The 1991 NCCP Act was replaced by the NCCP Act of

2003, which has since been amended three times, in 2003, 2011, and most recently in 2012. California law (California Fish and Game Code Section 2800 et seq.) established the NCCP program "to provide for regional protection and perpetuation of natural wildlife diversity while allowing compatible land use and appropriate development and growth." The NCCP Act encourages preparation of plans that address habitat conservation and management on an ecosystem basis rather than one species or habitat at a time.

2.3 Local

2.3.1 North County Multiple Habitat Conservation Program

The North County Multiple Habitat Conservation Program (MHCP) is a long-term regional conservation plan established to protect sensitive species and habitats in northern San Diego County. The MHCP is divided into seven Subarea Plans—one for each jurisdiction within the MHCP—that are permitted and implemented separately from one another. The City of Carlsbad is the only city under the MHCP that has an approved and permitted Subarea Plan. The City of San Marcos Subarea Habitat Conservation Plan/Natural Community Conservation Plan (San Marcos Subarea Plan) has not been finalized or implemented, and the City is no longer an active participant in the Natural Community Conservation Plan program or the subregional MHCP conservation planning effort. However, it is the City's policy to comply with the conservation policies identified in the draft San Marcos Subarea Plan, including an assessment of a designated Biological Core and Linkage Area or MHCP Focused Planning Area in the context of a proposed project and the preservation of sensitive biological resources.

2.3.2 San Marcos General Plan

The San Marcos General Plan Update (General Plan) includes a General Plan Existing Conditions Report. Chapter 5 of the Existing Conditions Report identifies and describes aspects of conservation and natural resources within the City of San Marcos, including biological resources within the Planning Area. The report includes the following goals and policies related to biological resources (City of San Marcos 2021):

Goal COS-1: Identify, protect, and enhance significant ecological and biological resources within San Marcos and its adaptive Sphere of Influence.

- **Policy 1.1**: Support the protection of biological resources through the establishment, restoration, and conservation of high-quality habitat areas.
- **Policy 1.2**: Ensure that new development, including Capital Improvement Projects, maintain the biotic habitat value of riparian areas, oak woodlands, habitat linkages, and other sensitive biological habitats.
- **Policy 1.3**: Continue to work with other federal, State, regional, and local agencies.

Goal COS-2: The City is committed to conserving, protecting, and maintaining open space, agricultural, and limited resources for future generations. By working with property owners, local organizations, and State and federal agencies, the City can limit the conversion of resource lands to urban uses.

- **Policy 2.1**: Provide and protect open space areas throughout the City for its recreational, agricultural, safety, and environmental value.

- **Policy 2.2**: Limit, to the extent feasible, the conversion of open space to urban uses and place a high priority on acquiring and preserving open space lands for recreation, habitat protection and enhancement, flood hazard management, water and agricultural resources protection, and overall community benefit.

- **Policy 2.3**: Protect existing agricultural areas, encourage farm to consumer, promote public health, and promote small-scale agriculture such as community gardens and the growing of organic produce.

- **Policy 2.6**: Preserve healthy mature trees where feasible; where removal is necessary, trees shall be replaced at a ratio of 1:1.

3 Methods

3.1 Reconnaissance Survey

A reconnaissance survey of the study area was conducted by Dudek biologist Olivia Koziel on October 27, 2022. The entire study area was traversed on foot in meandering transects to ensure full coverage of the area. The focus of the reconnaissance survey was on identifying potential biological resource constraints outside of the channel area, and also on identifying any potential vernal pools present in the study area. Dudek also created a general map of the vegetation communities and land covers present within the study area, as well as documented plant and wildlife species observed or detected. A general habitat assessment was conducted concurrently for special-status species known to occur in the regional vicinity of the study area, including for potentially occurring sensitive resources that would not be apparent at the time of the survey (e.g., rare annual plants and special-status wildlife species).

3.1.1 Vegetation Mapping

Vegetation communities and land covers within the study area were mapped in the field based on general physiognomy and species composition. Data was recorded using the Field Maps mobile application over aerial base map imagery of the study area, and a geographic information system (GIS) coverage was created.

The vegetation community and land cover mapping follow the Draft Vegetation Communities of San Diego County (Oberbauer et. al. 2008), which is based on the Preliminary Descriptions of the Terrestrial Natural Communities of California (Holland 1986). Where vegetation observed in the field did not exactly match a community described within Oberbauer et. al. (2008), Dudek included additional descriptions to better represent the existing conditions observed (i.e., two vegetation communities combined to describe a mosaic of herbaceous wetland and southern willow scrub, and the addition of "disturbed" to describe the cover of non-native vegetation within the southern riparian woodland).

3.1.2 Identification of Flora and Fauna

Plant species encountered during the October 27th site visit were identified and recorded. Latin and common names for plant species with a California Rare Plant Rank (CRPR) follow the California Native Plant Society Online Inventory of Rare, Threatened, and Endangered Plants of California (CNPS 2022). For plant species without a California Rare Plant Rank, Latin names follow the *Jepson Interchange List of Currently Accepted Names of Native and Naturalized Plants of California* (Jepson Flora Project 2022), and common names follow the United States Department of

Agriculture (USDA) Natural Resources Conservation Service Plants Database (USDA 2022). A list of plant species observed within the study area is presented in Attachment A.

All wildlife species detected by sight, vocalizations, burrows, tracks, scat, and other signs were also recorded. Binoculars (10×50) were used to aid in the identification of observed wildlife. Latin and common names for vertebrate species referred to in this report follow Crother (2017) for amphibians and reptiles, Wilson and Reeder (2005) for mammals, and the American Ornithological Society *Checklist of North and Middle American Birds* (AOS 2022) for birds. A list of wildlife species observed within the study area is presented in Attachment B.

3.1.3 Survey Limitations

Limitations of the survey include seasonal constraints, a diurnal bias, and the absence of focused trapping for small mammals and reptiles. Low rainfall during the preceding spring may have limited the emergence, survival, and growth of some herbaceous plant species. No focused rare plant surveys, jurisdictional aquatic resource delineation, or focused or protocol-level surveys for special-status wildlife species were conducted during the site visit. However, due to the poor quality and disturbed condition of the habitat outside of the channel area, special-status plant and wildlife species are not expected to occur aside from species planted as a part of channel improvement work. Climatic conditions during the survey generally were favorable for the identification of wildlife. Surveys were conducted during the daytime to maximize visibility for the detection of plants and most animals. Since the focus of the survey was on biological constraints outside of the channel area, the plant species list included as Attachment A may not include all species which were present within the channel area.

4 Results

Based on historic aerials and geotechnical investigations, the study area was graded and developed between 1964 and 1987 to its current configuration, and was previously almost entirely developed with pavement, buildings, and roads with the exception of the channel. Fill soil material is located over older alluvium throughout the proposed project area to a depth of 4 feet below surface (Geotek 2021). Until buildings and infrastructure were demolished and removed from the study area in recent years, the majority of the study area was developed with the exception of biological resources associated with Las Posas Creek. All structures were removed from the study area by 2018, however large areas of pavement remain. Furthermore, prior to channel improvement and restoration work, when the site was almost entirely developed, the channel bisecting the study area was narrow and supported a much lower level of biodiversity than it supports currently (NetrOnline 2022). Outside of the channel area, the study area is a mosaic of urban/developed and disturbed habitat which supports limited vegetation. The study area, in general, is relatively flat with little topographic variation aside from the channel. The majority of sensitive vegetation communities mapped within the study area are encompassed within the Conservation Area, or immediately adjacent to it in areas that would not be directly impacted as a result of the proposed project. The Conservation Area is to remain under the City's jurisdiction and is subject to maintenance and monitoring per the terms of the associated Long Term Management Plan (LTMP) (Dudek 2018). As stated in the LTMP, the Corps, RWQCB, and CDFW have jurisdiction over the wetlands associated with the channel area, and the necessary permits were obtained for the channel improvement project impacts.

4.1 Vegetation Mapping

Six vegetation communities/land covers were identified in the biological study area including disturbed habitat (3.26 acres); disturbed wetland (0.03 acre); urban/developed (7.98 acre); coastal and valley freshwater marsh (0.33 acre); herbaceous wetland/southern willow scrub (0.42 acre); and disturbed southern riparian woodland (0.04 acre). These vegetation communities/land covers are described below, their acreages are presented in Table 1, and their spatial distributions are presented in Figure 2.

Table 1. Vegetation Communities and Land Covers within the Study Area

Vegetation Community or Land Cover Type	Mapping Unit Code[1]	Existing Acres Present Within Conservation Area[2]	Existing Acres Present Outside of Conservation Area[2]	Total Acres Present Within the Study Area
Disturbed Habitat	11000	0.04	3.22	3.26
Disturbed Wetland	11200	0.00	0.03	0.03
Urban/Developed	12000	0.14	7.84	7.98
Coastal and Valley Freshwater Marsh	52410	0.31	0.02	0.33
Herbaceous Wetland/ Southern Willow Scrub	52510/63320	0.40	0.02	0.42
Southern Riparian Woodland (Disturbed)	62500	0.00	0.04	0.04
	Total Acres	**0.89**	**11.17**	**12.06**

Notes:
1 Numeric code assigned to the vegetation community or land cover type according to Oberbauer et. al (2008).
2 Conservation Area refers to the existing conservation area surrounding the channel. Channel improvement work and maintenance activities have already been permitted and improvement work limits extended outside of the Conservation Area.

4.1.1 Disturbed Habitat (11000)

Disturbed habitats are areas that have been physically disturbed and are no longer recognizable as a native or naturalized vegetation association (Oberbauer et. al. 2008). These areas may continue to retain soil substrate. If vegetation is present, it is almost entirely composed of non-native vegetation, such as ornamentals or ruderal exotic species. Examples of these areas may include graded landscapes or areas, graded firebreaks, graded construction pads, temporary construction staging areas, off-road-vehicle trails, areas repeatedly cleared for fuel management, or areas that are repeatedly used in ways that prevent revegetation (e.g., parking lots, trails that have persisted for years). (Oberbauer et. al. 2008).

Within the study area, disturbed habitat is dominated by non-native weedy species such as Russian thistle (*Salsola* sp.) within areas of bare ground, and associated longbeak stork's bill (*Erodium botrys*) and mowed invasive grasses such as red brome (*Bromus rubens*). Very few native plant individuals, such as desertbroom (*Baccharis sarothroides*), are sprouting within these areas.

4.1.2 Disturbed Wetland (11200)

Disturbed wetland refers to areas that are permanently or periodically inundated by water that have been significantly modified by human activity. Disturbed wetlands include concrete-lined channels, Arizona crossings,

detention basins, culverts, and ditches. Disturbed wetlands are often unvegetated, but can contain scattered native or non-native vegetation, such as giant reed (*Arundo donax*), tamarisk (*Tamarix spp.*), eucalyptus (*Eucalyptus* spp.), palms (*Phoenix* spp*.; Washingtonia* spp.), Bermuda grass (*Cynodon dactylon*), willows (Salix spp.), and cattails (*Typha* spp.) (Oberbauer et. al. 2008).

Within the study area, disturbed wetland refers to an area of rip rap within the channel at the outfall of a culvert under Grand Avenue. This area has relatively low vegetative cover.

4.1.3 Urban/Developed (12000)

Urban/developed refers to areas that have been constructed on or disturbed so severely that native vegetation is no longer supported. Developed land includes areas with permanent or semi-permanent structures, pavement or hardscape, landscaped areas, and areas with a large amount of debris or other materials (Oberbauer et. al. 2008).

In the study area, this land cover generally represents areas of concrete and asphalt from previous development and associated parking lots, with mostly invasive non-native plant species such as fountain grass (*Pennisetum setaceum*) occupying cracks and gaps between pavements. The few native plants present in these areas include one Gooding's willow (*Salix gooddingii*) which is mostly surrounded by concrete. This mapping unit also includes a small artificially constructed biofiltration basin located just north of the main channel. The basin is irrigated and is dominated by San Diego sagewort (*Artemisia palmeri*) and Douglas' sagewort (*Artemisia douglasiana*).

4.1.4 Coastal and Valley Freshwater Marsh (52410)

Coastal and valley freshwater marsh is a wetland habitat that is permanently flooded by freshwater lacking a significant current (Oberbauer et. al. 2008). Because it is permanently flooded by fresh water, there is an accumulation of deep, peaty soils. It is typically dominated by species such as cattail, sedge (*Carex* spp.), yellow nutsedge (*Cyperus esculentus*), and bulrushes (*Scirpus* spp.).

This vegetation community was used to map the lowest, wet part of the channel which is dominated by southern cattail (*Typha domingensis*) with associated scattered young willows (*Salix* sp.).

4.1.5 Herbaceous Wetland/Southern Willow Scrub (52510/63320)

This combination of two vegetation communities is used to best describe the general current conditions on slopes adjacent to the channel as observed during the site visit. The composition and distribution of vegetation communities within the Conservation Area in and surrounding the channel may continue to evolve over time with continued implementation of maintenance and management activities.

Herbaceous wetlands are seasonal wetlands which may be found adjacent to drainages or in swales and typically contain primarily annual species. This vegetation community usually does not support species which are more characteristic of freshwater marsh, including *Typha*, *Scirpus*, and *Juncus* (Oberbauer et al. 2008). Southern willow scrub is a dense, broad-leafed, winter-deciduous riparian thicket dominated by several willow species, with scattered emergent Fremont cottonwood (*Populus fremontii*) and California sycamore (*Platanus racemosa*) (Oberbauer et. al. 2008).

Herbaceous wetland/southern willow scrub is mapped on channel slopes in the study area and is a generally dense mixture of several species including California mugwort, sweetscent (*Pluchea odorata*), some San Diego sagewort,

Canadian horseweed (*Erigeron canadensis*), young willows such as red willow (*Salix laevigata*) and arroyo willow (*Salix lasiolepis*), scattered planted lemonadeberry shrubs (*Rhus intergrifolia*), Hooker's evening primrose (*Oenothera elata* ssp. *hookeri*), and a low cover of young California sycamore. Vegetation to the south of the channel is generally denser than to the north of the channel, although overall species composition is similar.

4.1.6 Disturbed Southern Riparian Woodland (62500)

Southern riparian woodland is moderate density riparian woodland that is dominated by small trees or shrubs and has scattered taller riparian trees. Southern riparian woodland occurs within major river systems where flood scour occurs and smaller major tributaries. Characteristic species that are typically found in southern riparian woodland include broom baccharis, western sycamore, western cottonwood (*Populus* spp.), willows, and elderberry species (*Sambucus* spp.) (Oberbauer et. al. 2008).

Within the study area, this vegetation community is mapped in one area adjacent to the channel, and is mapped as disturbed southern riparian woodland due to the amount of non-native tree species cooccurring with native species. This area is dominated by larger willow trees, with associated eucalyptus and ornamental crimson bottlebrush (*Melaleuca citrina*).

4.2 Jurisdictional Resources

While the primary focus of this biological survey was on areas outside of the channel and a formal jurisdictional delineation was not conducted as a part of this effort, vegetation communities observed in and adjacent to the channel area were mapped.

Vegetation communities, including those classified as potential wetlands, were mapped within the study area and may be regulated by local, state, and federal agencies. These include disturbed wetland, coastal and valley freshwater marsh, herbaceous wetland/southern willow scrub, and disturbed southern riparian woodland. Communities below the OHWM within the channel are likely regulated USACE, pursuant to Section 404 of the federal Clean Water Act; CDFW, pursuant to Section 1602 of the California Fish and Game Code; and the RWQCB, pursuant to Section 401 of the federal Clean Water Act. Communities located outside of the OHWM but adjacent to the channel, such as disturbed southern riparian woodland, may be regulated as riparian habitat by CDFW. Communities located above the OHWM up to the top of the channel bank may be regulated by both CDFW and RWQCB.

4.3 Floral Diversity

A total of 60 species of native or naturalized plants, 30 native (50%) and 30 non-native (50%), were recorded in the study area during the site visit (Attachment A). The majority of native plant cover occurs within the Conservation Area within and surrounding the channel. However, some native species occur scattered throughout the disturbed and developed areas, occupying a low (i.e. less than 10%) cover overall in those areas.

4.3.1 Special-Status Plant Species

Two plant species with a California Rare Plant Rank (CRPR) were observed during the survey: San Diego sagewort (CRPR 4.2), and San Diego marsh-elder (*Iva hayesiana*; CRPR 2B.2). Plant species with a CRPR of 4 (i.e., San Diego sagewort) are considered limited distribution or watchlist species and less sensitive/rare than plant species with a CRPR of 1 through 3 (CNPS 2022). San Diego sagewort currently has a tentative global ranking of G3, which

corresponds to a moderate extinction risk "due to a fairly restricted range, relatively few populations or occurrences, recent and widespread declines, threats, or other factors" (CDFW 2022b).

These plant species are located primarily within in the existing Conservation Area associated with the channel, and were planted as part of the channel restoration work (Dudek 2011). No special-status plant species were observed during a previous biological reconnaissance survey of the channel area conducted by Dudek in December of 2008, prior to channel restoration work in the area (Dudek 2009). San Diego marsh elder is located within the Conservation Area adjacent to the channel. While the majority of San Diego sagewort present in the study area is located within the existing Conservation Area, some San Diego sagewort is located outside of the Conservation Area immediately to the southwest of the existing bridge near a storm drain, and within the small biofiltration basin to the east of the bridge on the northern side of the channel.

The study area was previously extensively graded for development, and undocumented fill was likely deposited throughout the entire project area to a depth of four feet, as described in the geotechnical report (Geotek 2021). Due to the disturbed, previously developed context of the study area supporting little to no appropriate habitat and suitable substrate, no special-status plant species other than those which were planted during channel restoration are expected to occur within the study area, and thus focused rare plant surveys are not necessary.

4.4 Wildlife Diversity

A total of 12 wildlife species were observed during the site visit, including 10 bird species, one mammal (California ground squirrel [*Otospermophilus beecheyi*]), and one reptile (western fence lizard [*Sceloporus occidentalis*]). All wildlife species observed in the study area are relatively common, widely distributed, and adapted to living in close proximity to urban development. A list of wildlife species observed during the site visit is included as Attachment B.

4.4.1 Special-Status Wildlife Species and Nesting Birds

While focused wildlife surveys were not conducted, no special-status wildlife species were observed during the 2022 reconnaissance survey. Due to the disturbed, previously developed context of the study area which is situated in a highly urbanized area, and the relatively limited extent of native habitat present, there is a low potential for special-status wildlife species to occur in the study area, especially outside of the Conservation Area.

Outside of the Conservation Area, the study area has limited potential to support nesting birds during the avian breeding season due to the disturbed nature of the majority of the area, lack of substantial vegetative cover, and surrounding development. Nesting in the study area would likely be limited to small, common bird species which are tolerant of disturbance from adjacent development and traffic. Vegetation within and adjacent to the channel provides denser cover for wildlife and primarily has the potential to support nesting of common, small riparian bird species such as common yellowthroat (*Geothlypis trichas*), while disturbed and urban/developed open areas could support common species such as mourning dove (*Zenaida macroura*) which sometimes nest on the ground. Mature willows located in the disturbed southern riparian woodland and tall eucalyptus trees located mostly adjacent to the western side of the study area have the potential to support nesting of common bird species in addition to raptors that are adapted to urban environments, such as Cooper's hawk (*Accipiter cooperii*).

Some scattered small mammal burrows, California ground squirrel and/or rabbit burrows are present in the study area where pavement isn't present. Due to the highly disturbed condition of the study area and the fact that a large amount of the area is paved and was historically almost entirely developed, the level of habitat suitability for special-

status wildlife species such as burrowing owl (*Athene cunicularia*) is low, and there is a low potential for the study area to support special-status small mammals. No burrowing owl sign was observed within the study area during the survey.

The study area is not expected to support special-status listed riparian birds such as least Bell's vireo (*Vireo bellii pusillus*) or southwestern willow flycatcher (*Empidonax traillii extimus*) because the riparian areas on site are too small and isolated to support these species. The area of the channel east of the bridge is not expected to support special-status riparian birds since it is comprised mostly of cattails in the channel with scattered small willows. West of the existing bridge, there is a denser cover of riparian vegetation including willows in the channel area, but the potential for the habitat to support least Bell's vireo is still low due to the urbanized status of the surrounding area and the relatively narrow and limited amount of mature native habitat present in the study area. Southwestern willow flycatcher occurrences are increasingly rare in southern California and would be expected in wider and more extensive riparian habitat than is present in and adjacent to the study area.

According to the California Natural Diversity Database (CNDDB), two special-status wildlife occurrences with one mile accuracy overlap the study area: American badger (*Taxidea taxus*) from an unknown year and Townsend's big-eared bat from 1930 (*Corynorhinus townsendii*) (CDFW 2022c). The study area does not contain suitable roosting or foraging habitat for Townsend's big-eared bat, and American badger is not expected to occur due to the disturbed and urbanized context of the study area. No designated or proposed critical habitat for special-status wildlife species occurs in the study area (USFWS 2022).

4.4.2 Wildlife Movement

The study area includes an approximately 770-foot-long (0.15-mile) segment of Las Posas Creek (encompassed within the Conservation Area). The Las Posas Creek is a north to southwest–trending urbanized channel originating in the foothills of San Marcos and flowing south through an urban corridor of the city before reaching its confluence with San Marcos Creek, approximately 1 mile downstream of the study area. The ability for this reach to provide a dispersal corridor for terrestrial wildlife and avifauna is restricted by road crossings, culverts, fences, buildings and other manmade structures that restrict wildlife use, fragment habitat, and impede movement. Terrestrial movement upstream is limited by culverts under Grand Avenue, which forms the northern boundary of the study area, and State Route 78 beyond Grand Avenue, and the entire study area is fenced with chain link fencing. Terrestrial movement downstream is limited by culverts under Via Vera Cruz, approximately 550 feet west of the study area.

A formal wildlife movement study has not been conducted; however, with wetland and riparian vegetation, stream bed, and perennial water supply, the Conservation Area likely facilitates limited wildlife movement. Because the channel at this location is earthen bottomed, vegetated, and supports perennial stream flow (due to urban runoff), it provides cover and aquatic resources for wildlife species in the area, and likely permits limited wildlife movement from Grand Avenue west to Via Vera Cruz, where the channel becomes contained within a closed channel conveyance system. Therefore, the study area likely provides resources primarily to birds. Other common urban wildlife such as coyote (*Canis latrans*), common raccoon (*Procyon lotor*), or striped skunk (*Mephitis mephitis*) may also occasionally use the study area for foraging, but due to fencing as well as the culverts and roads surrounding and fragmenting available habitat, the study area likely does not facilitate substantial movement opportunities for terrestrial wildlife. This area has not been designated as a regional wildlife corridor in the City's draft Subarea Plan to the MHCP and given the fragmented nature of Las Posas Creek, this area likely does not function as a regional wildlife corridor due to the constrained urban context of the study area and the fragmented nature of the channel.

4.5 Vernal Pool Assessment

A property located immediately south of Linda Vista Drive across from the study area is a managed vernal pool mitigation site known to contain vernal pools and sensitive species which are associated with vernal pool habitats. However, the study area has been graded and almost entirely developed with the exception of the channel, and extensively disturbed in the past, and no vernal pools were observed within the study area during the site visit. Although the survey was conducted outside of the usual wet season, no evidence of vernal pools or depressions that could support ponding were observed. Additionally, as determined during the geotechnical study, fill soil material is located over older alluvium throughout the proposed project area to a depth of 4 feet below surface, and undocumented fill was likely deposited throughout the entire project area (Geotek 2021). The study area does not support vernal pools and therefore is not expected to support special-status plant or wildlife species associated with vernal pools, such as listed large branchiopods.

5 Impacts, Constraints, and Mitigation

5.1 Definition of Impacts

Direct impacts were quantified by overlaying the impact limits over the mapped biological resources. For this report, direct impacts are defined as those that result in the direct removal of a biological resource through clearing, grubbing, and/or grading, and all impacts associated with the proposed project as shown in Figure 3 are assumed to be permanent.

Indirect impacts are reasonably foreseeable effects caused by implementation of the proposed project on remaining or adjacent biological resources outside the proposed limits of work. Indirect impacts may affect areas within the defined study area but outside the limits of grading, non-impacted areas, and areas outside the study area, such as downstream effects. Indirect impacts include short term effects immediately related to construction activities and long term or chronic effects related to trail use and development of the study area. In most cases, indirect effects are not quantified, but in some cases, quantification might be included, such as using a noise contour to quantify indirect impacts to nesting birds.

5.2 Impacts to Vegetation Communities and Land Covers

The impact limits of the proposed project are shown in Figure 3 over the vegetation mapping. As shown, the limits of work overlap approximately 11.01 acres of non-sensitive land covers which do not require mitigation for direct impacts. Direct impacts to sensitive vegetation communities would be completely avoided, and impacts would be limited to urban/developed and disturbed habitat land covers.

A summary of impacts to mapped vegetation communities and land covers and mitigation ratios typically required by the City of San Marcos in cooperation with regulatory agencies for impacts to the present vegetation communities are provided in Table 2. Mitigation ratios outlined below would ensure consistency with the MHCP and draft San Marcos Subarea Plan.

The proposed project would not impact the Conservation Area, and permanent fencing is to be installed around the Conservation Area. All mitigation ratios provided in Table 2 are for impacts outside of the Conservation Area.

Table 2. Impacts to Vegetation Communities and Land Covers in the Study Area

Vegetation Community or Land Cover Type	Existing Acres in Study Area	Impacts Proposed (Acres)	Mitigation Ratio Typically Required for Impacts	Mitigation Required (Acres)
Disturbed Habitat	3.26	3.19	N/A	0.00
Disturbed Wetland	0.03	0.00	2:1	0.00
Urban/Developed	7.98	7.82	N/A	0.00
Coastal and Valley Freshwater Marsh	0.33	0.00	2:1	0.00
Herbaceous Wetland/ Southern Willow Scrub	0.42	0.00	3:1	0.00
Southern Riparian Woodland (Disturbed)	0.04	0.00	3:1	0.00
Total Acres	**12.06**	**11.01**	—	**0.00**

Short-term indirect impacts associated with dust and erosion, and short- and long-term indirect impacts associated with increased human presence, could occur as a result of project implementation. Such impacts could negatively affect viability of sensitive native vegetation adjacent to the project footprint through decreasing photosynthetic ability and degradation due to unauthorized access. Indirect impacts resulting from project implementation would be less than significant with implementation of MM-BIO-1.

5.3 Impacts to Potential Jurisdictional Resources

Waters of the U.S., including wetlands, are considered sensitive and thus are regulated by local, state, and federal agencies. The proposed project would not result in direct impacts to potential jurisdictional resources which are located within the Conservation Area, and thus no permits for impacts to jurisdictional resources are required. Potential short- and long-term indirect impacts to potential jurisdictional resources located adjacent to the impact area, such as off-site transport of sediment and pollutants, would be avoided through implementation of measure MM-BIO-1 as described in section 5.5 below, and would be less than significant. As a part of the channel improvement project, native transitional species were planted along the widened channel slopes to serve as a native habitat buffer to the drainage channel to further protect riparian and wetland habitats beyond the permanent fencing which shall be installed around the Conservation Area.

5.4 Impacts to Special-Status Species and Nesting Birds

5.4.1 Special-Status Plants

Special-status plants observed in the study area during the site visit with a CRPR of 1 or 2 (San Diego marsh elder) are located entirely within the Conservation Area and would not be impacted by the proposed project. Plant species with a CRPR of 4 (i.e., San Diego sagewort) are considered limited distribution or watchlist species and less sensitive/rare than plant species with a CRPR of 1 through 3 (CNPS 2022). Some San Diego sagewort, a species which was not observed in the study area in 2008 but was planted during restoration activities (Dudek 2009; Dudek 2011), is located adjacent to, but outside of, the Conservation Area near a storm drain and within a small biofiltration basin and may be impacted by the proposed project.

CNPS specifies that plants with a CRPR of 4 are species which warrant population monitoring in general, but currently seem to have a low level of vulnerability to threat of extinction statewide (CNPS 2020). Furthermore, CRPR 4 species "generally do not currently appear to meet the criteria for listing as threatened or endangered", and thus typically are not required to have impacts assessed according to CEQA guidelines (CNPS 2020). Certain CRPR 4 species under specific population and geographic range-related circumstances may meet CEQA Section 15380 definitions which would qualify the species for impact assessment, including if the species is included in sensitive species lists maintained by the Bureau of Land Management (BLM), USFWS, or U.S. Forest Service (USFS) (CNPS 2020). The San Diego sagewort present was planted as part of the recent restoration effort and thus does not represent a natural occurrence of the species within the study area, and the species is not included on BLM, USFWS, or USFS sensitive plant species lists (BLM 2023; USFS 2023; USFWS 2023).

Because the Conservation Area would not be impacted, there would be no direct impacts to special-status plant species with a CRPR of 1 or 2, and therefore direct impacts to special-status plants as a result of the proposed project would be less than significant.

Potential indirect impacts to special-status plants are similar to those described for sensitive vegetation communities and would be less than significant with implementation of MM-BIO-1.

5.4.2 Special-Status Wildlife and Nesting Birds

The highly disturbed condition of the majority of the study area, with limited vegetative cover and surrounded by development, is not suitable habitat for most special-status wildlife. However, the study area and adjacent vegetation have the potential to support nesting birds. If clearing, grubbing, or other ground disturbance related to project construction occurs during the nesting bird season, any impacts to active nests or the young of nesting bird species would be significant.

Indirect impacts to protected nesting birds that have the potential to occur within or adjacent to the study area could result from construction activities. Potential temporary indirect impacts to nesting birds could occur as a result of excessive noise and increased human activity in close proximity to an active nest. Long-term indirect impacts could result from intense lighting adjacent to the Conservation Area, which could limit suitability of the native habitat for nesting birds, increased human activity in the vicinity of the Conservation Area, and an increase in the number of domestic pets, i.e. cats which may hunt and kill native wildlife if allowed to roam outdoors, or off-leash dogs which can also harm or kill wildlife. Impacts to nesting birds shall be mitigated to less than significant through nesting bird surveys and establishment of appropriate nest buffers, as described in MM-BIO-2 provided in Section 5.5 below, and lighting, increased human activity, and domestic pet impacts would be less than significant with implementation of MM-BIO-1.

5.4.3 Vernal Pools

The study area does not support vernal pools and therefore is not expected to support special-status plant or wildlife species associated with vernal pools, such as listed large branchiopods. No impacts to vernal pools would occur as a result of the proposed project.

5.5 Mitigation and Impact Avoidance Measures

The following measures are recommended to ensure that the proposed project is implemented in accordance with the City's General Plan, CEQA, and other pertinent local, state, and federal guidelines and regulations.

While the proposed project would not result in direct impacts to sensitive vegetation communities, special-status plants with a CRPR of 1 or 2, or potential jurisdictional resources, these resources are present in the channel area which is located adjacent to the impact areas, and thus are subject to potential short and long-term indirect impacts as described 5.2 and 5.3 above. Indirect impacts would be avoided and would be less than significant with implementation of MM-BIO-1.

The California Fish and Game Code protects bird nests and the MBTA prohibits the intentional take of any migratory bird or any part, nest, or eggs of any such bird. Construction-related ground-disturbing activities (clearing, grubbing, grading) or other activities that result in the removal of vegetation that occur during the nesting bird season, or any impacts to active nests or the young of nesting bird species, as well as impacts to raptors that could nest in the mature trees in or adjacent to the study area, would be significant. This impact shall be mitigated to less than significant through nesting bird surveys and establishment of appropriate buffers, as described in MM-BIO-2.

MM-BIO-1 Sensitive Vegetation and Resources Protection. Indirect impacts to sensitive riparian and wetland vegetation communities, sensitive habitat, and jurisdictional aquatic resources located within the existing Conservation Area, which will remain under the City's jurisdiction, shall be avoided through implementation of the following measures.

a. All proposed lighting systems associated with proposed future development shall comply with City standards for shielded low sodium, low wattage lighting designed to cut glare and light scatter and to direct light away from the Conservation Area.
b. Signage shall be installed by the project applicant or its designee along the development/open space interface and/or shall be provided at existing buildings where determined appropriate by the City for the purpose of identifying sensitive habitats and educating visitors and residents of sensitive habitats and/or restoration efforts. Signage shall include information regarding the importance of not allowing pets to roam outdoors and off-leash, both for the safety of pets and to protect native wildlife.
c. The Conservation Area shall be strategically fenced to ensure habitat protection and to minimize conflicts with adjacent neighborhoods. All necessary fencing shall be designed to allow for wildlife passage but deter human use of the Conservation Area. The Conservation Area shall be fenced using permanent chain-link fencing.
d. The limits of work shall be clearly defined and marked in the field and reviewed by a qualified biologist for consistency against the approved grading plan prior to initiation of project construction.

e. All site preparation and construction activities shall incorporate standard erosional best management practices (BMPs) including, but not limited to, straw bales, gravel bags, sand bags, the periodic watering of bare areas, and the direction of construction area drainage to existing storm drain facilities.

f. All equipment maintenance, staging areas, and dispensing of fuel, oil, or other toxicants shall occur in designated upland areas at least 50 feet from the Conservation Area.

g. Install silt fencing and other silt containment devices where necessary to prevent off-site transport of sediment and pollutants. Install oil and grease traps at any storm drain inlets which are adjacent to or within work areas.

h. Any post-construction BMPs shall be described in a Stormwater Management Plan to illustrate how runoff from proposed developments will be treated prior to its discharge into the drainage.

MM-BIO-2 Nesting Bird Surveys. Construction-related ground-disturbing activities (e.g., clearing/grubbing, grading, and other intensive activities) that occur during the breeding season (February 15 through August 31 for most species, and from January 15 through August 31 for raptors,) shall require a one-time biological survey for nesting bird species to be conducted by a qualified biologist within the limits of work within 72 hours prior to construction. This survey is necessary to ensure avoidance of impacts to nesting raptors and/or birds protected by the federal Migratory Bird Treaty Act and California Fish and Game Code, Sections 3503 and 3513. If any active nests are detected, the area shall be flagged and mapped on the construction plans or a biological resources figure, and the information provided to the construction supervisor and any personnel working near the nest buffer. Active nests shall have "no work zone" buffers established around them (e.g., 250 feet for passerines to 500 feet for raptors) by the project biologist in the field with brightly colored flagging tape, conspicuous fencing, or other appropriate barriers or signage. The project biologist shall serve as a construction monitor during those periods when construction activities occur near active nest areas to avoid inadvertent impacts to these nests. The project biologist may adjust the 250-foot or 500-foot setback at their discretion depending on the species and the location of the nest (e.g., if the nest is well protected in an area buffered by dense vegetation). However, if needed, additional qualified monitor(s) shall be provided in order to monitor active nest(s) or other project activities in order to ensure all of the project biologist's duties are completed. Once the nest is no longer occupied for the season as determined by the project biologist, construction may proceed in the setback areas.

If construction activities, particularly clearing/grubbing, grading, and other intensive activities, stop for more than 3 days, an additional nesting bird survey shall be conducted within the proposed impact area.

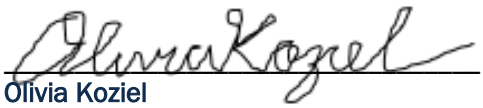
5.6 Consistency with Local and Regional Resource Planning

The proposed project would be consistent with the goals of the MHCP as well as with the San Marcos General Plan's goals and policies relating to natural resources included in section 2.3.2 above (City of San Marcos 2021). The study area is not within a designated Biological Core and Linkage Area or a MHCP Focused Planning Area. Sensitive biological resources in the study area, including potential jurisdictional aquatic resources, sensitive vegetation communities and habitat, and plants with a CRPR of 1 or 2, would be conserved. The Conservation Area contains

native habitat which has already been greatly enhanced through the recent restoration efforts, and sensitive habitat within the study area as well as any sensitive wildlife it supports would be protected through the measures of the proposed project, consistent with Goal COS-1 of the General Plan (City of San Marcos 2021). The proposed project would also be consistent with Policy 2.6 of Goal COS-2 of the General Plan, as project implementation would not be expected to result in the removal of healthy, mature trees (City of San Marcos 2021). Implementation of the project would introduce a landscape plan and more vegetation and trees than what currently exists in the study area, which would accomplish more than the 1:1 tree replacement rate required in the case that any trees within the study area are removed and are considered to be mature at the time clearing occurs for the proposed project. With implementation of proposed mitigation measures MM-BIO-1 and MM-BIO-2, the proposed project would not conflict with the provisions of an adopted Habitat Conservation Plan, Natural Community Conservation Plan, or other applicable plan related to biological resources.

Should you have any questions regarding this report and its findings, please do not hesitate to contact me at 760.557.0545 or at okoziel@dudek.com.

Sincerely,



Olivia Koziel
Biologist, Dudek

Att.: *Figure 1 – Project Location*
Figure 2 – Biological Resources
Figure 3 – Impacts
A – Plant Compendium
B – Wildlife Compendium

cc: *Vanessa Scheidel, Dudek*

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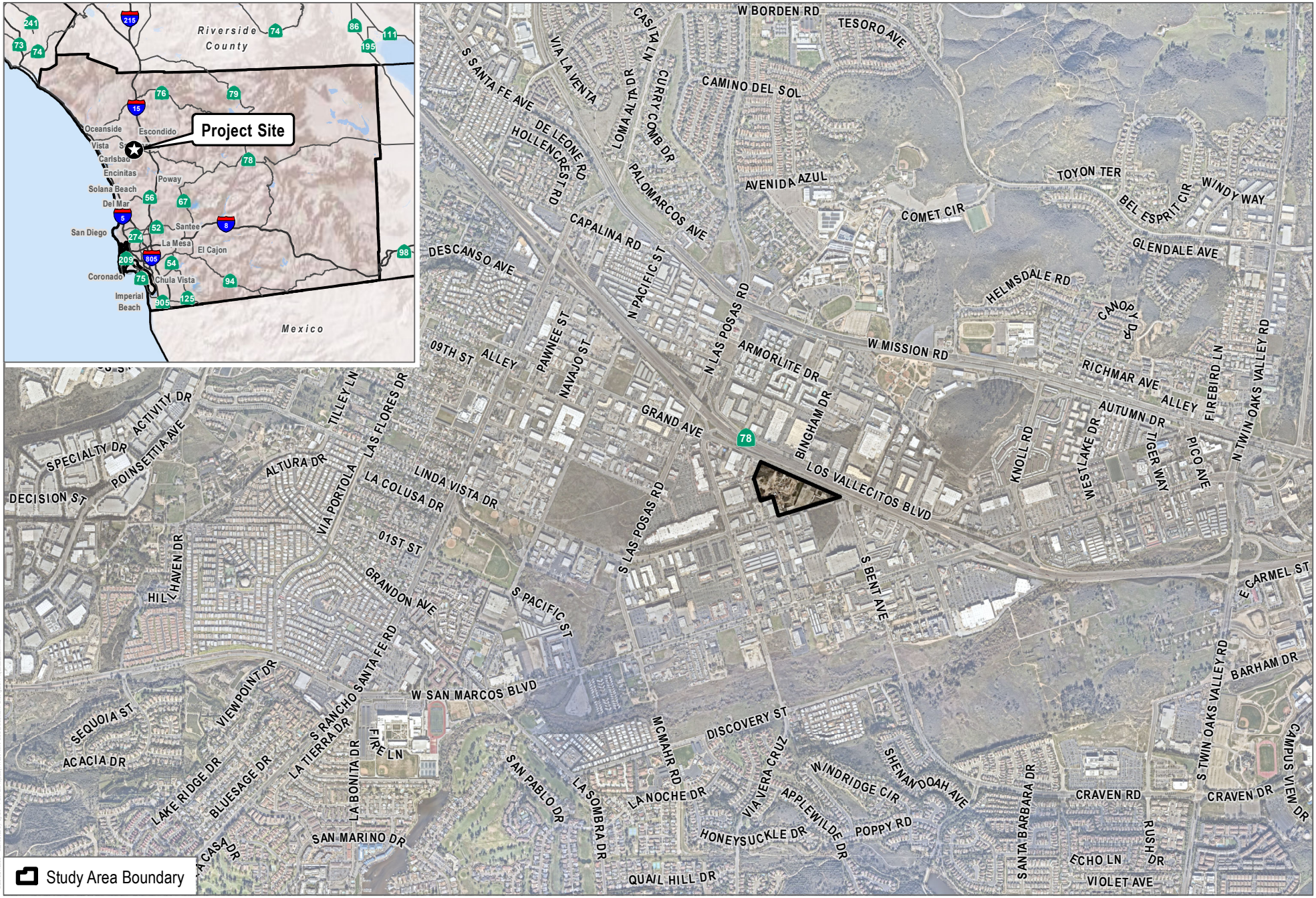


SOURCE: SANGIS 2020, 2022

DUDEK

0 1,000 2,000 Feet

FIGURE 1

Project Location

Marcos Specific Plan Project

SOURCE: City of San Marcos 2022; SANGIS 2022

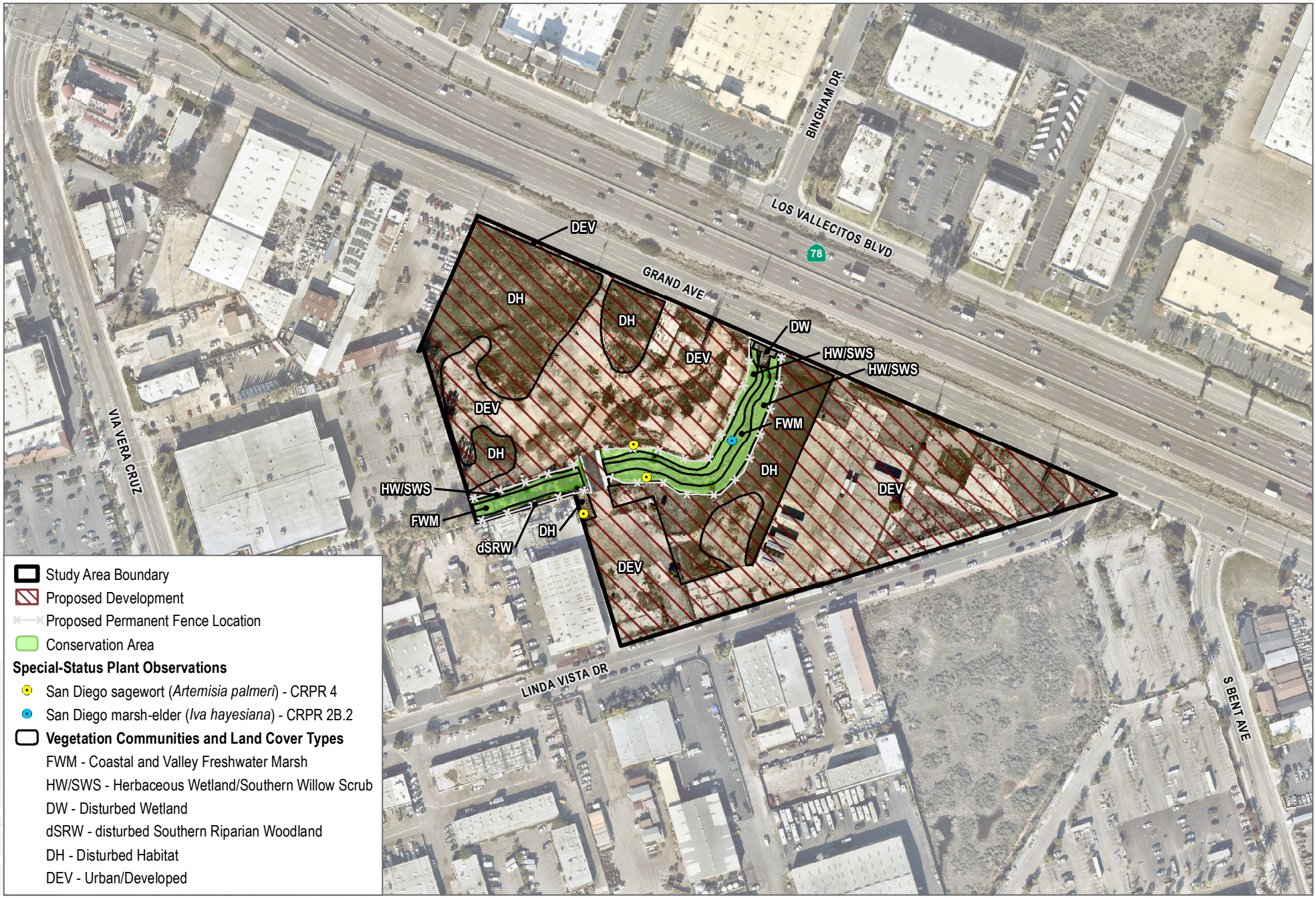
DUDEK

0 150 300 Feet

FIGURE 2

Biological Resources

Marcos Specific Plan Project



SOURCE: Fuscoe 2022; City of San Marocs 2022; SANGIS 2022

DUDEK

0 150 300 Feet

FIGURE 3

Impacts

Marcos Specific Plan Project

Attachment A

Plant Compendium

Vascular Species

Eudicots

AMARANTHACEAE – AMARANTH FAMILY

* *Amaranthus albus* – prostrate pigweed

ANACARDIACEAE – SUMAC OR CASHEW FAMILY

Malosma laurina – laurel sumac

Rhus integrifolia – lemonade berry

APIACEAE – CARROT FAMILY

* *Foeniculum vulgare* – fennel

ASTERACEAE – SUNFLOWER FAMILY

Ambrosia psilostachya – western ragweed

Artemisia californica – California sagebrush

Artemisia douglasiana – Douglas' sagewort

Artemisia palmeri – San Diego sagewort

Baccharis pilularis – coyote brush

Baccharis salicifolia – mulefat

Baccharis sarothroides – desertbroom

* *Centaurea melitensis* – Maltese star-thistle
* *Dittrichia graveolens* – stinkwort

Erigeron canadensis – Canadian horseweed

Heterotheca grandiflora – telegraphweed

Isocoma menziesii – Menzies's golden bush

Iva hayesiana – San Diego marsh-elder

* *Lactuca serriola* – prickly lettuce

Pluchea odorata – sweetscent

Stephanomeria diegensis – San Diego wirelettuce

BRASSICACEAE – MUSTARD FAMILY

* *Hirschfeldia incana* – shortpod mustard

CACTACEAE – CACTUS FAMILY

Opuntia littoralis – coast prickly pear

CHENOPODIACEAE – GOOSEFOOT FAMILY

* *Salsola australis* – Russian thistle
* *Salsola tragus* – prickly Russian thistle

EUPHORBIACEAE – SPURGE FAMILY

* *Euphorbia maculata* – spotted sandmat

FABACEAE – LEGUME FAMILY

* *Acacia cyclops* – coastal wattle
* *Melilotus albus* – yellow sweetclover
* *Melilotus indicus* – annual yellow sweetclover
* *Senna didymobotrya* – African senna

GERANIACEAE – GERANIUM FAMIL

* *Erodium botrys* – longbeak stork's bill

LAMIACEAE – MINT FAMILY

* *Marrubium vulgare* – horehound

MYRSINACEAE – MYRSINE FAMILY

* *Lysimachia arvensis* – scarlet pimpernel

MYRTACEAE – MYRTLE FAMILY

* *Eucalyptus* spp. – Eucalyptus
* *Melaleuca citrina* – crimson bottlebrush

ONAGRACEAE – EVENING PRIMROSE FAMILY

Epilobium brachycarpum – tall annual willowherb

Oenothera elata ssp. hookeri – Hooker's evening primrose

PLANTAGINACEAE – PLANTAIN FAMILY

* *Kickxia elatine* – sharpleaf cancerwort
* *Plantago lanceolata* – narrowleaf plantain

PLATANACEAE – PLANE TREE, SYCAMORE FAMILY

Platanus racemosa – California sycamore

POLYGONACEAE – BUCKWHEAT FAMILY

* *Polygonum aviculare* – prostrate knotweed
* *Rumex crispus* – curly dock

ROSACEAE – ROSE FAMILY

Rosa californica – California rose

SALICACEAE – WILLOW FAMILY

Populus fremontii – Fremont cottonwood

Salix gooddingii – Goodding's willow

Salix laevigata – red willow

Salix lasiolepis – arroyo willow

SOLANACEAE – NIGHTSHADE FAMILY

Datura wrightii – sacred thorn-apple

* *Nicotiana glauca* – tree tobacco

TAMARICACEAE – TAMARISK FAMILY

* *Tamarix ramosissima* – tamarisk

Monocots

ARECACEAE – PALM FAMILY

* *Washingtonia robusta* – Washington fan palm

CYPERACEAE – SEDGE FAMILY

Cyperus eragrostis – tall flatsedge

Schoenoplectus californicus – California bulrush

POACEAE – GRASS FAMILY

Bothriochloa barbinodis – cane bluestem

* *Bromus diandrus* – ripgut brome
* *Bromus rubens* – red brome
* *Cynodon dactylon* – Bermudagrass
* *Muhlenbergia rigens* – deer grass
* *Pennisetum setaceum* – fountain grass
* *Schismus barbatus* – common Mediterranean grass

TYPHACEAE – CATTAIL FAMILY

Typha domingensis – southern cattail

* signifies introduced (non-native) species

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Attachment B

Wildlife Compendium

Birds

Bushtits

AEGITHALIDAE – LONG-TAILED TITS AND BUSHTITS

Psaltriparus minimus – bushtit

Flycatchers

TYRANNIDAE – TYRANT FLYCATCHERS

Sayornis nigricans – black phoebe

Sayornis saya – Say's phoebe

Tyrannus vociferans – Cassin's kingbird

Hawks

ACCIPITRIDAE – HAWKS, KITES, EAGLES, AND ALLIES

Buteo jamaicensis – red-tailed hawk

Buteo lineatus – red-shouldered hawk

Jays, Magpies and Crows

CORVIDAE – CROWS AND JAYS

Corvus brachyrhynchos – American crow

Owls

TYTONIDAE – BARN OWLS

Tyto alba – barn owl

Pigeons and Doves

COLUMBIDAE – PIGEONS AND DOVES

Zenaida macroura – mourning dove

Wood Warblers and Allies

PARULIDAE – WOOD-WARBLERS

Geothlypis trichas – common yellowthroat

Mammals

Squirrels

SCIURIDAE – SQUIRRELS

Otospermophilus beecheyi – California ground squirrel

Reptiles

Lizards

PHRYNOSOMATIDAE – IGUANID LIZARDS

Sceloporus occidentalis – western fence lizard

* signifies introduced (non-native) species

Appendix D

Cultural Resources Phase I Inventory Report

DUDEK
MAIN OFFICE
605 THIRD STREET
ENCINITAS, CALIFORNIA 92024
T 800.450.1818 F 760.632.0164

March 6, 2023 14763

Chris Bennett
AOA San Marcos LLC
709 Randolph Avenue
Costa Mesa, California 92626

Subject: Archaeological Resources Inventory Report for the Marcos Specific Plan Project in San Marcos, California

Dear Mr. Bennett:

This letter documents the archaeological resources inventory conducted by Dudek for the Marcos Specific Plan Project (Project), located in the City of San Marcos, California (Figure 1). The Project would consist of 102 multi-family residential units, 7,658 square feet (sf) of office space, and 49,266 sf of specialty retail space on the on the 11.07-acre Project area (Figure 1). The City of San Marcos (City) is the lead agency responsible for compliance with the California Environmental Quality Act (CEQA). In accordance with CEQA, Dudek performed an archaeological resources inventory for the entire Project area, which consists of 11.07 acres that encompasses two parcels (Assessor Parcel Numbers [APNs] 219-152-14-00, 219-152-40, 42, 44, 45, 51, 61) (Figure 2). The report was prepared under the direct supervision of Dudek archaeologist Angela Pham, M.A., RPA, who meets the Secretary of the Interior's Standards for archaeology.

A records search for the Project including a surrounding one-mile radius search buffer was conducted by Dudek at the South Coastal Information Center (SCIC). The records search identified one cultural resource (CA-SDI-22954) within the Project area, which consists of a historic-age trash scatter. Moreover, an additional 47 cultural resources were identified within the one-mile buffer. A Native American Heritage Commission (NAHC) Sacred Lands File (SLF) search was requested on October 10, 2022. The results were received on November 30, 2022, and the SLF search is negative.

Based on historic aerials, portions of the Project area were graded and developed between the mid-1960s and late 1970s. Further, undocumented fill was likely deposited throughout the entire Project area ranging from 0 feet to 5 feet below ground surface, as described in the geotechnical report (Geotek 2021).

One previously recorded site, CA-SDI-22954, a historic-age trash scatter with approximately 60-70 artifacts comprised of glass fragments, metal fragments, and a small number of ceramics, was previously recorded within the Project area. The site was previously found not eligible for the National Register of Historic Places (NRHP). However, the site was not identified during the pedestrian survey and was determined to be destroyed by the restoration work along Los Posas Creek. It is not a historical resource as defined by CEQA.

Due to the presence of a cultural resource within the Project area, and a plethora of cultural resources within one-mile of the Project area, there is a moderate potential of identifying intact subsurface archaeological deposits during Project implementation, especially within the older alluvium sediments below the fill. Dudek recommends cultural resources monitoring, consisting of a qualified archaeological monitor and Luiseno Native American monitor, during all initial ground disturbing within native undisturbed soils. Monitoring can be reduced or terminated should no discoveries are made or if documentation is provided which demonstrates that ground-disturbing activities will be occurring in sediments with no potential for cultural resources.

1 Project Description and Location

The Project is located at the corner of Grand Avenue and Linda Vista Avenue, in the City of San Marcos (APN 219-152-14-00, 219-152-40, 42, 44, 45, 51, 61). The Project area falls within Section 10 of Township 12 South, Range 3 West of the San Marcos California 7.5-minute Quadrangle (Figure 1). The Project area has been previously disturbed and has several large, paved portions to the east and south. The Project area is located in an urban area of the City, surrounded on all sides by existing development, including Grand Avenue immediately to the north, commercial uses to the west, south, and east. There is also a vacant lot across Linda Vista Drive to the east. The Project area is relatively flat but will require some cut and fill. The East-End Planning Area will cut approximately 2,065 cubic yards (CY) of material, fill approximately 2,635 CY of material with approximately 570 CY of the fill coming from import material. The West-End Planning Area will require approximately 70 CY of cut, 15,680 CY of fill of which approximately 15,610 CY will come from import material. The Project includes a maximum height of 45 feet or 3 stories for the multi-family residential component (western portion of the Project area), and a maximum building height of 60 feet (65 feet with architectural projections) for the retail/office component (eastern portion of the Project area).

The Project consists of 102 multi-family residential units, 7,658 square feet (sf) of office space, and 49,266 sf of specialty retail space on the on the 11.07-acre Project area (Figure 2).

2 Regulatory Framework

2.1 The California Register of Historic Resources (Public Resources Code section 5020 et seq.)

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

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

(California Public Resources Code section 5024.1(c).) Resources less than 50 years old are not considered for listing in the CRHR, but may be considered if it can be demonstrated that sufficient time has passed to understand the historical importance of the resource (see 14 CCR, section 4852(d)(2)).

The CRHR protects cultural resources by requiring evaluations of the significance of prehistoric and historic resources. The criteria for the CRHR are nearly identical to those for the NRHP, and properties listed or formally designated as eligible for listing on the NRHP are automatically listed on the CRHR, as are the state landmarks and points of interest. The CRHR also includes properties designated under local ordinances or identified through local historical resource surveys. The State Historic Preservation Officer maintains the CRHR.

2.2 Native American Historic Cultural Sites (California Public Resources Code section 5097 et seq.)

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

2.3 California Native American Graves Protection and Repatriation Act

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

2.4 California Environmental Quality Act

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

1. California Public Resources Code section 21083.2(g): Defines "unique archaeological resource."

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

Under CEQA, a project may have a significant effect on the environment if it may cause "a substantial adverse change in the significance of an historical resource" (California Public Resources Code section 21084.1; CEQA Guidelines section 15064.5(b)). If a site is either listed or eligible for listing in the CRHR, or if it is included in a local register of historic resources, or identified as significant in a historical resources survey (meeting the requirements of California Public Resources Code section 5024.1(q)), it is a "historical resource" and is presumed to be historically or culturally significant for purposes of CEQA (California Public Resources Code section 21084.1; CEQA Guidelines section 15064.5(a)). The lead agency is not precluded from determining that a resource is a historical resource even if it does not fall within this presumption (California Public Resources Code section 21084.1; CEQA Guidelines section 15064.5(a)).

A "substantial adverse change in the significance of an historical resource" reflecting a significant effect under CEQA means "physical demolition, destruction, relocation, or alteration of the resource or its immediate surroundings such that the significance of an historical resource would be materially impaired" (CEQA Guidelines section 15064.5(b)(1); California Public Resources Code section 5020.1(q)). In turn, the significance of a historical resource is materially impaired when a project:

1. Demolishes or materially alters in an adverse manner those physical characteristics of an historical resource that convey its historical significance and that justify its inclusion in, or eligibility for, inclusion in the California Register; or
2. Demolishes or materially alters in an adverse manner those physical characteristics that account for its inclusion in a local register of historical resources pursuant to section 5020.1(k) of the Public Resources Code or its identification in an historical resources survey meeting the requirements of section 5024.1(g) of the Public Resources Code, unless the public agency reviewing the effects of the project establishes by a preponderance of evidence that the resource is not historically or culturally significant; or
3. Demolishes or materially alters in an adverse manner those physical characteristics of a historical resource that convey its historical significance and that justify its eligibility for inclusion in the California Register as determined by a lead agency for purposes of CEQA.

See Section 2.7, below for a discussion of the CEQA guidelines for determining significance and mitigating impacts to unique archaeological resources.

2.5 California Health and Safety Code Section 7050.5 and Public Resources Code Section 5097.98

CEQA Guidelines Section 15064.5 assigns special importance to human remains and specifies procedures to be used when Native American remains are discovered. As described below, these procedures are detailed in California Health and Safety Code Section 7050.5 and Public Resources Code Section 5097.98.

California law protects Native American burials, skeletal remains, and associated grave goods, regardless of their antiquity, and provides for the sensitive treatment and disposition of those remains. Health and Safety Code Section 7050.5 requires that if human remains are discovered in any place other than a dedicated cemetery, no further disturbance or excavation of the site or nearby area reasonably suspected to contain human remains shall occur until the County coroner has examined the remains (California Health and Safety Code Section 7050.5[b]). If the coroner determines or has reason to believe the remains are those of a Native American, the coroner must contact the NAHC within 24 hours (California Health and Safety Code Section 7050.5[c]). In accordance with California Public Resources Code Section 5097.98(a), the NAHC will notify the Most Likely Descendant (MLD). With the permission of the landowner, the MLD may inspect the site of discovery. Within 48 hours of being granted access to the site, the MLD may recommend means of treatment or disposition, with appropriate dignity, of the human remains and associated grave goods.

2.6 Assembly Bill 52

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

1. listed or eligible for listing in the CRHR or a local register of historical resources, or
2. determined by a lead agency to be a TCR.

2.7 Senate Bill 18

California Senate Bill 18 (SB 18), which took effect on March 1, 2005, requires local (city and county) governments to consult with California Native American tribes identified by the Native American Heritage Commission (NAHC) for the purpose of protecting, and/or mitigating impacts to cultural places in creating or amending general plans and specific plans (Government Code section 65352.3).

2.8 Guidelines for Determining Significance

According to CEQA (§15064.5b), a project with an effect that may cause a substantial adverse change in the significance of an historical resource is a project that may have a significant effect on the environment. CEQA defines a substantial adverse change:

> Substantial adverse change in the significance of an historical resource means physical demolition, destruction, relocation, or alteration of the resource or its immediate surroundings such that the significance of an historical resource would be materially impaired.

The significance of an historical resource is materially impaired when a project:

- Demolishes or materially alters in an adverse manner those physical characteristics of an historical resource that convey its historical significance and that justify its inclusion in, or eligibility for inclusion in, the CRHR; or
- Demolishes or materially alters in an adverse manner those physical characteristics that account for its inclusion in a local register of historical resources pursuant to section 5020.1(k) of the Public Resources Code or its identification in an historical resources survey meeting the requirements of section 5024.1(g) of the Public Resources Code, unless the public agency reviewing the effects of the project establishes by a preponderance of evidence that the resource is not historically or culturally significant; or
- Demolishes or materially alters in an adverse manner those physical characteristics of an historical resource that convey its historical significance and that justify its eligibility for inclusion in the CRHR as determined by a lead agency for purposes of CEQA.

Section 15064.5(c) of CEQA applies to effects on archaeological sites and contains the following additional provisions regarding archaeological sites:

- When a project will impact an archaeological site, a lead agency shall first determine whether the site is an historical resource, as defined in subsection (a).
- If a lead agency determines that the archaeological site is a historical resource, it shall refer to the provisions of Section 21084.1 of the Public Resources Code, and this section, Section 15126.4 of the Guidelines, and the limits contained in Section 21083.2 of the Public Resources Code do not apply.
- If an archaeological site does not meet the criteria defined in subsection (a), but does meet the definition of a unique archaeological resource in Section 21083.2 of the Public Resources Code, the site shall be treated in accordance with the provisions of section 21083.2. The time and cost limitations described in Public Resources Code Section 21083.2 (c–f) do not apply to surveys and site evaluation activities intended to determine whether the project location contains unique archaeological resources.
- If an archaeological resource is neither a unique archaeological nor a historical resource, the effects of the project on those resources shall not be considered a significant effect on the environment. It shall be sufficient that both the resource and the effect on it are noted in the Initial Study or Environmental Impact Report (EIR), if one is prepared to address impacts on other resources, but they need not be considered further in the CEQA process.

Section 15064.5(d) and (e) contain additional provisions regarding human remains. Regarding Native American human remains, paragraph (d) provides:

> When an initial study identifies the existence of, or the probable likelihood of, Native American human remains within the project, a lead agency shall work with the appropriate Native Americans

> as identified by the Native American Heritage Commission as provided in Public Resources Code SS5097.98. The applicant may develop an agreement for treating or disposing of, with appropriate dignity, the human remains and any items associated with Native American burials with the appropriate Native Americans as identified by the Native American Heritage Commission. Action implementing such an agreement is exempt from:
>
> 1. The general prohibition on disinterring, disturbing, or removing human remains from any location other than a dedicated cemetery (Health and Safety Code Section 7050.5); and
> 2. The requirement of CEQA and the Coastal Act.

Under CEQA, an EIR is required to evaluate any impacts on unique archaeological resources (California Public Resources Code section 21083.2.) A "unique archaeological resource" is defined as:

> [A]n archaeological artifact, object, or site about which it can be clearly demonstrated that, without merely adding to the current body of knowledge, there is a high probability that it meets any of the following criteria:
>
> 1. Contains information needed to answer important scientific research questions and that there is a demonstrable public interest in that information.
> 2. Has a special and particular quality such as being the oldest of its type or the best available example of its type.
> 3. Is directly associated with a scientifically recognized important prehistoric or historic event or person.

(California Public Resources Code section 21083.2(g)). An impact to a non-unique archaeological resource is not considered a significant environmental impact and such non-unique resources need not be further addressed in the EIR (Public Resources Code section 21083.2(a); CEQA Guidelines section 15064.5(c)(4)).

As stated above, CEQA contains rules for mitigation of "unique archaeological resources." For example, "[i]f it can be demonstrated that a project will cause damage to a unique archaeological resource, the lead agency may require reasonable efforts to be made to permit any or all of these resources to be preserved in place or left in an undisturbed state. Examples of that treatment, in no order of preference, may include, but are not limited to, any of the following:

1. Planning construction to avoid archaeological sites.
2. Deeding archaeological sites into permanent conservation easements.
3. Capping or covering archaeological sites with a layer of soil before building on the sites.
4. Planning parks, greenspace, or other open space to incorporate archaeological sites." (Pub. Resources Code section 21083.2(b)(1)-(4).)

Public Resources Code section 21083.2(d) states that "[e]xcavation as mitigation shall be restricted to those parts of the unique archaeological resource that would be damaged or destroyed by the project. Excavation as mitigation shall not be required for a unique archaeological resource if the lead agency determines that testing or studies already completed have adequately recovered the scientifically consequential information from and about the resource, if this determination is documented in the environmental impact report."

The rules for mitigating impacts to archaeological resources to qualify as "historic resources" are slightly different. According to CEQA Guidelines section 15126.4(b)(3), "[p]ublic agencies should, whenever feasible, seek to avoid damaging effects on any historic resource of an archaeological nature. The following factors shall be considered and discussed in an EIR for a project involving such an archaeological site:

A. Preservation in place is the preferred manner of mitigating impacts to archaeological sites. Preservation in place maintains the relationship between artifacts and the archaeological context. Preservation may also avoid conflict with religious or cultural values of groups associated with the site.
B. Preservation in place may be accomplished by, but is not limited to, the following:
    1. Planning construction to avoid archaeological sites;
    2. Incorporation of sites within parks, greenspace, or other open space;
    3. Covering the archaeological sites with a layer of chemically stable soil before building tennis courts, parking lots, or similar facilities on the site[; and]
    4. Deeding the site into a permanent conservation easement.

Thus, although section 21083.2 of the Public Resources Code, in addressing "unique archaeological sites," provides for specific mitigation options "in no order of preference," CEQA Guidelines section 15126.4(b), in addressing "historical resources of an archaeological nature," provides that "[p]reservation in place is the preferred manner of mitigating impacts to archaeological sites."

Under CEQA, "[w]hen data recovery through excavation is the only feasible mitigation," the lead agency may cause to be prepared and adopt a "data recovery plan," prior to any excavation being undertaken. The data recovery plan must make "provision for adequately recovering the scientifically consequential information from and about the historic resource." (CEQA Guidelines section 15126.4(b)(3)(C).) The data recovery plan also "must be deposited with the California Historical Resources Regional Information Center." (*Ibid*.) Further, "[i]f an artifact must be removed during project excavation or testing, curation may be an appropriate mitigation." (*Ibid*.)

However, "[d]ata recovery shall not be required for an historical resource if the lead agency determines that testing or studies already completed have adequately recovered the scientifically consequential information from and about the archaeological or historic resource, provided that determination is documented in the EIR and that the studies are deposited with the California Historical Resources Regional Information Center." (CEQA Guidelines section 15126.4(b)(3)(D).)

2.9 City of San Marcos General Plan

The Conservation and Open Space Element of the City's General Plan (adopted in 2012 and updated in 2013) describes the cultural and paleontological resources, regulatory framework, and policies and plans to protect such resources (City of San Marcos 2013). The planning goals and policies are described below.

The City of San Marcos Goal COS-11, in the Goals and Policies section, consists of three policies to assist in the implementation of preserving paleontological resources. The City's goal is to "continue to identify and evaluate cultural, historical, archaeological, paleontological, and architectural resources for protection from demolition and inappropriate actions" in compliance with CEQA guidelines (City of San Marcos 2013). The three policies pertain to the protection of the above resources. In summary, the policies are meant to: (1) identify and protect cultural resources; (2) prevent the destruction or removal of a historic structure without evaluating it and assessing the

possible preservation alternatives; and (3) identify "opportunities for adaptive reuse of historic sites and buildings to preserve and maintain their viability" (City of San Marcos 2013).

3.0 City of San Marcos Archaeological and Historical Resources Consultant Guidelines

The City of San Marcos published guidelines for archaeological and historical resources consultants in January 2023. The guidelines are generally meant to aide third party consultants who prepare archaeological or architectural history inventories, surveys, evaluations, and other technical documents. These guidelines include information pertaining to the minimum qualifications, records searches, tribal outreach, pedestrian surveys, reporting, research design, findings, discussion and evaluations, management conclusions, references, and appendices of inventories, surveys, evaluations, and other technical documents (City San Marcos 2023).

4 Project Background

4.1 Natural Setting

The Project area is located at the northwest corner of Grand Avenue and Linda Vista Drive in the City of San Marcos. The existing Project area has been previously disturbed and is currently developed with paved areas in the eastern and southern sections, and billboards in the northern section. The Project area is generally flat, and there is little to no topographic variation. The Project area is located in an urban area of the City surrounded on all sides by existing development, including commercial and industrial uses to the north, east, south, and west. Highway 78 is also less than 30 meters north of the Project area. Las Posas Creek transects the Project area and flows to the south and southwest. Vegetation adjacent to Los Posas Creek includes cattails, tumbleweeds, low-lying dry grasses.

4.2 Prehistoric Context

Evidence for continuous human occupation in Southern California spans the last 10,000 years. Various attempts to parse out variability in archaeological assemblages over this broad time frame have led to the development of several cultural chronologies; some of these are based on geologic time, most are based on temporal trends in archaeological assemblages, and others are interpretive reconstructions. Each of these reconstructions describes essentially similar trends in assemblage composition in more or less detail. This research employs a common set of generalized terms used to describe chronological trends in assemblage composition: Paleoindian (pre-5500 BC), Archaic (8000 BC–AD 500), Late Prehistoric (AD 500–1769), and Ethnohistoric (post-AD 1769).

4.2.1 Paleoindian Period (pre-5500 BC)

Evidence for Paleoindian occupation in coastal Southern California is tenuous, especially considering the fact that the oldest dated archaeological assemblages look nothing like the Paleoindian artifacts from the Great Basin. One of the earliest dated archaeological assemblages in coastal Southern California (excluding the Channel Islands) derives from CA-SDI-4669/W-12, in La Jolla. A human burial from CA-SDI-4669 was radiocarbon dated to 9,590–9,920 years before present (95.4% probability) (Hector 2007). The burial is part of a larger site complex that contained more than 29 human burials associated with an assemblage that fits the Archaic profile (i.e., large amounts of ground stone, battered cobbles, and expedient flake tools). In contrast, typical Paleoindian

assemblages include large stemmed projectile points, high proportions of formal lithic tools, bifacial lithic reduction strategies, and relatively small proportions of ground stone tools. Prime examples of this pattern are sites that were studied by Emma Lou Davis (1979) on Naval Air Weapons Station China Lake near Ridgecrest, California. These sites contained fluted and unfluted stemmed points and large numbers of formal flake tools (e.g., shaped scrapers, blades). Other typical Paleoindian sites include the Komodo site (CA-MNO-679)— a multicomponent fluted point site, and CA-MNO-680—a single component Great Basined Stemmed point site (see Basgall et al. 2002). At CA-MNO-679 and -680, ground stone tools were rare while finely made projectile points were common.

Turning back to coastal Southern California, the fact that some of the earliest dated assemblages are dominated by processing tools runs counter to traditional notions of mobile hunter–gatherers traversing the landscape for highly valued prey. Evidence for the latter—that is, typical Paleoindian assemblages—may have been located along the coastal margin at one time, prior to glacial desiccation and a rapid rise in sea level during the early Holocene (pre-7500 BP) that submerged as much as 1.8 kilometers of the San Diego coastline. If this were true, however, it would also be expected that such sites would be located on older landforms near the current coastline. Some sites, such as CA-SDI-210 along Agua Hedionda Lagoon, contained stemmed points similar in form to Silver Lake and Lake Mojave projectile points (pre-8000 BP) that are commonly found at sites in California's high desert (see Basgall and Hall 1993). CA-SDI-210 yielded one corrected radiocarbon date of 8520–9520 BP (see Warren et al. 2004). However, sites of this nature are extremely rare and cannot be separated from large numbers of milling tools that intermingle with old projectile point forms.

Warren et al. (2004) claimed that a biface manufacturing tradition present at the Harris site complex (CA-SDI-149) is representative of typical Paleoindian occupation in the San Diego region that possibly dates between 10,365 and 8200 BC (Warren et al. 2004). Termed San Dieguito (see also Rogers 1945), assemblages at the Harris site are qualitatively distinct from most others in the San Diego region because the site has large numbers of finely made bifaces (including projectile points), formal flake tools, a biface reduction trajectory, and relatively small amounts of processing tools (see also Warren 1964, 1968). Despite the unique assemblage composition, the definition of San Dieguito as a separate cultural tradition is hotly debated. Gallegos (1987, 1991) suggested that the San Dieguito pattern is simply an inland manifestation of a broader economic pattern. Gallegos' interpretation of San Dieguito has been widely accepted in recent years, in part because of the difficulty in distinguishing San Dieguito components from other assemblage constituents. In other words, it is easier to ignore San Dieguito as a distinct socioeconomic pattern than it is to draw it out of mixed assemblages.

The large number of finished bifaces (i.e., projectile points and non-projectile blades), along with large numbers of formal flake tools at the Harris site complex, is very different than nearly all other assemblages throughout the San Diego region, regardless of age. Warren et al. (2004) made this point, tabulating basic assemblage constituents for key early Holocene sites. Producing finely made bifaces and formal flake tools implies that relatively large amounts of time were spent for tool manufacture. Such a strategy contrasts with the expedient flake-based tools and cobble-core reduction strategy that typifies non-San Dieguito Archaic sites. It can be inferred from the uniquely high degree of San Dieguito assemblage formality that the Harris site complex represents a distinct economic strategy from non-San Dieguito assemblages.

San Dieguito sites are rare in the inland valleys, with one possible candidate, CA-RIV-2798/H, located on the shore of Lake Elsinore. Excavations at Locus B at CA-RIV-2798/H produced a toolkit consisting predominately of flaked stone tools, including crescents, projectile points, and bifaces, and lesser amounts of groundstone tools (handstones and millingstones), among other items (Grenda 1997). A calibrated and reservoir corrected radiocarbon date from a shell

produced a date of 6630 BC. Grenda (1997) suggested this site represents seasonal exploitation of lacustrine resources and small game, and resembles coastal San Dieguito assemblages and spatial patterning.

If San Dieguito truly represents a distinct socioeconomic strategy from the non-San Dieguito Archaic processing regime, its rarity implies that it was not only short-lived, but that it was not as economically successful as the Archaic strategy. Such a conclusion would fit with other trends in Southern California deserts, wherein hunting-related tools are replaced by processing tools during the early Holocene (see Basgall and Hall 1993; Basgall and McGuire 1988).

4.2.2 Archaic Period (8000 BC–AD 500)

The more than 2,500-year overlap between the presumed age of Paleoindian occupations and the Archaic period highlights the difficulty in defining a cultural chronology in the San Diego region. If San Dieguito is the only recognized Paleoindian component in the San Diego region, then the dominance of hunting tools implies that it derives from Great Basin adaptive strategies and is not necessarily a local adaptation. Warren et al. (2004) admitted as much, citing strong desert connections with San Dieguito. Thus, the Archaic pattern is the earliest local socioeconomic adaptation in the San Diego region (see Hale 2001, 2009).

The Archaic pattern is relatively easy to define with assemblages that consist primarily of processing tools: millingstones, handstones, battered cobbles, heavy crude scrapers, incipient flake-based tools, and cobble-core reduction. These assemblages occur in all environments across the San Diego region, with little variability in tool composition. Low assemblage variability over time and space among Archaic sites has been equated with cultural conservatism (see Byrd and Reddy 2002; Warren 1968; Warren et al. 2004). Despite enormous amounts of archaeological work at Archaic sites, little change in assemblage composition occurred until the bow and arrow was adopted at around AD 500, as well as ceramics at approximately the same time (Griset 1996; Hale 2009). Even then, assemblage formality remained low. After the bow was adopted, small arrow points appear in large quantities and already low amounts of formal flake tools are replaced by increasing amounts of expedient flake tools. Similarly, shaped millingstones and handstones decreased in proportion relative to expedient, unshaped ground stone tools (Hale 2009). Thus, the terminus of the Archaic period is equally as hard to define as its beginning because basic assemblage constituents and patterns of manufacturing investment remain stable, complimented only by the addition of the bow and ceramics.

4.2.3 Late Prehistoric Period (AD 500–1769)

The period of time following the Archaic and prior to ethnohistoric times (AD 1769) is commonly referred to as the Late Prehistoric (Rogers 1945; Wallace 1955; Warren et al. 2004). However, several other subdivisions continue to be used to describe various shifts in assemblage composition, including the addition of ceramics and cremation practices. In southwestern Riverside County and northern San Diego County, the post-A.D. 1450 period is called the San Luis Rey Complex (True 1980). Rogers (1929) also subdivided the last 1,000 years into the Yuman II and III cultures, based on the distribution of ceramics. Despite these regional complexes, each is defined by the addition of arrow points and ceramics, and the widespread use of bedrock mortars. Variances in the appearance of the bow and arrow and ceramics make the temporal resolution of the San Luis Rey complexes difficult. For this reason, the term Late Prehistoric is well-suited to describe the last 1,500 years of prehistory in this region.

Temporal trends in socioeconomic adaptations during the Late Prehistoric are poorly understood. This is partly due to the fact that the fundamental Late Prehistoric assemblage is very similar to the Archaic pattern, but includes arrow points, large quantities of fine debitage from producing arrow points, ceramics, and cremations. The

appearance of mortars and pestles is difficult to place in time because most mortars are found on bedrock surfaces; bowl mortars are actually rare in this region. Some argue that the ethnohistoric intensive acorn economy extends as far back as AD 500 (Bean and Shipek 1978). However, there is no substantial evidence that reliance on acorns, and the accompanying use of mortars and pestles, occurred prior to AD 1400. True (1980) argued that acorn processing and ceramic use in the northern San Diego region did not occur until the San Luis Rey pattern emerged after approximately AD 1450. Similar to True (1980), Hale (2009) argued that an acorn economy did not appear in the southern San Diego region until just prior to ethnohistoric times, and that when it did occur, a major shift in social organization followed. An acorn dependent economy likely appeared in southwestern Riverside County and Northern San Diego County around the same time, with equivalent social changes.

4.2.4 Ethnohistory

The proposed Project area lies within an area considered ancestral to the Luiseño. The Luiseño language belongs to the Cupan group of the Takic language branch of the Uto-Aztecan language family. Luiseño is a term given to Native Americans under the administration of Mission San Luis Rey, and later applied specifically to the Payomkawichum ethnic nation who were present in the region where the mission was founded. Meaning the "western people," the name Payomkawichum can also be applied to the closely related coastal Luiseño who lived north of the mission.

Luiseño territory was situated in the north half of San Diego County and the western edge of Riverside County. Their lands encompassed the southern Santa Margarita Mountains and the Palomar Mountains, and their foothills to the Pacific Ocean. The territory extended eastward into the San Jacinto Valley and the western foothills of the San Jacinto Mountains. Their neighbors to the were the Juaneño (Acjachemen) who spoke a Luiseño dialect; the Cahuilla and Cupeño to the east who spoke other Takic Cupan languages; and the Ipai (Kumeyaay) to the south who spoke a California-Delta Yuman language.

The Luiseño resided in permanent villages and associated seasonal camps. Village population ranged from 50–400 with social structure based on lineages and clans. A single lineage was generally represented in smaller villages, while multiple lineages and a dominant clan presided in larger villages. Each clan/village owned a resource territory and was politically independent, yet maintained ties to others through economic, religious, and social networks in the immediate region. There were contact period villages in the vicinity of this segment, near the towns of Vista, San Marcos, and Escondido, but researchers have been unable to place rancheria names from the mission registers with these locations.

Like other Indigenous California groups, the primary food staple was the acorn (Bean and Shipek 1978), supplemented by other plant resources, fish, shellfish, waterfowl, and marine and terrestrial mammals. Villages were situated near reliable sources of water, needed for the daily leaching of milled acorn flour. Other plant foods included pine nuts and grass seeds, manzanita, sunflower, sage, chia, lemonade berry, wild rose, holly-leaf cherry, prickly pear, and lamb's quarter. Large and small prey included deer, antelope, rabbit, jackrabbit, wood rat, mice, and ground squirrel, as well as quail, ducks, and other birds. Fish, such as trout, were caught in rivers and creeks.

The first direct European contact with the Luiseño occurred in July 1769 with the Spanish expedition led by Gaspar de Portolá. During the next six years, eight missions and forts were founded north and south of Luiseño territory. In 1776, Mission San Juan Capistrano was founded less than 10 miles north, and the populations of five northern Luiseño villages had been halved within 15 years. In 1798, Mission San Luis Rey was established within Luiseño territory, and the proselytizing among the Payomkawichum began in earnest.

Several Luiseño leaders signed the statewide 1852 treaty, locally known as the Treaty of Temecula (an interior Luiseño village), but the U.S. Congress never ratified it. By 1875, however, reservations for the Luiseño were established in the Palomar Mountains and nearby valleys, including Pala, Pauma, Rincon, Pechanga, and La Jolla.

4.3 Historic Period

Much of the area included within the City of San Marcos was originally part of Rancho Los Vallecitos de San Marcos. Before secularization of the missions, this land was one of the cattle-grazing tracts claimed by Mission San Luis Rey. In April of 1840, Governor Juan Bautista Alvarado granted the 8,877-acre Rancho Los Vallecitos de San Marcos (the Little Valleys of St. Mark) to Don José María Alvarado. Don José married Lugarda Osuna, daughter of the owner of San Dieguito Rancho, Don Juan María Osuna.

In 1846, shortly after the Battle of San Pasqual, Don José and ten other rancheros were captured by a band of Indians and taken to an Indian ranchería at Agua Caliente where they were slain (Bibb 1976; Moyer 1969:22). Lugarda later married Luis Machado, the owner of Rancho Buena Vista. It is unclear who owned Rancho Los Vallecitos de San Marcos in the years following her marriage, but in 1883 the U.S. Land Commission granted a patent to the rancho to Lorenzo Soto, who had fought against the Americans at the Battle of San Pasqual. Cave J. Couts, a former Army officer and owner of the adjacent Rancho Guajome and Buena Vista, later came into possession of the ranch. Couts ran cattle on the ranch, but did not build any substantial structures.

The transcontinental railroad connection to San Diego was completed in November 1885, resulting in an unprecedented real estate boom for San Diego City. The population of San Diego soared in the mid-1880s from a total population of 5,000 in 1885 to 40,000 in 1889 (MacPhail 1979). Settlers poured into San Diego, lured by real estate promotions offering a salubrious climate, cheap land, and the potential to realize great profits in agriculture and real estate. Speculators formed land companies and subdivided town sites throughout the county (Pourade 1964:167-191). The real estate boom also stimulated demand for agricultural land in the county, and the number of farms increased from 696 to 2,747 between 1880 and 1890 (Schaefer et al. 1994). This boom brought homesteaders to the San Marcos area. San Marcos was typical of the small agricultural communities that grew up in the hinterland of San Diego, characterized generally by widely dispersed settlements that were united by a common school district, post office, church, and general store (Van Wormer 1986a, 1986b, 1987).

Major Gustavus French Merriam from Topeka, Kansas made the first permanent settlement in the San Marcos area. Merriam homesteaded 160 acres in the north Twin Oaks Valley and began wine and honey production. German and Dutch immigrants began moving into the area in the early 1880s. In 1883 a few miles south of the settlement, John H. Barham founded the first town in the area, calling it Barham. By 1884, the town of Barham had a post office, blacksmith, feed store, and a weekly newspaper (City of San Marcos 2004). William Webster Borden published the town's first newspaper, called Our Paper and later The Plain Truth (Sherman 2001:44). Another small settlement called Buena grew up approximately 4 mi. northwest of Barham in the 1880s. By 1884, the town of Barham had a post office, blacksmith, feed store and weekly newspaper. A school was located here, but when the Vista Unified School District was formed in 1916, the former Vista, Buena, and Delpy school districts were subsumed into the new school district.

In 1887 Cave Couts' widow sold San Marcos Ranch to O. S. Hubbell, and he sold it to the San Marcos Land Company, headed by Jacob Gruendike, a San Diego Banker and his associate W. G. Jacobs, for $233,000. The San Marcos Land Company had been formed with the intention of developing a town site. The company laid out a town

site near the intersection of Grand Avenue and Rancho Santa Fe Road with 5- to 10-acre plots. A number of houses were built in addition to a hotel, post office and several stores. In 1892, there were 87 registered voters. In the late 1880s, the Santa Fe Railroad announced that it was going to lay tracks going through the valley. To the disappointment of the citizens, the tracks were laid 1 mi. away from the center of the town. The old town was abandoned in 1901, and many of the buildings were moved to the intersection of Mission and Pico (Moyer 1969:22-24). In 1903 the people of the town picked up their homes and moved a couple miles east along the railroad tracks to what now are Mission Road and Pico Avenue. By 1905, the town had every convenience, including rural mail delivery and telephone service. The first school in the area, which had started in Barham in 1880, was moved in 1889 to San Marcos. Later that same year, the Richland School was built, being the second school in San Marcos (City of San Marcos 2004).

San Marcos remained a quiet rural town through the first half of the twentieth century. While agriculture had dominated in the late 1800s and early 1900s, by the mid-1900s dairies and poultry production became a big part of the business in the town. San Marcos was chosen as the site of the future Palomar College in 1946. Classes initially took place in Vista, but Quonset huts were moved onto the San Marcos site in 1950 and the first permanent buildings were constructed in 1956. San Marcos experienced a period of growth from 1956 onward, when the first water from the Colorado River arrived. Population growth in San Marcos had been constrained by the lack of water resources in the region. The arrival of Colorado River water in the city in 1956, supplementing the existing local water supply, was a big boon to the city. After the arrival of water, several small businesses started and the population rapidly increased to 2,500. San Marcos, with a population of 3,200 residents, became incorporated on January 28, 1963. Through the 1960s, the city grew by a few thousand new residents, but in the 1970s, San Marcos was flourishing as the third-fastest growing city in the state, with a population of 17,479 by 1980. Growth has continued to boom in San Marcos, and in 2013 the population of the city was recorded at 89,387 (City of San Marcos 2004).

5 Methods

5.1 Records Search

A California Historical Resources Information Systems (CHRIS) records search of the Project area and a one-mile radius buffer was conducted by Dudek at the South Coastal Information Center (SCIC) on October 19 and November 2, 2022. The records search results indicate that 77 previous cultural resources studies have been conducted within one-mile of the Project area. Of the 77 previous studies, four studies intersect the Project area and are listed in Table 1 below. These studies consist of one archaeological report for the City of San Marcos General Plan Amendment, a cultural resources monitoring report, a draft environmental impact report, and an archaeological records search and literature review. The studies that do not intersect the area are included in a table in Confidential Appendix A. A review of the four reports indicates that approximately 10% of the Project area has been previously studied.

Table 1. Reports Intersecting Project Area

Report Number	Authors	Date	Title
SD-14140	Robbins-Wade, Mary	2003	Archaeological Records Search and Literature Review, Vallecitos Water District Master Plan Update, San Diego County, California
SD-18207	Clark, Tiffany and Christopher Duran	2019	Cultural Resources Monitoring Report for the Los Posas Creek and Grand Avenue Capital Improvement Project, City of San Marcos, San Diego County, California
SD-02043	Michael Brandman Associates, Inc.	1989	Draft Environmental Impact Report San Marcos Flood Control Channel, San Marcos Creek/Los Posas Reach SCH #88061505
SD-01031	Westec Services, Inc.	1983	Archaeological Report for Business/Industrial, Richmar, Lake San Marcos and Barham/Discovery Community Plan, San Marcos, California

Report SD-18207, Cultural Resources Monitoring Report for the Los Posas and Grand Avenue Capital Improvement Project, City of San Marcos, San Diego County, California (Clark and Duran 2019), details Rincon Consultants' discovery and treatment of CA-SDI-22954, a historic-age trash scatter. Rincon Consultants submitted an incident report to the U.S. Army Corps of Engineers (USACE), which described the resource and recommended it ineligible for listing on the NRHP due to a lack of integrity. The USACE concurred with Rincon Consultants' recommendation and determined the site is not eligible. The State Historic Preservation Officer concurred with USACE's recommendation that the site not be included in the NRHP.

The SCIC records search identified one cultural resource (CA-SDI-22954), a historic-age trash scatter, within the Project area. The site is briefly discussed in the above paragraph and in more detail below. The records search also identified 47 cultural resources within the one-mile search radius buffer outside of the Project area (Table 2). Of the total 47 resources identified in the one-mile buffer, 30 are prehistoric sites, nine are historic sites, four are prehistoric isolates, three are multicomponent sites, and one resource lacks sufficient information to discern the age (Table 2). No historic addresses are located within the Project area, however, three are located within the one-mile search radius. The results of the records search and all DPR forms are attached as part of Confidential Appendix A.

Table 2. Previously Recorded Cultural Resources in the One-Mile Record Search Radius

Primary Number	Trinomial	Age	Description	In/ Out of Project Area
P-37-039088	CA-SDI-22954	Historic	Trash Scatter	In
P-37-008816	CA-SDI-008816	Prehistoric	Lithic Scatter	Out
P-37-008815	CA-SDI-008815	Prehistoric	Lithic Scatter	Out
P-37-008814	CA-SDI-008814	Historic	Refuse Scatter	Out
P-37-011663	CA-SDI-11663	Prehistoric	Lithic Scatter	Out

Table 2. Previously Recorded Cultural Resources in the One-Mile Record Search Radius

Primary Number	Trinomial	Age	Description	In/ Out of Project Area
P-37-005633	CA-SDI-005633	Prehistoric	Lithic Scatter, Bedrock Milling, Habitation Debris	Out
P-37-005584	CA-SDI-005584	Prehistoric	Bedrock Milling	Out
P-37-005582	CA-SDI-005582	Prehistoric	Lithic Scatter	Out
P-37-005581	CA-SDI-005581	Prehistoric	Bedrock Milling, Hearths, Habitation Debris	Out
P-37-005648	CA-SDI-005648	Prehistoric	Lithic Scatter, Midden	Out
P-37-005646	CA-SDI-005646	Prehistoric	Lithic Scatter	Out
P-37-005645	CA-SDI-005645	Prehistoric	Lithic Scatter	Out
P-37-005644	CA-SDI-005644	Prehistoric	Lithic Scatter	Out
P-37-005643	CA-SDI-005643	Prehistoric	Isolate	Out
P-37-011661	CA-SDI-011661	Prehistoric	Lithic Scatter	Out
P-37-011662	CA-SDI-001162	Prehistoric	Rock Shelter, Lithic Scatter	Out
P-37-005642	CA-SDI-005642	Prehistoric	Lithic Scatter	Out
P-37-005647	CA-SDI-005647	Prehistoric	Lithic Scatter, Bedrock Milling	Out
P-37-005641	CA-SDI-005641	Multicomponent	Habitation Debris, Burial, Bedrock Milling, Lithic Scatter, Ceramic Scatter, Hearths, and Unnamed Historic Artifacts	Out
P-37-005583	CA-SDI-005583	Prehistoric	Lithic Scatter	Out
P-37-012596	CA-SDI-012596	Historic	Trash Scatter	Out
P-37-012592	CA-SDI-012592	Multicomponent	Bedrock Milling, Lithic Scatter, Trash Scatter	Out
P-37-012593	CA-SDI-012593	Multicomponent	Bedrock Milling, Lithic Scatter, Trash Scatter	Out
P-37-012594	CA-SDI-012594	Historic	Trash Scatter	Out
P-37-012595	CA-SDI-012595	Prehistoric	Bedrock Milling	Out
P-37-005632	CA-SDI-005632	Prehistoric	Bedrock Milling, Lithic Scatter	Out
P-37-008720	CA-SDI-008720	Prehistoric	Bedrock Milling	Out
P-37-011809	CA-SDI-011809	Prehistoric	Bedrock Milling	Out
P-37-012735	CA-SDI-012735	Prehistoric	Lithic Scatter	Out
P-37-005649	CA-SDI-005649	Prehistoric	Bedrock Milling, Lithic Scatter	Out
P-37-024911	CA-SDI-016492	Prehistoric	Lithic Scatter	Out
P-37-025556	CA-SDI-016971	Prehistoric	Bedrock Milling	Out
P-37-027376	CA-SDI-017897	Prehistoric	Bedrock Milling	Out
P-37-030654	CA-SDI-019473	Prehistoric	Bedrock Milling	Out
P-37-030655	CA-SDI-019474	Prehistoric	Lithic Scatter	Out
P-37-030745	CA-SDI-019524	Prehistoric	Lithic Scatter, Ceramic Scatter	Out
P-37-014950	-	Prehistoric	Isolate	Out
P-37-015064	-	Prehistoric	Isolate	Out

Table 2. Previously Recorded Cultural Resources in the One-Mile Record Search Radius

Primary Number	Trinomial	Age	Description	In/ Out of Project Area
P-37-015579	-	Prehistoric	Isolate	Out
P-37-030252	-	Historic	Single Family Property	Out
P-37-030380	-	Historic	Foundation	Out
P-37-030379	-	Historic	Foundation, Water Conveyance System	Out
P-37-032160	CA-SDI-020363	Prehistoric	Habitation debris, Lithic Scatter	Out
P-37-036141	-	Historic	Commercial Building	Out
P-37-011809	CA-SDI-011809	Prehistoric	Bedrock Milling	Out
P-37-033557	-	Historic	Highway	Out
P-37-036501	CA-SDI-022095	Historic	Foundation Pad	Out

CA-SDI-22954

CA-SDI-22954 consists of a historic-age trash scatter that was originally identified during cultural monitoring for the Los Posas Creek and Grand Avenue Capital Improvement Project in San Marcos in 2019 by Rincon Consultants. CA-SDI-22954 was recorded in the northern-central component of the current Project area, just south of Grand Avenue along the eastern bank of Los Posas Creek. It measures approximately 50 feet long (N/S) by 10 feet wide (E/W). The site consisted of approximately 60-70 artifacts, including bottle glass fragments (clear, brown, opaque, and blue), metal fragments, and a select few transfer print ceramics. Rincon Consultants' preliminary analysis of the makers' marks on several bottle bases suggested the artifacts likely dated to the 1920s and 1930s. Modern debris, such as a cassette tape and a few plastic bottles, were found intermixed with the historic trash scatter and suggested site disturbance. Rincon Consultants concluded that the site was probably an opportunistic dumping event. Rincon Consultants was also unable to associate the artifacts with a particular event or person. Due to the site's lack of integrity and disturbed nature, as well as the inability to directly associate the trash scatter with a particular event or person, the Rincon also recommended the site did not meet the eligibility requirements for listing on the NRHP under any criteria.

5.2 Archival Research

In addition to the SCIC records search, Dudek conducted an online review of historic aerial photographs of the Project area and general vicinity, to help determine the possible development and land use of the Project area in the past. Thirty-six historic aerial photographs of the Project area were available at various years from 1938 to 2020 (NETR 2022). The historic aerial photograph from 1938 reveals the Project area had a road intersecting the northwestern component of the Project area. It also appears that Grand Avenue is at the northern end of the Project boundary, and it was possibly paved. There also appears to be Las Posas Creek in the northern and central components of the Project area. No structures or land modifications (other than the roads) are identifiable in the image. The 1947 and 1953 aerials do not reveal any changes to the Project area. The 1964 aerial photo reveals approximately five small buildings, possibly residential buildings, adjacent to Grand Avenue at the northwest and northern sections of the Project area. The photograph also shows two small buildings, again possibly residential

buildings, near the southern section of the Project area, and the development of what appears to be present day Linda Vista Drive. The 1967 aerial photograph does not reveal significant changes. The 1978 aerial photograph shows more development in the center and northwestern sections of the Project area, as evidenced by a few more structures. The 1980 aerial photograph displays more distinct building development in the eastern section of the Project area. The 1980 aerial photograph also displays the possible demolition (or renovation/expansion) of at least two or three structures that began being visible in the 1964 aerial photograph, near the northern and southern aspects of the Project area. The 1981 through 1986 aerial photographs do not depict significant changes within the Project area. The 1987 aerial photograph possibly exhibits more building development in the central aspect of the Project area. The aerial photographs from 1988 through 1994 do not appear to reveal substantial changes within the Project area. The 1995 aerial photograph reveals slightly more building development within the Project area. The 1996 through 2010 historic aerial photographs do not indicate substantial changes to the Project area. The 2012 aerial photograph reveals structural demolition. The buildings that were demolished were near or at the northern, northwest, central, and eastern aspects of the Project area, which appear to be vacant pads in the 2012 aerial photograph. The buildings that were demolished generally begin appearing at the 1978 aerial photograph and continue increasing in number as the years progress, thus pointing to the likely destruction of modern structures by around 2012. The 2012 aerial photograph also displays the apparent demolition of the remaining structures from the 1964 photograph. The 2014 to 2020 aerial photographs do not appear to display significant changes to the Project area. The most recent 2020 aerial photograph does not display any structures within the Project area.

Historic topographic (topo) maps of the Project area also were reviewed. There are 18 topos available from various years from 1893 to 2018. The 1893 through 1965 topo maps do not show significant development within the Project area. The 1970 and 1979 topo maps reveal three structures within the Project area, and the structures generally resemble residential houses. The structures' locations on the 1970 and 1979 topographic maps appear to match the historical aerial photograph from 1964. The 1983 topographic map shows approximately ten new structures inside the Project area, which vary in size and generally correspond to the 1978 aerial photographs. The 2000 to 2018 topographic maps do not show substantial new development. The most recent topographic map from 2018 does not display any structures within the Project area.

5.3 Geotechnical Report Review

Geotek, Inc. conducted a geotechnical evaluation for the Project area in 2021. The evaluation included the summaries of previous geotechnical reports from earlier investigations within the Project area. The results of the reviews are summarized below.

Geobase, Inc. conducted investigations for the property next to the Project's southwest corner in 1990. Geobase's investigation consisted of two exploratory borings to a maximum depth of 20 feet below the surface. The boring logs for Geobase indicated about 1 to 1.5 feet of fill. Natural soils were encountered that consisted of "very stiff to hard sand clay, atop siltstone/sandstone bedrock at depths of about 4 to 4.5 feet" (Geotek 2021). Groundwater was recorded at 16.5-17 feet below grade.

In 1997, Vinje & Middleton Engineering, Inc., excavated four exploratory trenches were excavated to depths of between 8.5 to 10.5 feet below grade inside the northern-central portion of the current Project area, adjacent to Las Posas Creek (Geotek 2021). The investigation recorded 1.5 to 2 feet of fill within the trenches, which consisted of sandy to clayey soils. Alluvial deposits consisting of clays and interbedded sands were recorded below the fill

from approximately 6 feet below the surface. Bedrock, which consisted of sandstone and claystone, was recorded from 6 to 8.5 feet below the surface (Geotek 2021).

Geotek, Inc. also conducted geotechnical investigations within the Project area in April, May, and October of 2020. The investigations consisted of six hollow stem auger borings, eight percolation tests, and ten concrete core samples at various locations throughout the Project area (Geotek 2021). The borings maximum depth was between 10 to 50 feet below the surface. Half of the boring tests yielded a thin layer of asphalt on the surface. The investigations generally yielded asphalt (including a silty sand asphalt base) at maximum depths ranging from 3 inches to 8 inches below ground surface (bgs), artificial fill (sandy clay cuttings and clayey sand cuttings) at maximum depths ranging from 4 feet to 5 feet bgs, older alluvium (sandy clay and clayey sand with some silty sand) at maximum depths ranging from 4 feet to 5 feet bgs, and the beginning of the Santiago Formation (bedrock consisting of hard sandstone, clayey sandstone, and sandy claystone) at depths ranging from 4 feet to 10 feet bgs (Geotek 2021).

5.4 NAHC and Tribal Correspondence

Dudek requested a Native American Heritage Commission (NAHC) search of the Sacred Lands File (SLF) on October 10, 2022, for the Project area. The SLF consists of a database of known Native American resources. These resources may not be included in the SCIC database. The NAHC responded on November 30, 2022. The results were negative. The NAHC also provided a contact list of Native American representatives for tribes that are traditionally affiliated with the Project area. Outreach letters with a map and description of the planned Project were sent to these individuals and organizations on December 13, 2022. To date, one letter response has been received. A response was received by the San Pasqual Band of Mission Indians on January 13, 2023, which stated that the Project area is within the Tribe's Traditional Use Area, and the Tribe desires to engage in formal government to government consultation. Any additional tribal correspondence received will be forwarded to the City and included in the subsequent drafts of this report.

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

5.5 Intensive Pedestrian Survey

The intensive pedestrian survey was conducted by Dudek archaeologist David Faith on October 28, 2022, using standard archaeological procedures and techniques that meet the Secretary of Interior's standards and guidelines for cultural resources inventory. Jessica Alexander, a Luiseño monitor with Saving Sacred Sites, was also present during the entire pedestrian survey. The intensive level survey methods consisted of a walking 10 meter-wide transects across the Project area. The ground surface was examined for prehistoric artifacts (e.g., flaked stone tools, tool-making debris, stone milling tools, ceramics, fire-affected rock), soil discoloration that might indicate the presence of a cultural midden, soil depressions, features indicative of the current or former presence of structures or buildings (e.g., standing exterior walls, post holes, foundations), and historic-age artifacts (e.g., metal, glass, ceramics, building materials). Ground disturbances such as burrows, cut banks, and drainages were also visually inspected for exposed subsurface materials.

The Project area is significantly disturbed. Disturbances include several push piles, billboards, wood debris, drainage culverts, gravel piles, and restoration along Las Posas Creek. The western component of the Project area

shows evidence of being graded as evidenced by an elevated earthen berm adjacent to the bridge. The Project area is generally flat with little to no topographic variation. Asphalt covers most of the eastern and southern portions of the Project area. The western half of the Project area is a vacant field. Las Posas Creek transects the Project area from the north to the southwest corner near the southwest corner of the Project area. There is a modern-looking bridge that spans over the creek as well. Visibility within the entire Project area was excellent (80-100 %) in areas with no dense vegetation present. The only exception is near Las Posas Creek, which was low visibility (0-20%). The primary vegetation noted included tumbleweeds, low-lying dry grasses, and cat tails near Las Posas Creek.

Dudek revisited the location where CA-SDI-22954 was previously recorded and did not reidentify the site. No artifacts or features were identified within the site boundary during the current survey. Modern culverts slope contouring were present near the mapped location of CA-SDI-22954, which is likely associated with restoration work along the banks of Los Posas Creek. It appears that CA-SDI-22954, which was originally observed during a monitoring program, was destroyed as a result of the restoration work associated with Los Posas Creek for the Los Posas Creek and Grand Avenue Capital Improvement. .

No cultural artifacts or features were observed during the pedestrian survey. Further, the tribal monitor, Jessica Alexander, did not express any concerns during the pedestrian survey.

6 Summary and Management Considerations

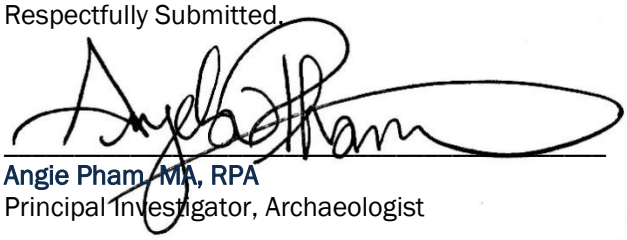
6.1 Archaeological Recommendations

Dudek's archaeological resources inventory of the Project indicates that there is moderate sensitivity for identifying intact subsurface archaeological deposits during Project implementation. The SCIC records search identified one cultural resource, CA-SDI-22954, a historic-age trash scatter, within the Project area. CA-SDI-22954 was previously evaluated and determined to not be eligible for listing on the NRHP, however, it was not evaluated under CEQA or CRHR. The current pedestrian survey did not relocate CA-SDI-22954 or any other cultural resources within the Project area. Dudek determined that CA-SDI-22954 was destroyed by the restoration work associated with Los Posas Creek. Since CA-SDI-22954 was destroyed, it is not a historical resource as defined under CEQA. No further studies or mitigation is necessary for CA-SDI-22954. In addition, the records search identified 47 cultural resources within one-mile of the Project area. The presence of cultural resources located within the vicinity of Project area indicates that the surrounding area has been utilized extensively prehistorically and historically.

Based on historic aerials and Geotech investigations, the Project area was graded and developed between 1964 and 1987 to its current configuration. Fill soil material is located over older alluvium throughout the Project area to a depth of 4 feet below surface. No intact prehistoric or historic-age resources will be present within the fill sediment; however, because a previous resource was present within the Project area (CA-SDI-22954) and other cultural resources located within the one-mile search buffer, there is a potential to encounter cultural resources within the older alluvium sediments below the fill. Dudek recommends cultural resources monitoring, consisting of a qualified archaeological monitor and Luiseno Native American monitor, during all initial ground disturbing activities within the older alluvium sediments (below the fill). Monitoring can be reduced or terminated if no discoveries are made or if documentation is provided which demonstrates that ground-disturbing activities will be occurring in sediments with no potential for cultural resources. Archaeological monitoring is not recommended for ground disturbing activities in the fill as there is no potential for intact cultural resources within that stratum.

Should you have any questions relating to this report and its findings, please do not hesitate to contact me at 442.232.7313 or dfaith@dudek.com.

Respectfully Submitted,



Angie Pham, MA, RPA
Principal Investigator, Archaeologist

David Faith, M.A., RPA
Archaeologist

Att.: *Figure 1, Project Location*
Figure 2, Project Area Map
Figure 3. Overview of the eastern and central portions of Project area, facing west
Figure 4. Overview of the easternmost portion of Project area, facing west.
Figure 5. Overview of the western portion of the Project area, view north.
Confidential Appendix A, SCIC Records Search Results
Appendix B, Tribal Correspondence
Confidential Appendix C, Updated DPR
cc: *Angie Pham, Vanessa Scheidel, Micah Hale, Dudek*

7 References

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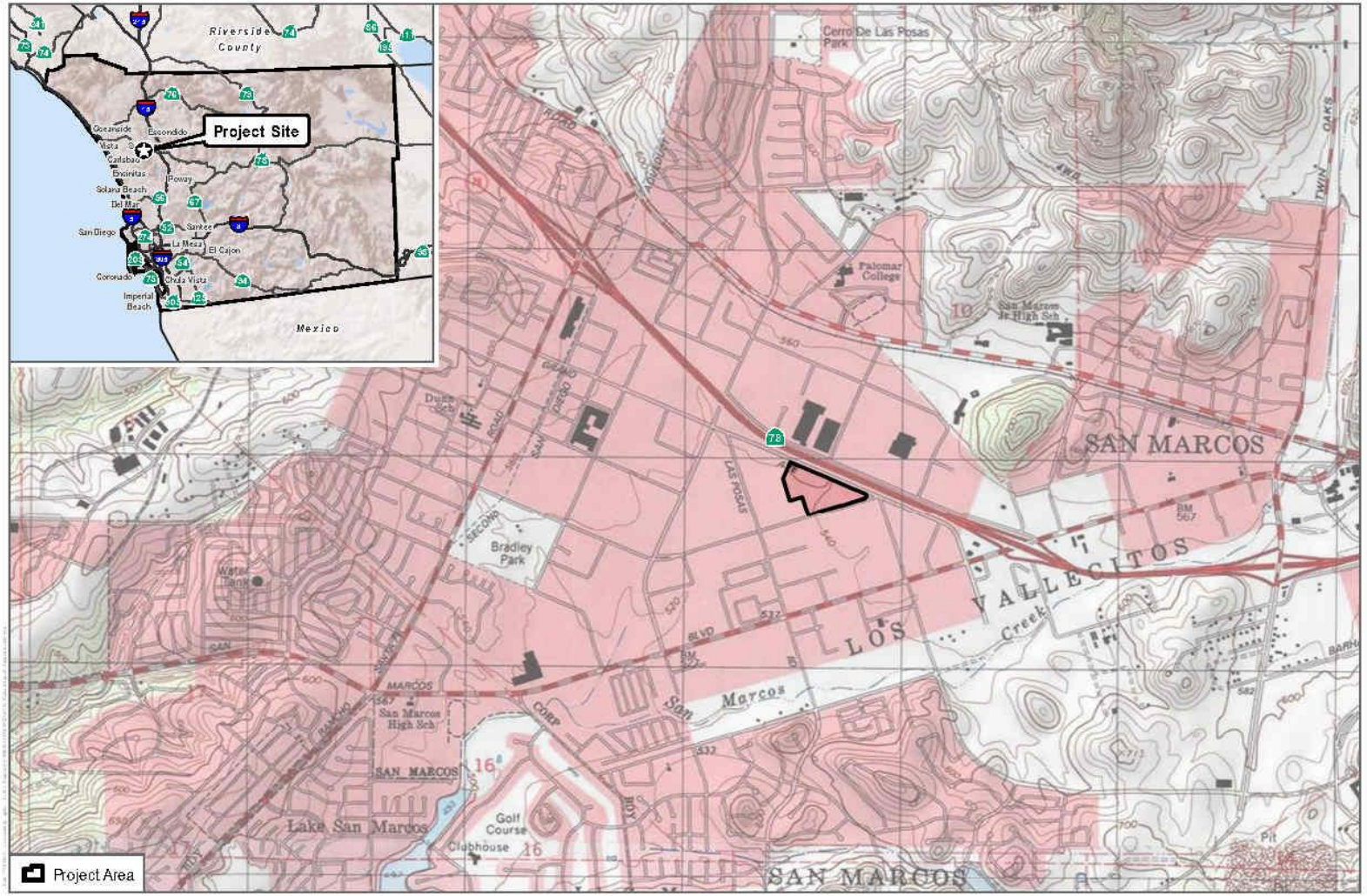

SOURCE: USGS 7.5-Minute Series Rancho Santa Fe, San Marcos Quadrangles; SANGIS 2022

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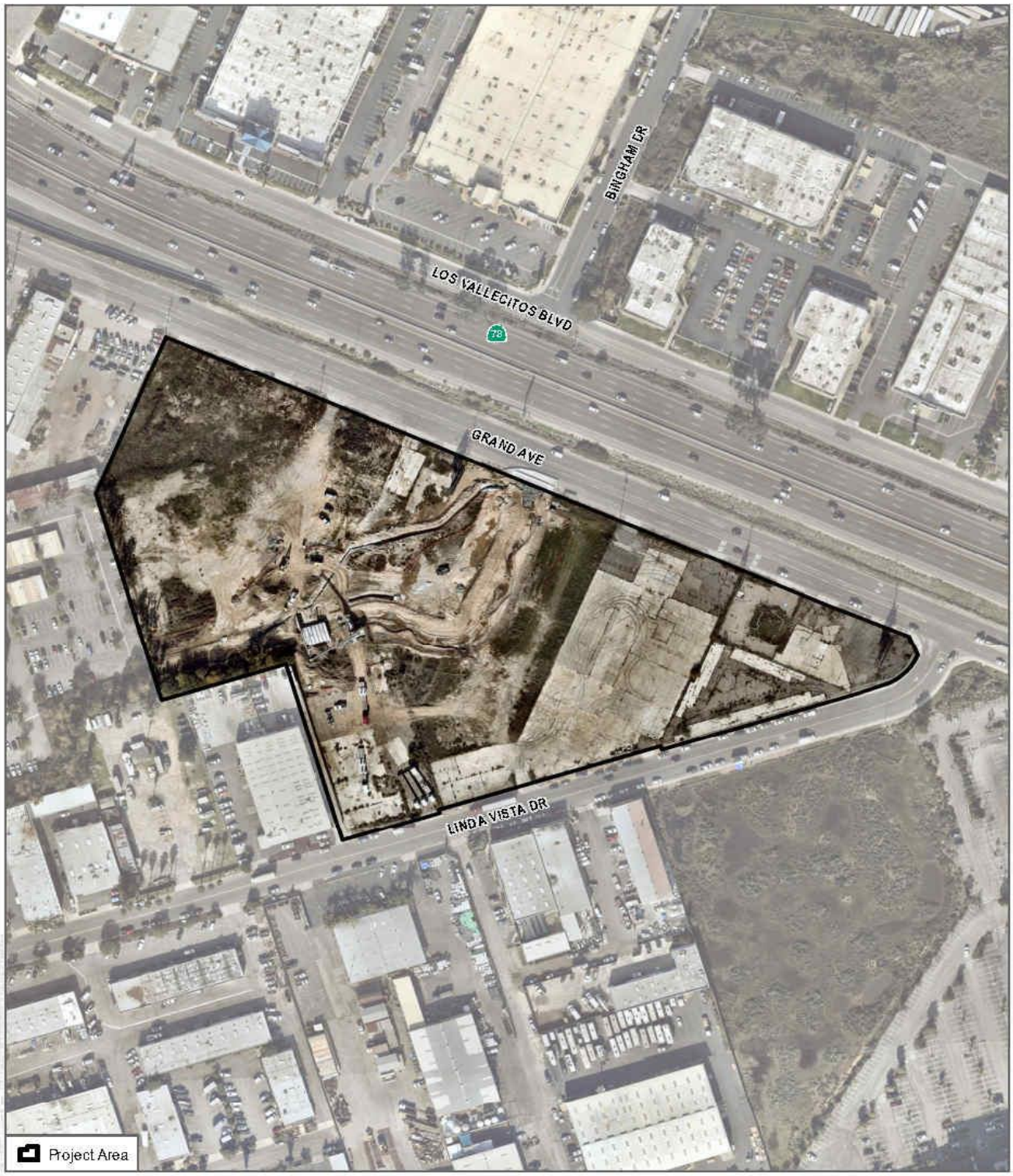
FIGURE 1
Project Location
Marcos Specific Plan Project



SOURCE: SANGIS 2020, 2022

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FIGURE 2
Study Area
Marcos Specific Plan Project

Figure 3 Overview of the eastern and central portions of Project area, facing west.

Figure 4 Overview of the easternmost portion of Project area, facing west.

Figure 5 Overview of the western portion of the Project area, view north.

Confidential Appendix A

SCIC Records Search Results

Appendix B

NAHC Correspondence and Tribal Outreach

DUDEK

MAIN OFFICE
605 THIRD STREET
ENCINITAS, CALIFORNIA 92024
T 760.942.5147 T 800.450.1818 F 760.632.0164

October 10, 2022

NAHC Staff
Associate Government Program Analyst
Native American Heritage Commission

Subject: ***NAHC Sacred Lands File Records Search Request for the Marcos Specific Plan Project, City of San Marcos, California***

Dear NAHC Staff,

The Marcos Specific Plan Project is being proposed in the city of San Marcos, San Diego County, California. The proposed Project is located at the corner of Grand Avenue and Linda Vista Avenue. The proposed Project would include the development of 102,000 square feet of commercial uses consisting of office, retail, restaurant, event, studio, gallery, and creative spaces with outdoor walkways and patios. The proposed Project area comprises approximately 6.54 acres. This area falls within the following PLSS area: Township12S/Range 3W, Section 10; 7.5-minute Series San Marcos, Rancho Santa Fe Quadrangles, CA 1:24,000 USGS maps (Figure 1).

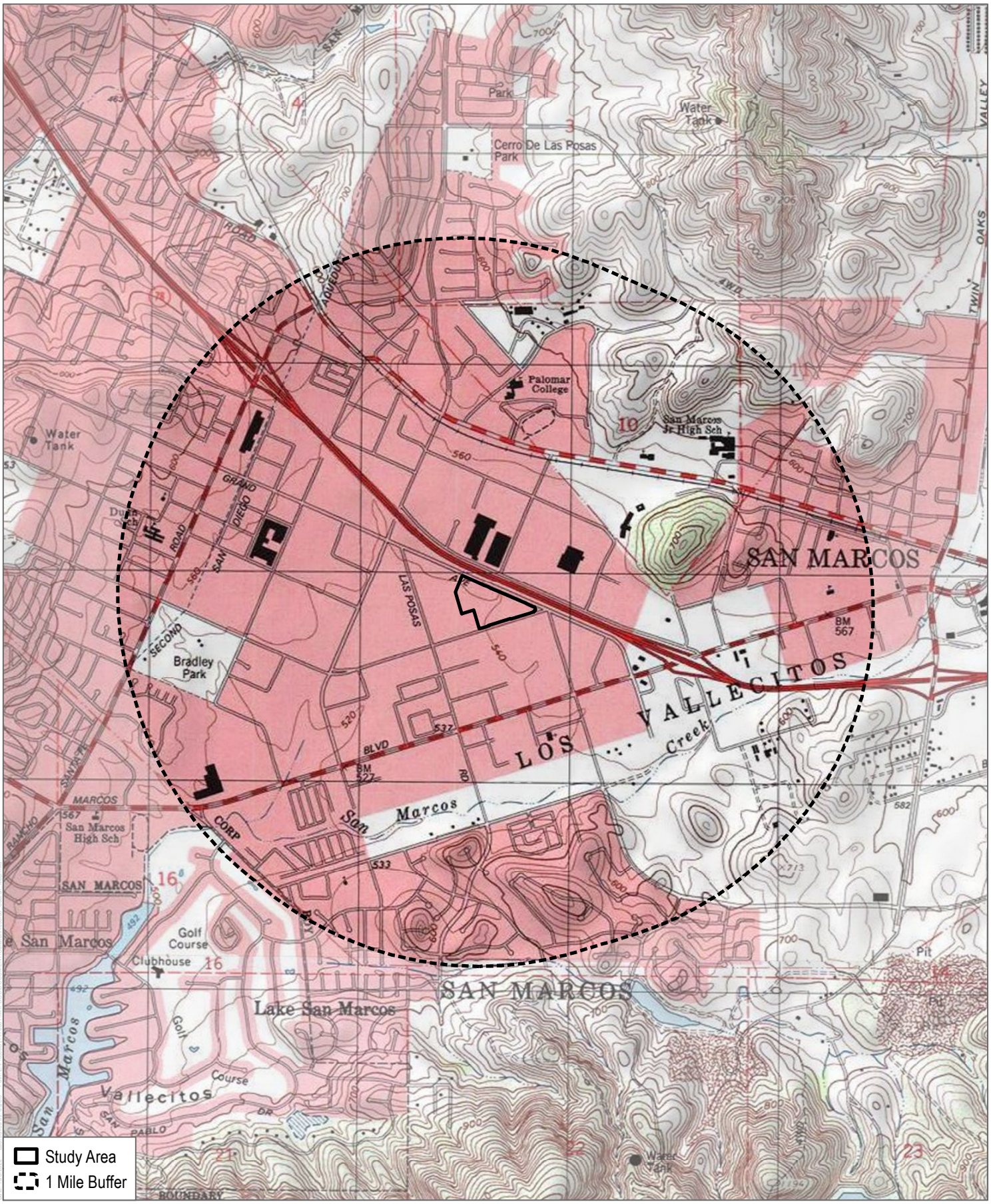
Dudek is requesting a NAHC search for any sacred sites or other Native American cultural resources that may fall within the proposed project location or a surrounding one-mile buffer. Please provide a Contact List with all Native American tribal representatives that may have traditional interests in this parcel or the surrounding search area. The results of this search can be emailed to me at dfaith@dudek.com.

If you have any questions relating to this investigation, please contact me directly by email or phone.

Regards,

David Faith, M.A., R.P.A.
Archaeologist
DUDEK
Cell: (442) 232-7313
Email: dfaith@dudek.com

Attachments:
Figure 1. SLF Records Search Request Map



SOURCE: USGS 7.5-Minute Series San Marcos, Rancho Santa Fe Quadrangles
Township 12S; Range 3W; Sections 03, 04, 09, 10, 11, 14, 15, 16

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Records Search

Marcos Specific Plan Project

NATIVE AMERICAN HERITAGE COMMISSION

CHAIRPERSON
Laura Miranda
Luiseño

VICE CHAIRPERSON
Reginald Pagaling
Chumash

SECRETARY
Sara Dutschke
Miwok

COMMISSIONER
Isaac Bojorquez
Ohlone-Costanoan

COMMISSIONER
Buffy McQuillen
Yokayo Pomo, Yuki, Nomlaki

COMMISSIONER
Wayne Nelson
Luiseño

COMMISSIONER
Stanley Rodriguez
Kumeyaay

COMMISSIONER
[VAVANT]

COMMISSIONER
[VACANT]

EXECUTIVE SECRETARY
Raymond C. Hitchcock
Miwok/Nisenan

NAHC HEADQUARTERS
1550 Harbor Boulevard
Suite 100
West Sacramento,
California 95691
(916) 373-3710
nahc@nahc.ca.gov
NAHC.ca.gov

November 30, 2022

David Faith
Dudek

Via Email to: dfaith@dudek.com

Re: Marcos Specific Plan Project, San Diego County

Dear Mr. Faith:

A record search of the Native American Heritage Commission (NAHC) Sacred Lands File (SLF) was completed for the information you have submitted for the above referenced project. The results were negative. However, the absence of specific site information in the SLF does not indicate the absence of cultural resources in any project area. Other sources of cultural resources should also be contacted for information regarding known and recorded sites.

Attached is a list of Native American tribes who may also have knowledge of cultural resources in the project area. This list should provide a starting place in locating areas of potential adverse impact within the proposed project area. I suggest you contact all of those indicated; if they cannot supply information, they might recommend others with specific knowledge. By contacting all those listed, your organization will be better able to respond to claims of failure to consult with the appropriate tribe. If a response has not been received within two weeks of notification, the Commission requests that you follow-up with a telephone call or email to ensure that the project information has been received.

If you receive notification of change of addresses and phone numbers from tribes, please notify me. With your assistance, we can assure that our lists contain current information.

If you have any questions or need additional information, please contact me at my email address: Pricilla.Torres-Fuentes@nahc.ca.gov.

Sincerely,

Pricilla Torres-Fuentes

Pricilla Torres-Fuentes
Cultural Resources Analyst

Attachment

Native American Heritage Commission
Native American Contact List
San Diego County
11/30/2022

Barona Group of the Capitan Grande
Raymond Welch, Chairperson
1095 Barona Road Diegueno
Lakeside, CA, 92040
Phone: (619) 443 - 6612
Fax: (619) 443-0681
counciloffice@barona-nsn.gov

Campo Band of Diegueno Mission Indians
Ralph Goff, Chairperson
36190 Church Road, Suite 1 Diegueno
Campo, CA, 91906
Phone: (619) 478 - 9046
Fax: (619) 478-5818
rgoff@campo-nsn.gov

Ewiiaapaayp Band of Kumeyaay Indians
Michael Garcia, Vice Chairperson
4054 Willows Road Diegueno
Alpine, CA, 91901
Phone: (619) 933 - 2200
Fax: (619) 445-9126
michaelg@leaningrock.net

Ewiiaapaayp Band of Kumeyaay Indians
Robert Pinto, Chairperson
4054 Willows Road Diegueno
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Phone: (619) 368 - 4382
Fax: (619) 445-9126
ceo@ebki-nsn.gov

Iipay Nation of Santa Ysabel
Clint Linton, Director of Cultural Resources
P.O. Box 507 Diegueno
Santa Ysabel, CA, 92070
Phone: (760) 803 - 5694
clint@redtailenvironmental.com

Iipay Nation of Santa Ysabel
Virgil Perez, Chairperson
P.O. Box 130 Diegueno
Santa Ysabel, CA, 92070
Phone: (760) 765 - 0845
Fax: (760) 765-0320

Inaja-Cosmit Band of Indians
Rebecca Osuna, Chairperson
2005 S. Escondido Blvd. Diegueno
Escondido, CA, 92025
Phone: (760) 737 - 7628
Fax: (760) 747-8568

Jamul Indian Village
Lisa Cumper, Tribal Historic Preservation Officer
P.O. Box 612 Diegueno
Jamul, CA, 91935
Phone: (619) 669 - 4855
lcumper@jiv-nsn.gov

Jamul Indian Village
Erica Pinto, Chairperson
P.O. Box 612 Diegueno
Jamul, CA, 91935
Phone: (619) 669 - 4785
Fax: (619) 669-4817
epinto@jiv-nsn.gov

Kwaaymii Laguna Band of Mission Indians
Carmen Lucas,
P.O. Box 775 Kwaaymii
Pine Valley, CA, 91962 Diegueno
Phone: (619) 709 - 4207

La Jolla Band of Luiseno Indians
Norma Contreras, Chairperson
22000 Highway 76 Luiseno
Pauma Valley, CA, 92061
Phone: (760) 742 - 3771

La Posta Band of Diegueno Mission Indians
Gwendolyn Parada, Chairperson
8 Crestwood Road Diegueno
Boulevard, CA, 91905
Phone: (619) 478 - 2113
Fax: (619) 478-2125
LP13boots@aol.com

This list is current only as of the date of this document. Distribution of this list does not relieve any person of statutory responsibility as defined in Section 7050.5 of the Health and Safety Code, Section 5097.94 of the Public Resource Section 5097.98 of the Public Resources Code.

This list is only applicable for contacting local Native Americans with regard to cultural resources assessment for the proposed Marcos Specific Plan Project, San Diego County.

La Posta Band of Diegueno Mission Indians
Javaughn Miller, Tribal Administrator
8 Crestwood Road — Diegueno
Boulevard, CA, 91905
Phone: (619) 478 - 2113
Fax: (619) 478-2125
jmiller@LPtribe.net

Manzanita Band of Kumeyaay Nation
Angela Elliott Santos, Chairperson
P.O. Box 1302 — Diegueno
Boulevard, CA, 91905
Phone: (619) 766 - 4930
Fax: (619) 766-4957

Mesa Grande Band of Diegueno Mission Indians
Michael Linton, Chairperson
P.O Box 270 — Diegueno
Santa Ysabel, CA, 92070
Phone: (760) 782 - 3818
Fax: (760) 782-9092
mesagrandeband@msn.com

Pala Band of Mission Indians
Shasta Gaughen, Tribal Historic Preservation Officer
PMB 50, 35008 Pala Temecula Rd. — Cupeno, Luiseno
Pala, CA, 92059
Phone: (760) 891 - 3515
Fax: (760) 742-3189
sgaughen@palatribe.com

Pauma Band of Luiseno Indians
Temet Aguilar, Chairperson
P.O. Box 369 — Luiseno
Pauma Valley, CA, 92061
Phone: (760) 742 - 1289
Fax: (760) 742-3422
bennaecalac@aol.com

Pechanga Band of Indians
Paul Macarro, Cultural Resources Coordinator
P.O. Box 1477 — Luiseno
Temecula, CA, 92593
Phone: (951) 770 - 6306
Fax: (951) 506-9491
pmacarro@pechanga-nsn.gov

Pechanga Band of Indians
Mark Macarro, Chairperson
P.O. Box 1477 — Luiseno
Temecula, CA, 92593
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Rincon Band of Luiseno Indians
Bo Mazzetti, Chairperson
One Government Center Lane — Luiseno
Valley Center, CA, 92082
Phone: (760) 749 - 1051
Fax: (760) 749-5144
bomazzetti@aol.com

Rincon Band of Luiseno Indians
Cheryl Madrigal, Tribal Historic Preservation Officer
One Government Center Lane — Luiseno
Valley Center, CA, 92082
Phone: (760) 297 - 2635
crd@rincon-nsn.gov

San Luis Rey Band of Mission Indians
San Luis Rey, Tribal Council
1889 Sunset Drive — Luiseno
Vista, CA, 92081
Phone: (760) 724 - 8505
Fax: (760) 724-2172
cjmojado@slrmissionindians.org

San Luis Rey Band of Mission Indians
1889 Sunset Drive — Luiseno
Vista, CA, 92081
Phone: (760) 724 - 8505
Fax: (760) 724-2172
cjmojado@slrmissionindians.org

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Native American Heritage Commission
Native American Contact List
San Diego County
11/30/2022

San Pasqual Band of Diegueno Mission Indians
John Flores, Environmental Coordinator
P. O. Box 365 — Diegueno
Valley Center, CA, 92082
Phone: (760) 749 - 3200
Fax: (760) 749-3876
johnf@sanpasqualtribe.org

San Pasqual Band of Diegueno Mission Indians
Allen Lawson, Chairperson
P.O. Box 365 — Diegueno
Valley Center, CA, 92082
Phone: (760) 749 - 3200
Fax: (760) 749-3876
allenl@sanpasqualtribe.org

Soboba Band of Luiseno Indians
Isaiah Vivanco, Chairperson
P. O. Box 487 — Cahuilla
San Jacinto, CA, 92581 — Luiseno
Phone: (951) 654 - 5544
Fax: (951) 654-4198
ivivanco@soboba-nsn.gov

Soboba Band of Luiseno Indians
Joseph Ontiveros, Cultural Resource Department
P.O. BOX 487 — Cahuilla
San Jacinto, CA, 92581 — Luiseno
Phone: (951) 663 - 5279
Fax: (951) 654-4198
jontiveros@soboba-nsn.gov

Sycuan Band of the Kumeyaay Nation
Kristie Orosco, Kumeyaay Resource Specialist
1 Kwaaypaay Court — Kumeyaay
El Cajon, CA, 92019
Phone: (619) 445 - 6917

Sycuan Band of the Kumeyaay Nation
Cody Martinez, Chairperson
1 Kwaaypaay Court — Kumeyaay
El Cajon, CA, 92019
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Fax: (619) 445-1927
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Viejas Band of Kumeyaay Indians
John Christman, Chairperson
1 Viejas Grade Road — Diegueno
Alpine, CA, 91901
Phone: (619) 445 - 3810
Fax: (619) 445-5337

Viejas Band of Kumeyaay Indians
Ernest Pingleton, Tribal Historic Officer, Resource Management
1 Viejas Grade Road — Diegueno
Alpine, CA, 91901
Phone: (619) 659 - 2314
epingleton@viejas-nsn.gov

This list is current only as of the date of this document. Distribution of this list does not relieve any person of statutory responsibility as defined in Section 7050.5 of the Health and Safety Code, Section 5097.94 of the Public Resource Section 5097.98 of the Public Resources Code.

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DUDEK

MAIN OFFICE
605 THIRD STREET
ENCINITAS, CALIFORNIA 92024
T 760.942.5147 T 800.450.1818 F 760.632.0164

December 13, 2022

Mr. Temet Aguilar, Chairperson
Pauma & Yuima Reservation
P.O. Box 369
Pauma Valley, CA 92061

Subject: ***Information Request for the San Marcos Specific Plan Project in San Marcos, California***

Dear Mr. Aguilar,

The Marcos Specific Plan Project is being proposed in the city of San Marcos, San Diego County, California. The proposed Project is located at the corner of Grand Avenue and Linda Vista Avenue. The proposed Project would include the development of 102,000 square feet of commercial uses consisting of office, retail, restaurant, event, studio, gallery, and creative spaces with outdoor walkways and patios. The proposed Project area comprises approximately 6.54 acres. This area falls within the following PLSS area: Township12S/Range 3W, Section 10; 7.5-minute Series San Marcos, Rancho Santa Fe Quadrangles, CA 1:24,000 USGS maps (Figure 1).

As part of the cultural resources study prepared for the proposed project, Dudek contacted the California Native American Heritage Commission (NAHC) to request a Sacred Lands File (SLF) search and a list of Native American individuals and/or tribal organizations who may have knowledge of cultural resources in or near the proposed project area. The NAHC emailed a response on November 30, 2022, which stated that the SLF search did not identify the presence of Native American cultural resources in the immediate project area.

The NAHC recommended that we contact you regarding your knowledge of the presence of cultural resources that may be impacted by this project. If you have any knowledge of cultural resources that may exist within or near the proposed project area, please contact me directly at (760) 479-4855 or at apham@dudek.com within 30 days of receipt of this letter.

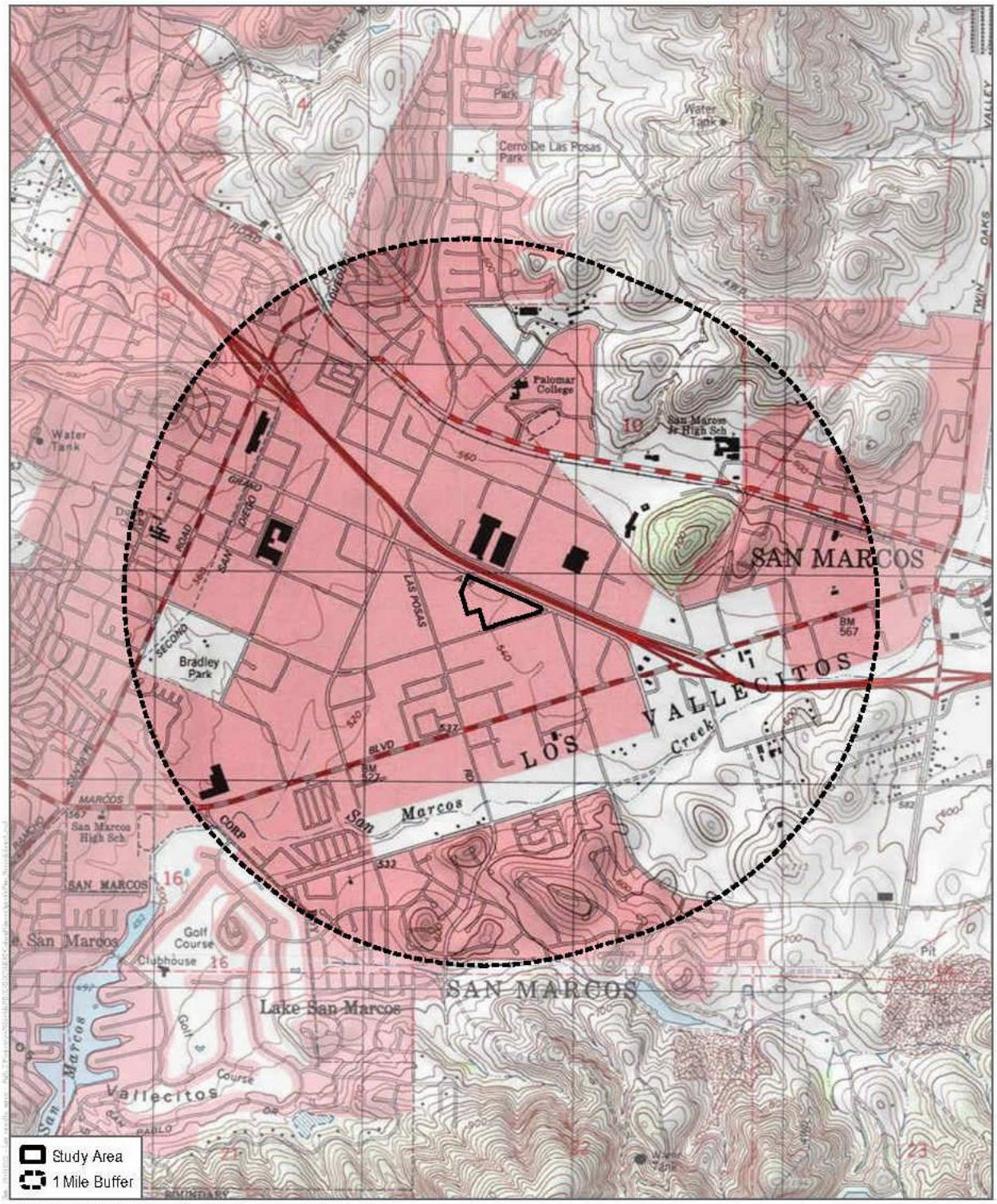
Please note that this letter does not constitute Assembly Bill (AB) 52 notification or initiation of consultation. AB 52 is a process between the lead agency and California Native American Tribes concerning potential impacts to tribal cultural resources. Tribes that wish to be notified of projects for the purposes of AB 52 must contact the lead agency, City of San Marcos, in writing (pursuant to Public Resources Code Section 21080.3.1 (b)).

Respectfully,

_____

David Faith, M.A., RPA
Archaeologist
DUDEK
Email:dfaith@dudek.com

Attachments: *Figure 1. Records search area Map.*



SOURCE: USGS 7.5-Minute Series San Marcos, Rancho Santa Fe Quadrangles
Township 12S; Range 3W; Section 10

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Records Search
Marcos Specific Plan Project

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ENCINITAS, CALIFORNIA 92024
T 760.942.5147 T 800.450.1818 F 760.632.0164

December 13, 2022

Mr. John Christman, Chairperson
Viejas Band of Kumeyaay Indians
1 Viejas Grade Rd.
Alpine, CA 91901

Subject: ***Information Request for the San Marcos Specific Plan Project in San Marcos, California***

Dear Mr. Christman,

The Marcos Specific Plan Project is being proposed in the city of San Marcos, San Diego County, California. The proposed Project is located at the corner of Grand Avenue and Linda Vista Avenue. The proposed Project would include the development of 102,000 square feet of commercial uses consisting of office, retail, restaurant, event, studio, gallery, and creative spaces with outdoor walkways and patios. The proposed Project area comprises approximately 6.54 acres. This area falls within the following PLSS area: Township12S/Range 3W, Section 10; 7.5-minute Series San Marcos, Rancho Santa Fe Quadrangles, CA 1:24,000 USGS maps (Figure 1).

As part of the cultural resources study prepared for the proposed project, Dudek contacted the California Native American Heritage Commission (NAHC) to request a Sacred Lands File (SLF) search and a list of Native American individuals and/or tribal organizations who may have knowledge of cultural resources in or near the proposed project area. The NAHC emailed a response on November 30, 2022, which stated that the SLF search did not identify the presence of Native American cultural resources in the immediate project area.

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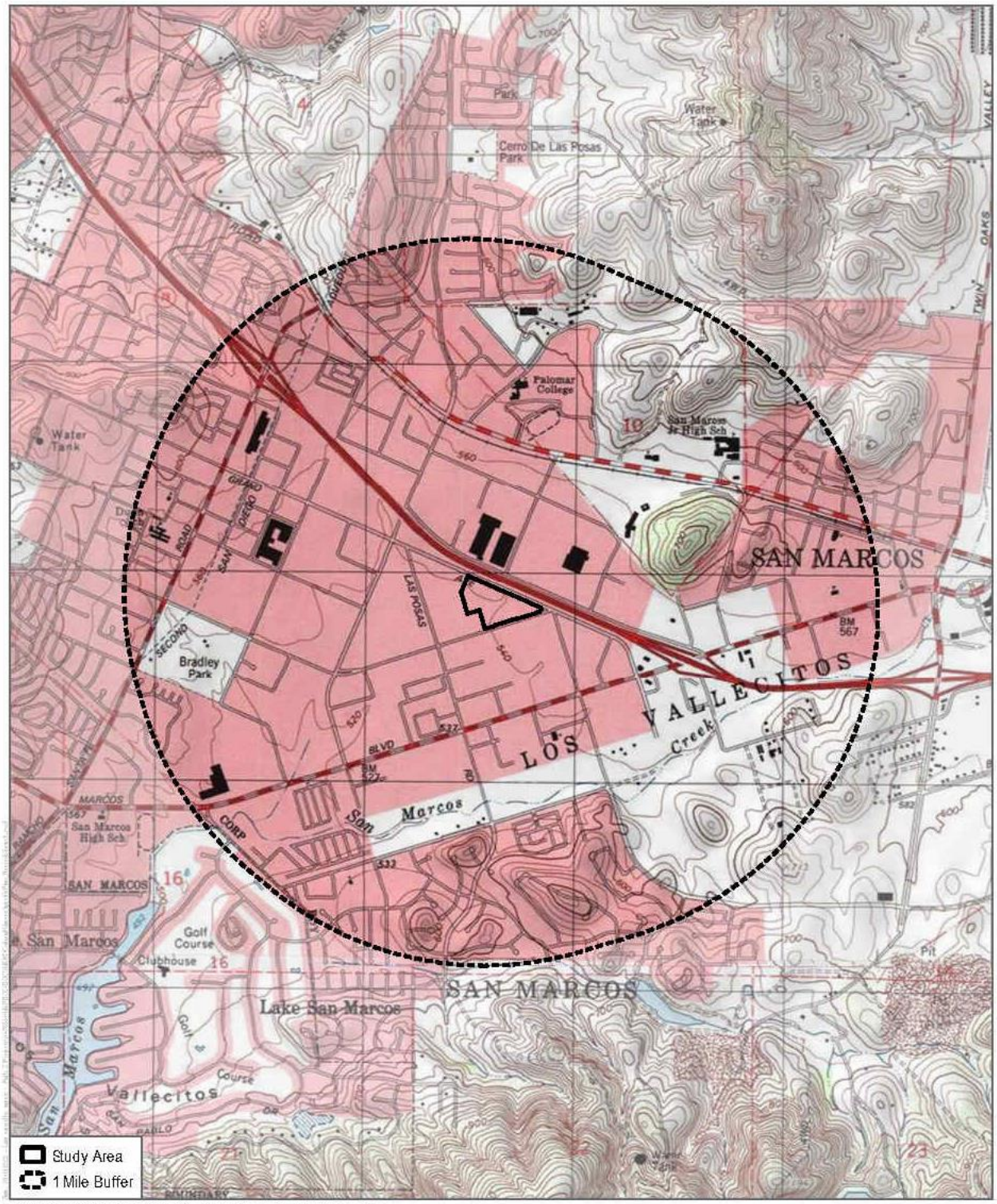

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December 13, 2022

Ms. Norma Contreras, Chairperson
La Jolla Band of Mission Indians
22000 Highway 76
Pauma Valley, CA 92061

Subject: ***Information Request for the San Marcos Specific Plan Project in San Marcos, California***

Dear Ms. Contreras,

The Marcos Specific Plan Project is being proposed in the city of San Marcos, San Diego County, California. The proposed Project is located at the corner of Grand Avenue and Linda Vista Avenue. The proposed Project would include the development of 102,000 square feet of commercial uses consisting of office, retail, restaurant, event, studio, gallery, and creative spaces with outdoor walkways and patios. The proposed Project area comprises approximately 6.54 acres. This area falls within the following PLSS area: Township12S/Range 3W, Section 10; 7.5-minute Series San Marcos, Rancho Santa Fe Quadrangles, CA 1:24,000 USGS maps (Figure 1).

As part of the cultural resources study prepared for the proposed project, Dudek contacted the California Native American Heritage Commission (NAHC) to request a Sacred Lands File (SLF) search and a list of Native American individuals and/or tribal organizations who may have knowledge of cultural resources in or near the proposed project area. The NAHC emailed a response on November 30, 2022, which stated that the SLF search did not identify the presence of Native American cultural resources in the immediate project area.

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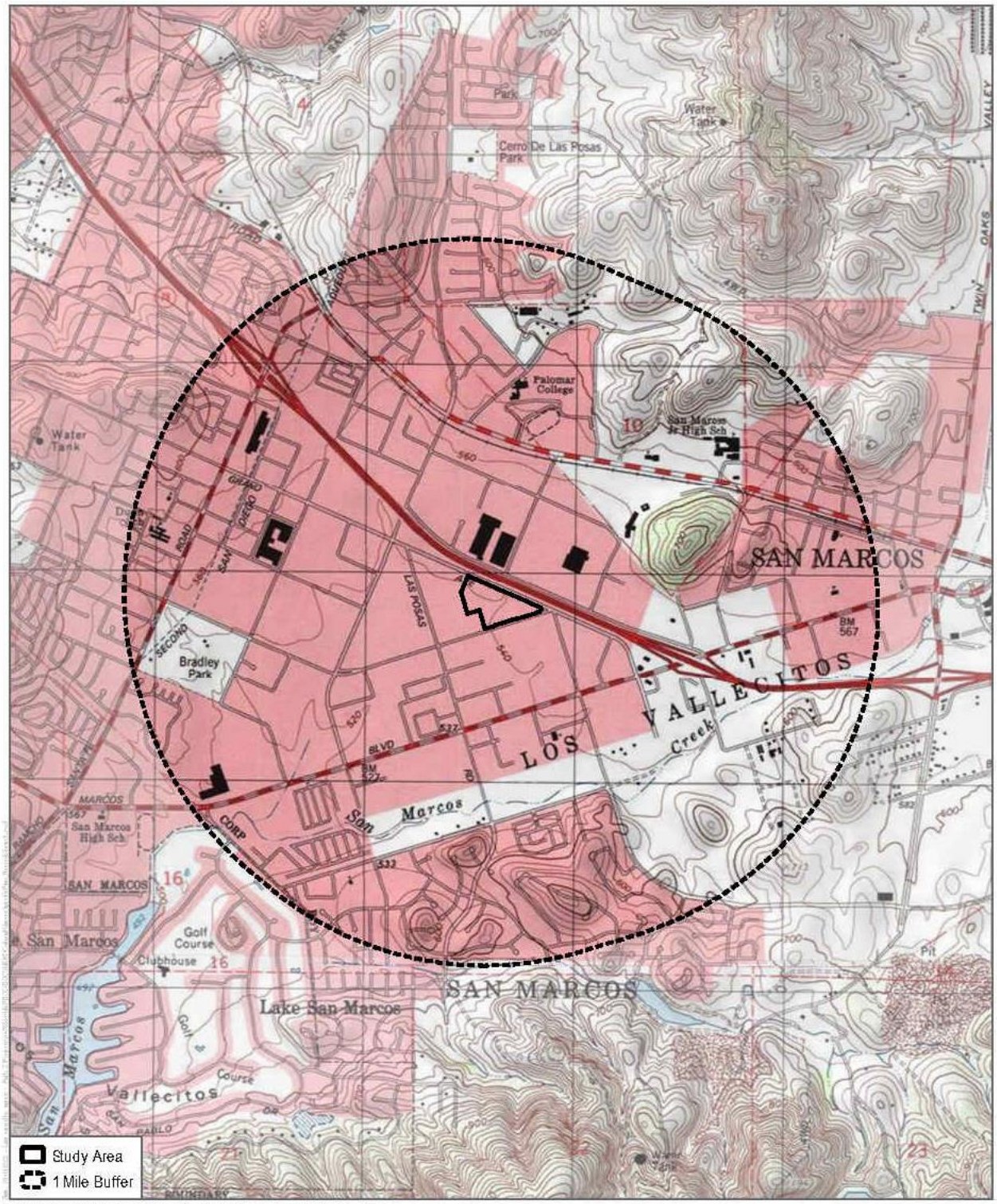

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December 13, 2022

Ms. Lisa Cumper, THPO
Jamul Indian Village
P.O. Box 612
Jamul, CA 91935

Subject: ***Information Request for the San Marcos Specific Plan Project in San Marcos, California***

Dear Ms. Cumper,

The Marcos Specific Plan Project is being proposed in the city of San Marcos, San Diego County, California. The proposed Project is located at the corner of Grand Avenue and Linda Vista Avenue. The proposed Project would include the development of 102,000 square feet of commercial uses consisting of office, retail, restaurant, event, studio, gallery, and creative spaces with outdoor walkways and patios. The proposed Project area comprises approximately 6.54 acres. This area falls within the following PLSS area: Township12S/Range 3W, Section 10; 7.5-minute Series San Marcos, Rancho Santa Fe Quadrangles, CA 1:24,000 USGS maps (Figure 1).

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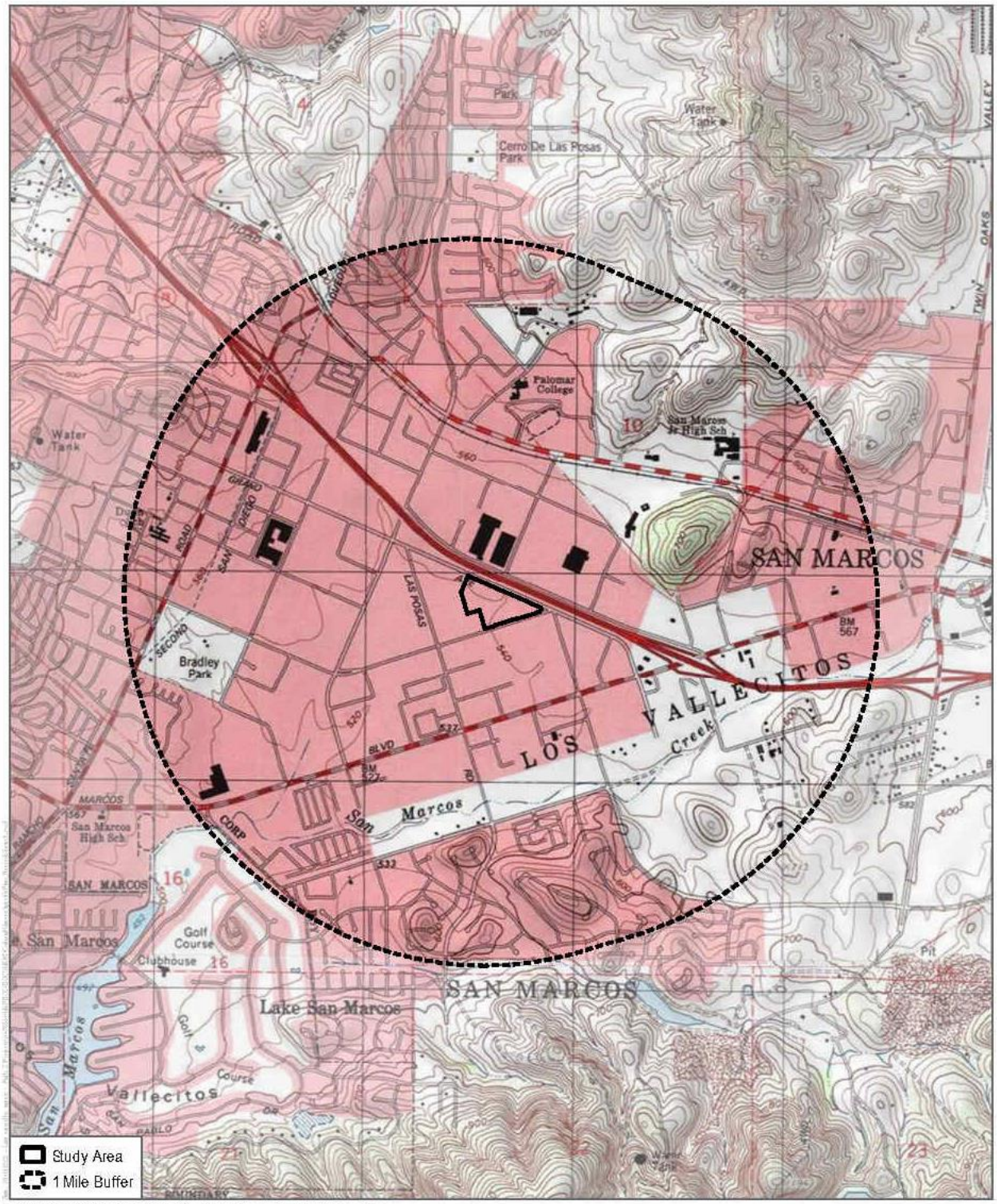

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December 13, 2022

Mr. John Flores, Environmental Coordinator
San Pasqual Band of Diegueno Mission Indians
P.O. Box 365
Valley Center, CA 92082

Subject: ***Information Request for the San Marcos Specific Plan Project in San Marcos, California***

Dear Mr. Flores,

The Marcos Specific Plan Project is being proposed in the city of San Marcos, San Diego County, California. The proposed Project is located at the corner of Grand Avenue and Linda Vista Avenue. The proposed Project would include the development of 102,000 square feet of commercial uses consisting of office, retail, restaurant, event, studio, gallery, and creative spaces with outdoor walkways and patios. The proposed Project area comprises approximately 6.54 acres. This area falls within the following PLSS area: Township12S/Range 3W, Section 10; 7.5-minute Series San Marcos, Rancho Santa Fe Quadrangles, CA 1:24,000 USGS maps (Figure 1).

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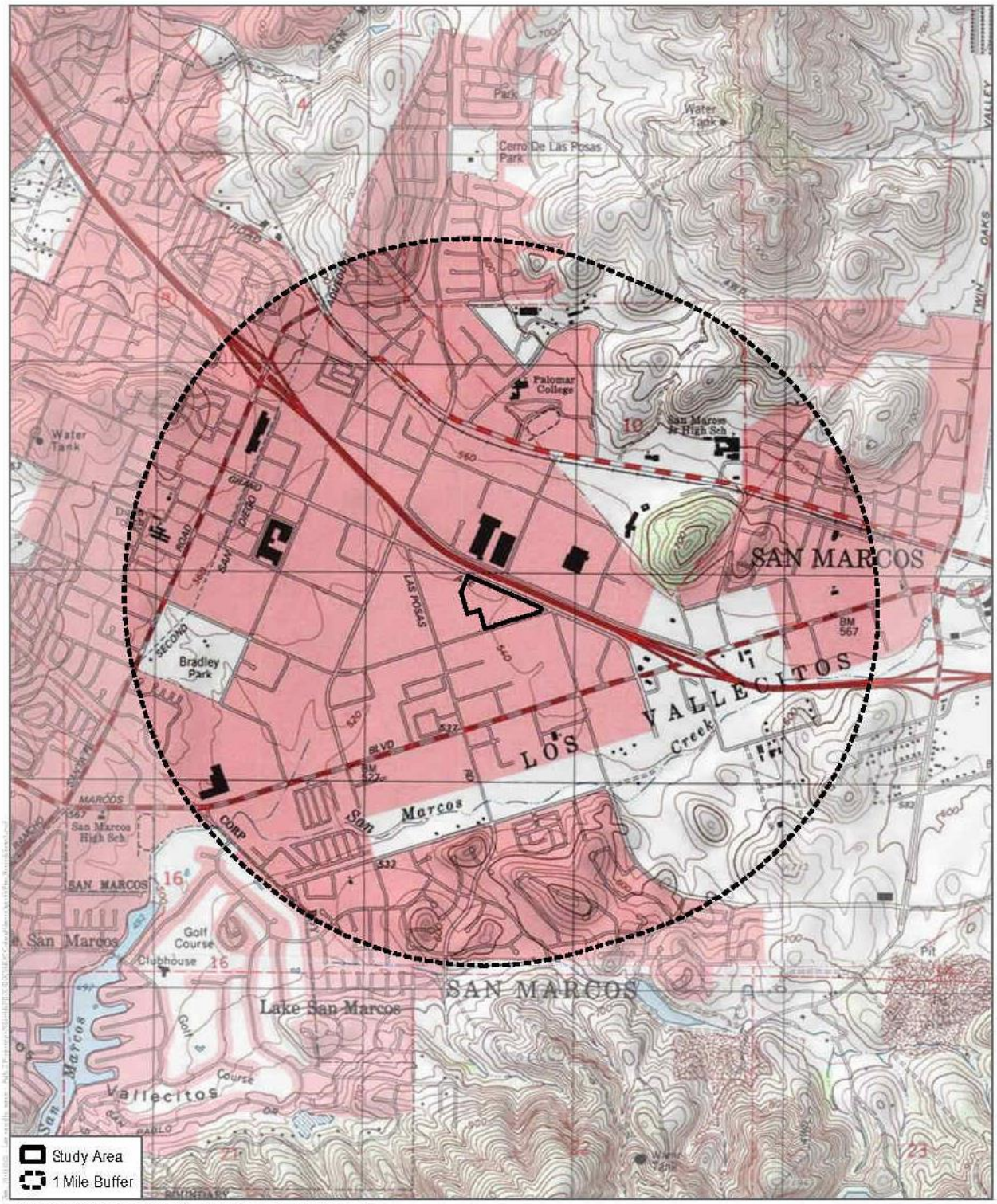

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December 13, 2022

Mr. Michael Garcia, Vice Chairperson
Ewiiaapaayp Tribe
4054 Willows Road
Alpine, CA 91901

Subject: ***Information Request for the San Marcos Specific Plan Project in San Marcos, California***

Dear Mr. Garcia,

The Marcos Specific Plan Project is being proposed in the city of San Marcos, San Diego County, California. The proposed Project is located at the corner of Grand Avenue and Linda Vista Avenue. The proposed Project would include the development of 102,000 square feet of commercial uses consisting of office, retail, restaurant, event, studio, gallery, and creative spaces with outdoor walkways and patios. The proposed Project area comprises approximately 6.54 acres. This area falls within the following PLSS area: Township12S/Range 3W, Section 10; 7.5-minute Series San Marcos, Rancho Santa Fe Quadrangles, CA 1:24,000 USGS maps (Figure 1).

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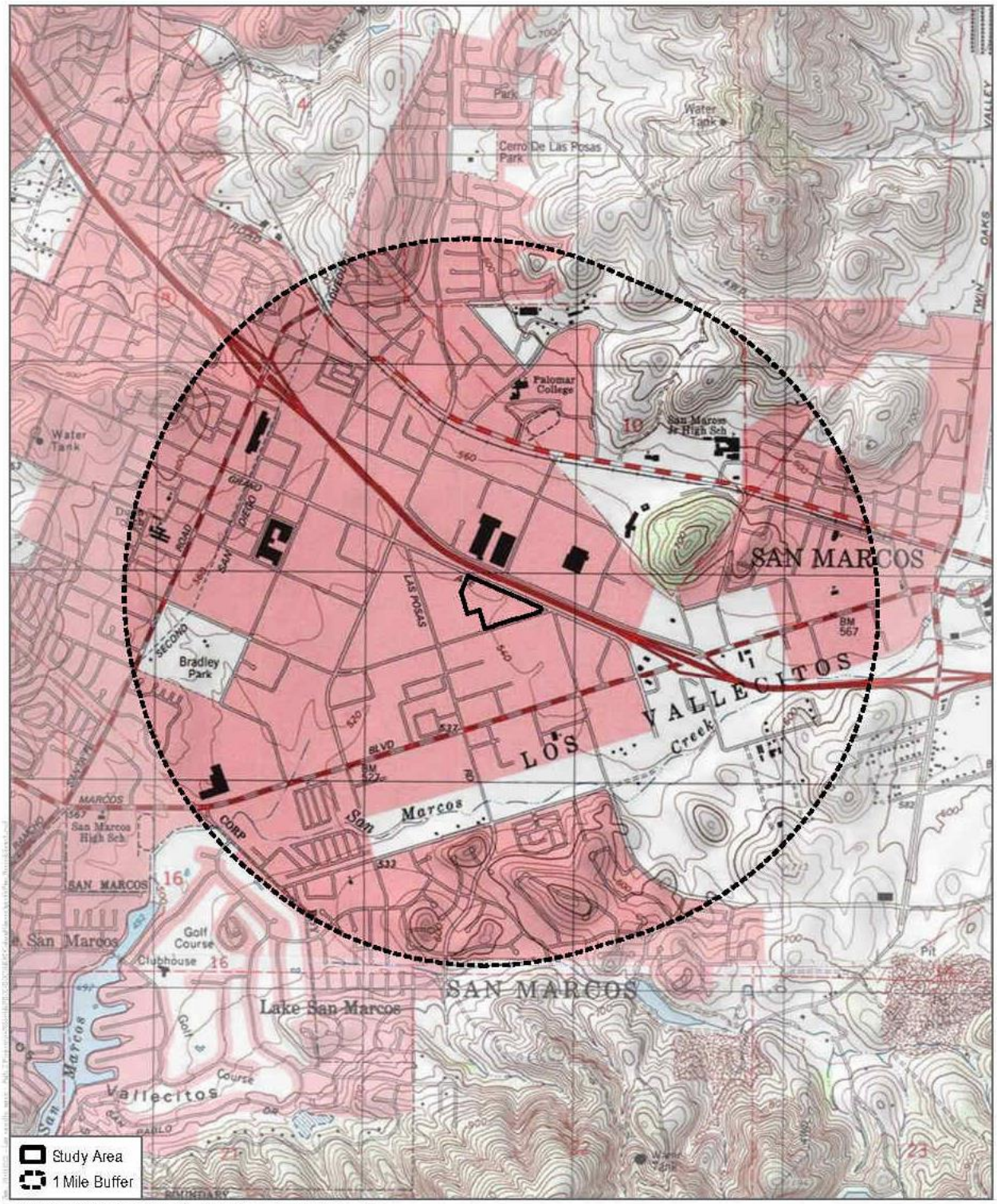

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December 13, 2022

Ms. Shasta Gaughen, Tribal Historic Preservation Officer
Pala Band of Mission Indians
35008 Pala Temecula Rd.
Pala, CA 92059

Subject: ***Information Request for the San Marcos Specific Plan Project in San Marcos, California***

Dear Ms. Gaughen,

The Marcos Specific Plan Project is being proposed in the city of San Marcos, San Diego County, California. The proposed Project is located at the corner of Grand Avenue and Linda Vista Avenue. The proposed Project would include the development of 102,000 square feet of commercial uses consisting of office, retail, restaurant, event, studio, gallery, and creative spaces with outdoor walkways and patios. The proposed Project area comprises approximately 6.54 acres. This area falls within the following PLSS area: Township12S/Range 3W, Section 10; 7.5-minute Series San Marcos, Rancho Santa Fe Quadrangles, CA 1:24,000 USGS maps (Figure 1).

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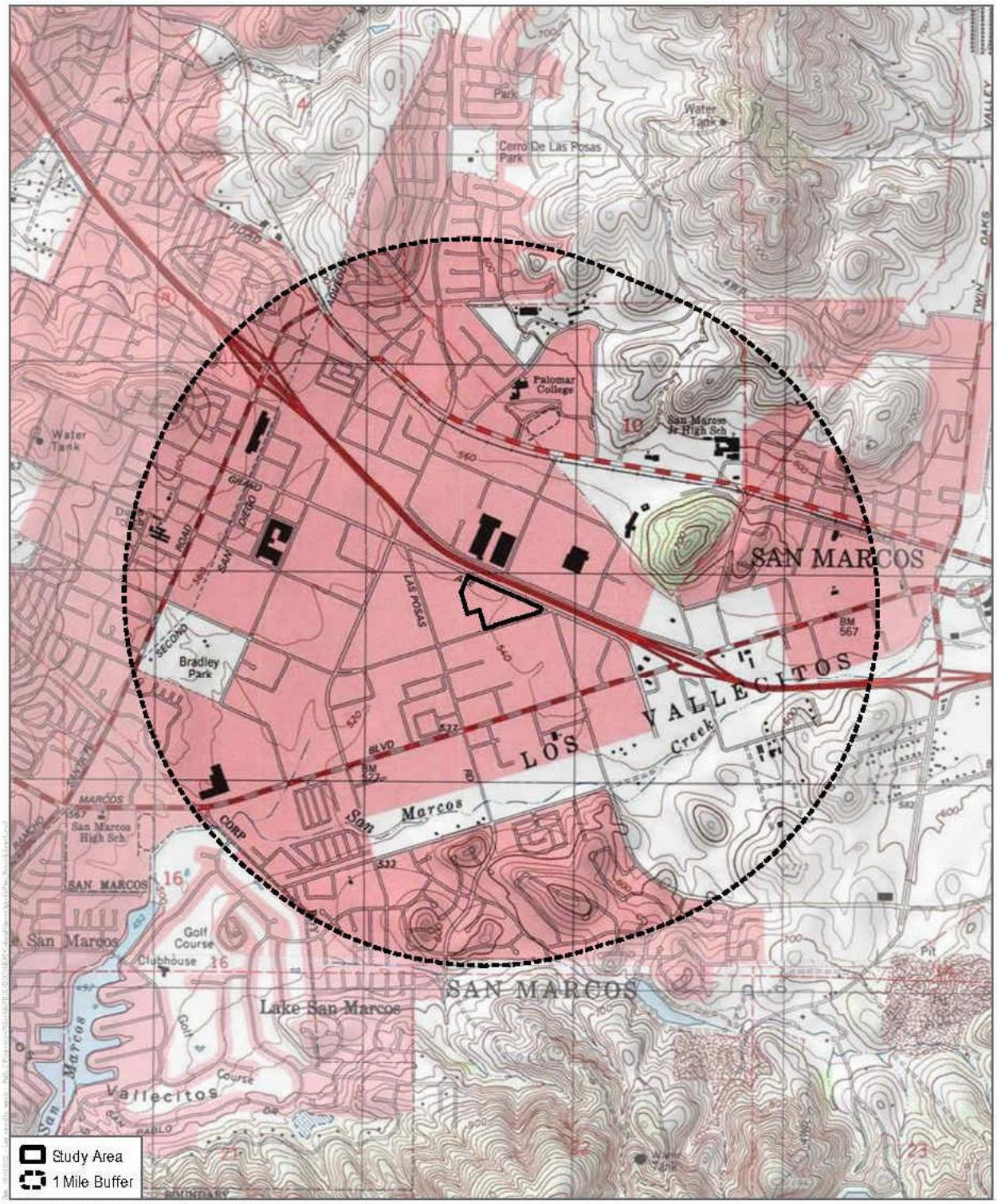

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December 13, 2022

Mr. Ralph Goff, Chairperson
Campo Band of Diegueno Mission Indians
36190 Church Road, Suite 1
Campo, CA 91906

Subject: ***Information Request for the San Marcos Specific Plan Project in San Marcos, California***

Dear Mr. Goff,

The Marcos Specific Plan Project is being proposed in the city of San Marcos, San Diego County, California. The proposed Project is located at the corner of Grand Avenue and Linda Vista Avenue. The proposed Project would include the development of 102,000 square feet of commercial uses consisting of office, retail, restaurant, event, studio, gallery, and creative spaces with outdoor walkways and patios. The proposed Project area comprises approximately 6.54 acres. This area falls within the following PLSS area: Township12S/Range 3W, Section 10; 7.5-minute Series San Marcos, Rancho Santa Fe Quadrangles, CA 1:24,000 USGS maps (Figure 1).

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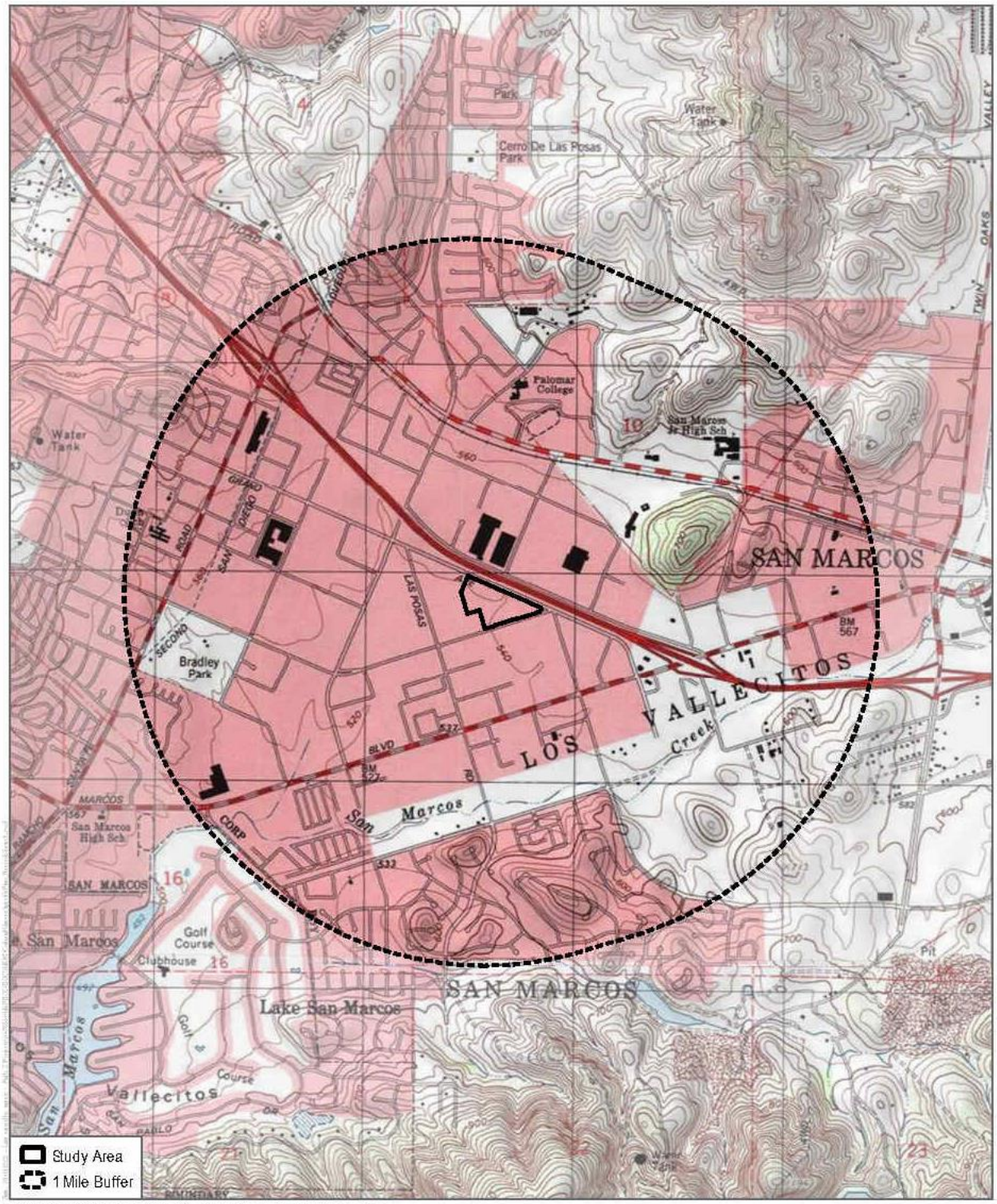

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December 13, 2022

Mr. Allen E. Lawson, Chairperson
San Pasqual Band of Diegueno Mission Indians
P.O. Box 365
Valley Center, CA 92082

Subject: ***Information Request for the San Marcos Specific Plan Project in San Marcos, California***

Dear Mr. Lawson,

The Marcos Specific Plan Project is being proposed in the city of San Marcos, San Diego County, California. The proposed Project is located at the corner of Grand Avenue and Linda Vista Avenue. The proposed Project would include the development of 102,000 square feet of commercial uses consisting of office, retail, restaurant, event, studio, gallery, and creative spaces with outdoor walkways and patios. The proposed Project area comprises approximately 6.54 acres. This area falls within the following PLSS area: Township12S/Range 3W, Section 10; 7.5-minute Series San Marcos, Rancho Santa Fe Quadrangles, CA 1:24,000 USGS maps (Figure 1).

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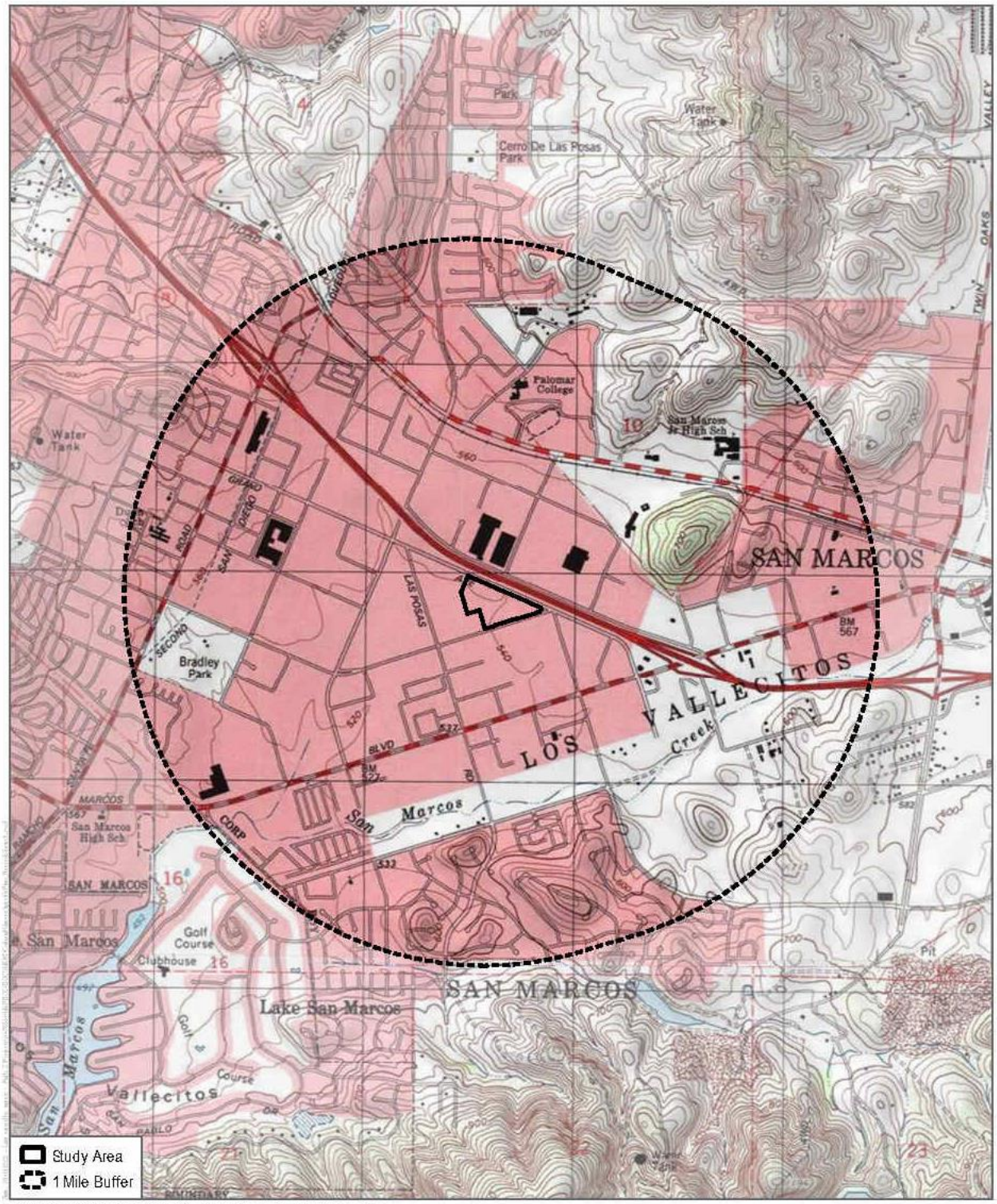

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December 13, 2022

Mr. Clint Linton, Director of Cultural Resources
Ipay Nation of Santa Ysabel
P.O. Box 507
Santa Ysabel, CA 92070

Subject: ***Information Request for the San Marcos Specific Plan Project in San Marcos, California***

Dear Mr. Linton,

The Marcos Specific Plan Project is being proposed in the city of San Marcos, San Diego County, California. The proposed Project is located at the corner of Grand Avenue and Linda Vista Avenue. The proposed Project would include the development of 102,000 square feet of commercial uses consisting of office, retail, restaurant, event, studio, gallery, and creative spaces with outdoor walkways and patios. The proposed Project area comprises approximately 6.54 acres. This area falls within the following PLSS area: Township12S/Range 3W, Section 10; 7.5-minute Series San Marcos, Rancho Santa Fe Quadrangles, CA 1:24,000 USGS maps (Figure 1).

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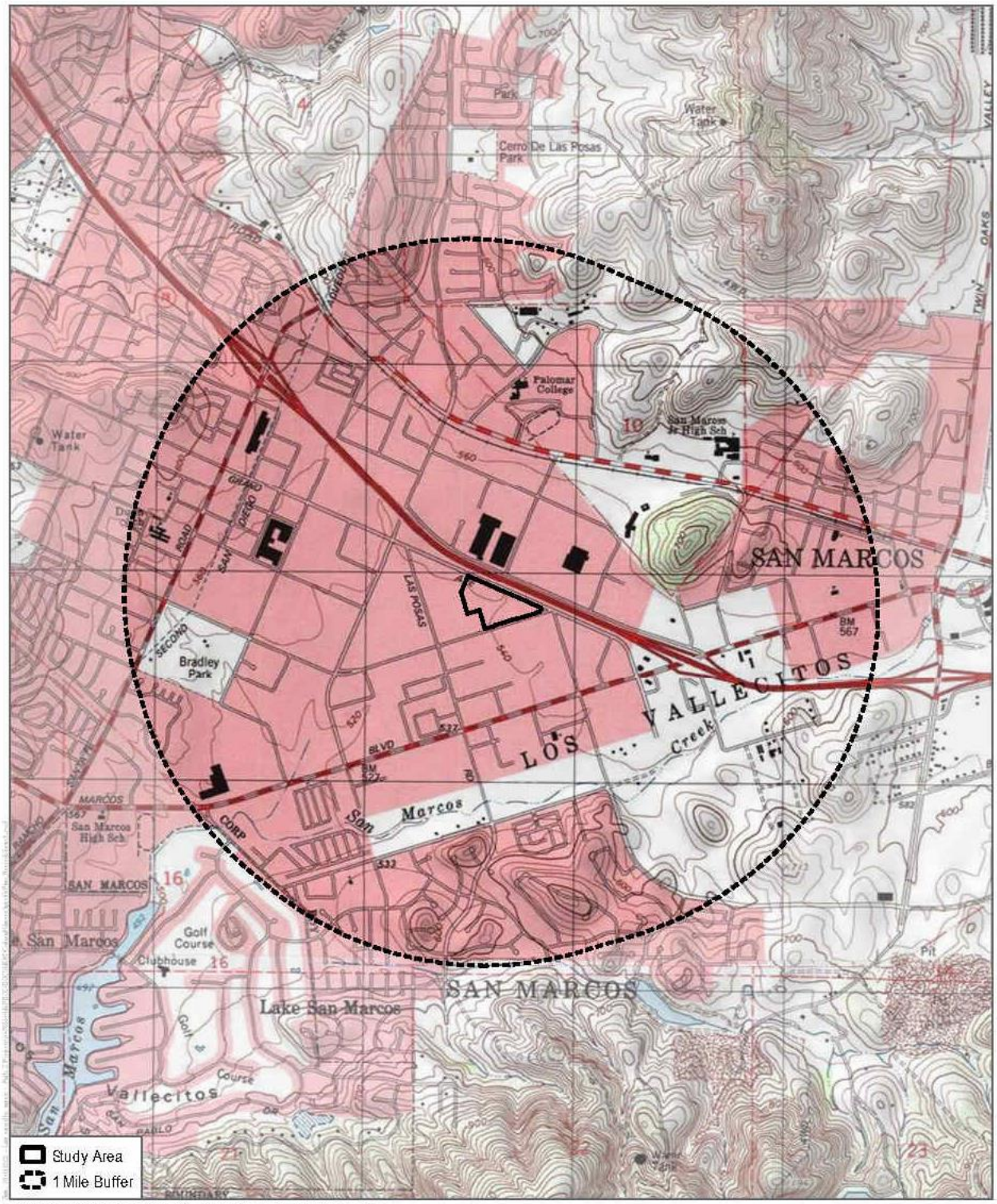

SOURCE: USGS 7.5-Minute Series San Marcos, Rancho Santa Fe Quadrangles
Township 12S; Range 3W; Section 10

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Records Search
Marcos Specific Plan Project

DUDEK

MAIN OFFICE
605 THIRD STREET
ENCINITAS, CALIFORNIA 92024
T 760.942.5147 T 800.450.1818 F 760.632.0164

December 13, 2022

Mr. Michael Linton, Chairperson
Mesa Grande Band of Dieguneo Mission Indians
P.O. Box 270
Santa Ysabel, CA 92070

Subject: ***Information Request for the San Marcos Specific Plan Project in San Marcos, California***

Dear Mr. Linton,

The Marcos Specific Plan Project is being proposed in the city of San Marcos, San Diego County, California. The proposed Project is located at the corner of Grand Avenue and Linda Vista Avenue. The proposed Project would include the development of 102,000 square feet of commercial uses consisting of office, retail, restaurant, event, studio, gallery, and creative spaces with outdoor walkways and patios. The proposed Project area comprises approximately 6.54 acres. This area falls within the following PLSS area: Township12S/Range 3W, Section 10; 7.5-minute Series San Marcos, Rancho Santa Fe Quadrangles, CA 1:24,000 USGS maps (Figure 1).

As part of the cultural resources study prepared for the proposed project, Dudek contacted the California Native American Heritage Commission (NAHC) to request a Sacred Lands File (SLF) search and a list of Native American individuals and/or tribal organizations who may have knowledge of cultural resources in or near the proposed project area. The NAHC emailed a response on November 30, 2022, which stated that the SLF search did not identify the presence of Native American cultural resources in the immediate project area.

The NAHC recommended that we contact you regarding your knowledge of the presence of cultural resources that may be impacted by this project. If you have any knowledge of cultural resources that may exist within or near the proposed project area, please contact me directly at (760) 479-4855 or at apham@dudek.com within 30 days of receipt of this letter.

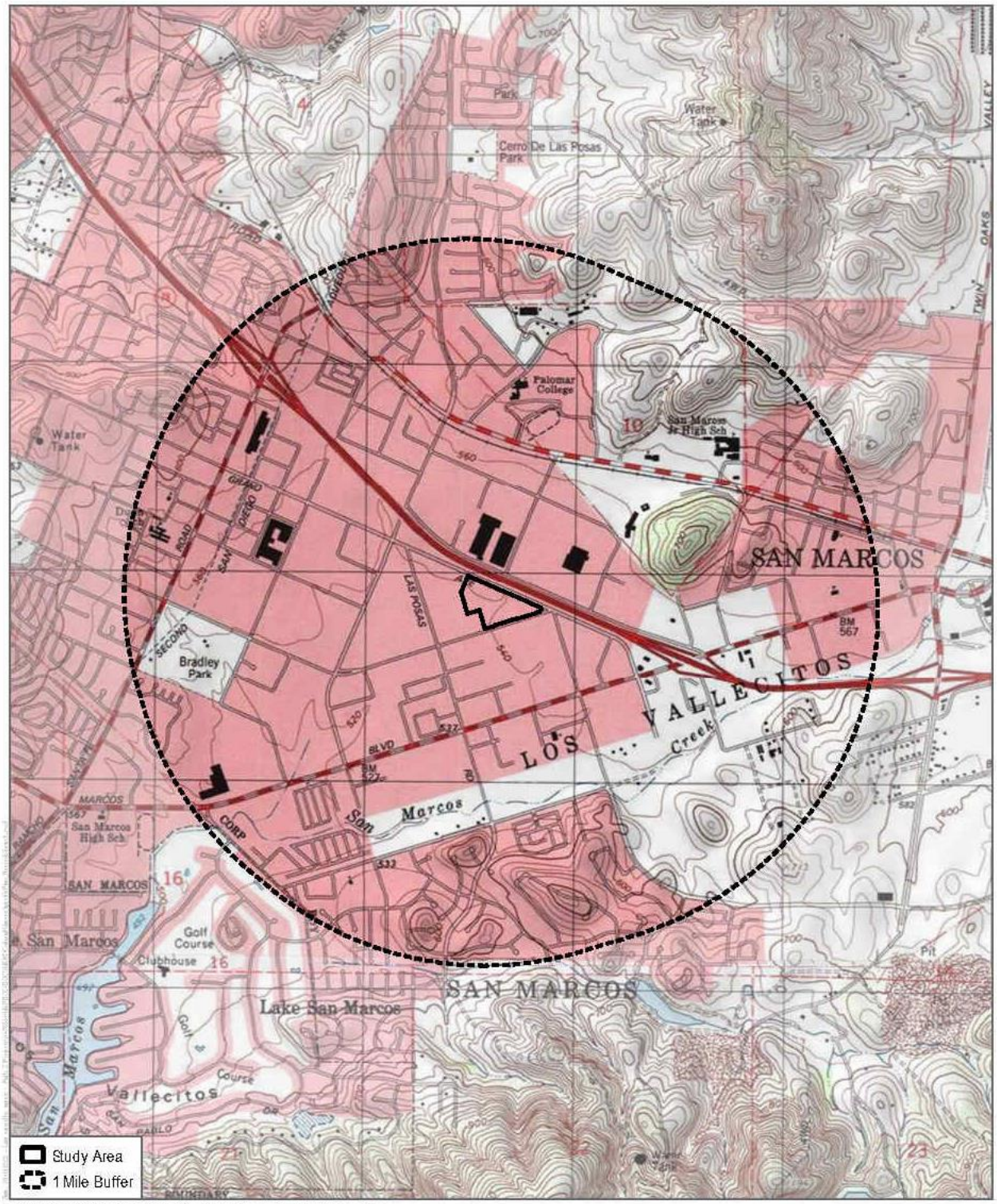
Please note that this letter does not constitute Assembly Bill (AB) 52 notification or initiation of consultation. AB 52 is a process between the lead agency and California Native American Tribes concerning potential impacts to tribal cultural resources. Tribes that wish to be notified of projects for the purposes of AB 52 must contact the lead agency, City of San Marcos, in writing (pursuant to Public Resources Code Section 21080.3.1 (b)).

Respectfully,

_____

David Faith, M.A., RPA
Archaeologist
DUDEK
Email:dfaith@dudek.com

Attachments: *Figure 1. Records search area Map.*



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T 760.942.5147 T 800.450.1818 F 760.632.0164

December 13, 2022

Ms. Carmen Lucas,
Kwaaymii Laguna Band of Mission Indians
P.O. Box 775
Pine Valley, CA 91962

Subject: ***Information Request for the San Marcos Specific Plan Project in San Marcos, California***

Dear Ms. Lucas,

The Marcos Specific Plan Project is being proposed in the city of San Marcos, San Diego County, California. The proposed Project is located at the corner of Grand Avenue and Linda Vista Avenue. The proposed Project would include the development of 102,000 square feet of commercial uses consisting of office, retail, restaurant, event, studio, gallery, and creative spaces with outdoor walkways and patios. The proposed Project area comprises approximately 6.54 acres. This area falls within the following PLSS area: Township12S/Range 3W, Section 10; 7.5-minute Series San Marcos, Rancho Santa Fe Quadrangles, CA 1:24,000 USGS maps (Figure 1).

As part of the cultural resources study prepared for the proposed project, Dudek contacted the California Native American Heritage Commission (NAHC) to request a Sacred Lands File (SLF) search and a list of Native American individuals and/or tribal organizations who may have knowledge of cultural resources in or near the proposed project area. The NAHC emailed a response on November 30, 2022, which stated that the SLF search did not identify the presence of Native American cultural resources in the immediate project area.

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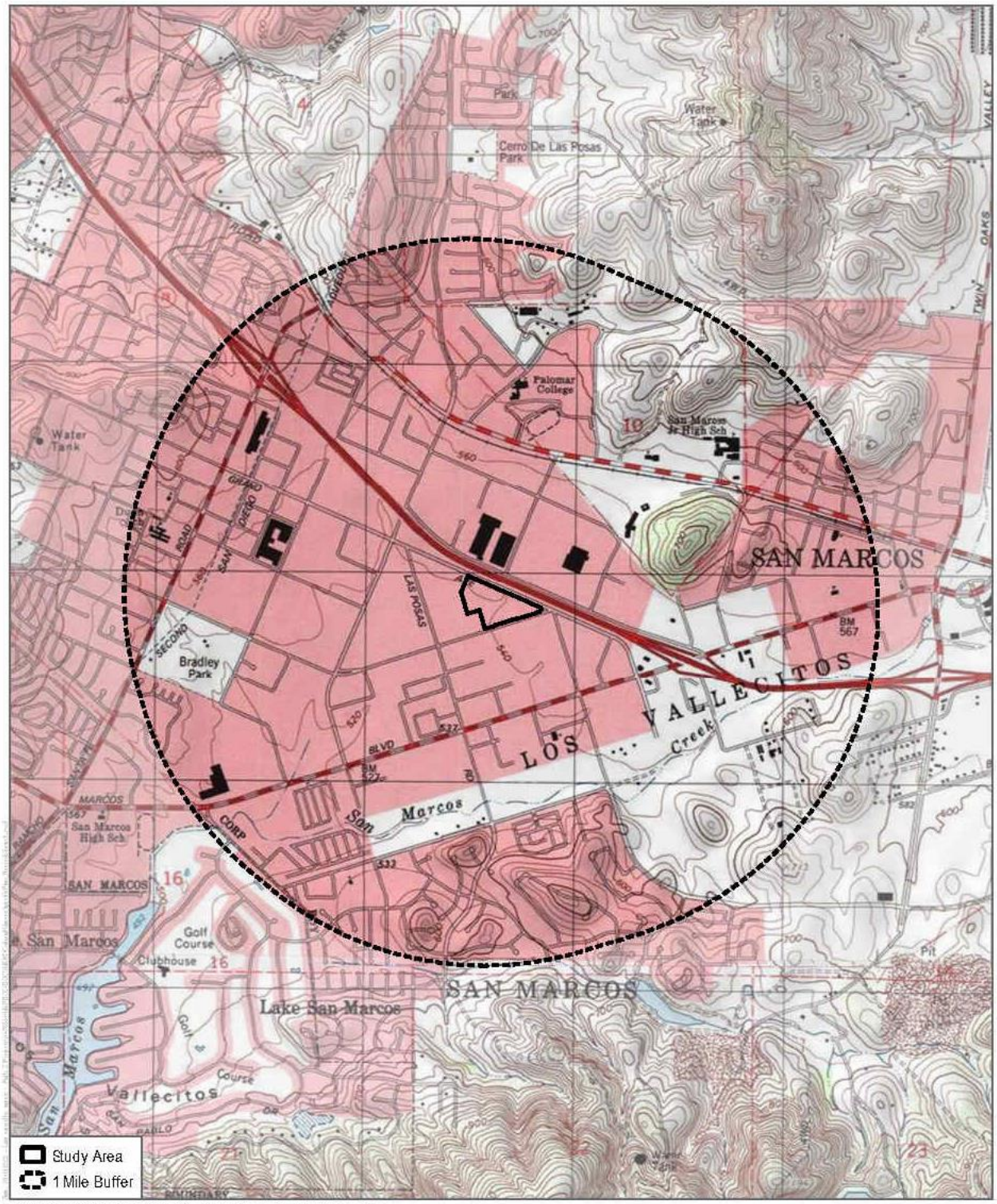

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T 760.942.5147 T 800.450.1818 F 760.632.0164

December 13, 2022

Mr. Mark Macarro, Chairperson
Pechanga Band of Mission Indians
P.O. Box 1477
Temecula, CA 92593

Subject: ***Information Request for the San Marcos Specific Plan Project in San Marcos, California***

Dear Mr. Macarro,

The Marcos Specific Plan Project is being proposed in the city of San Marcos, San Diego County, California. The proposed Project is located at the corner of Grand Avenue and Linda Vista Avenue. The proposed Project would include the development of 102,000 square feet of commercial uses consisting of office, retail, restaurant, event, studio, gallery, and creative spaces with outdoor walkways and patios. The proposed Project area comprises approximately 6.54 acres. This area falls within the following PLSS area: Township12S/Range 3W, Section 10; 7.5-minute Series San Marcos, Rancho Santa Fe Quadrangles, CA 1:24,000 USGS maps (Figure 1).

As part of the cultural resources study prepared for the proposed project, Dudek contacted the California Native American Heritage Commission (NAHC) to request a Sacred Lands File (SLF) search and a list of Native American individuals and/or tribal organizations who may have knowledge of cultural resources in or near the proposed project area. The NAHC emailed a response on November 30, 2022, which stated that the SLF search did not identify the presence of Native American cultural resources in the immediate project area.

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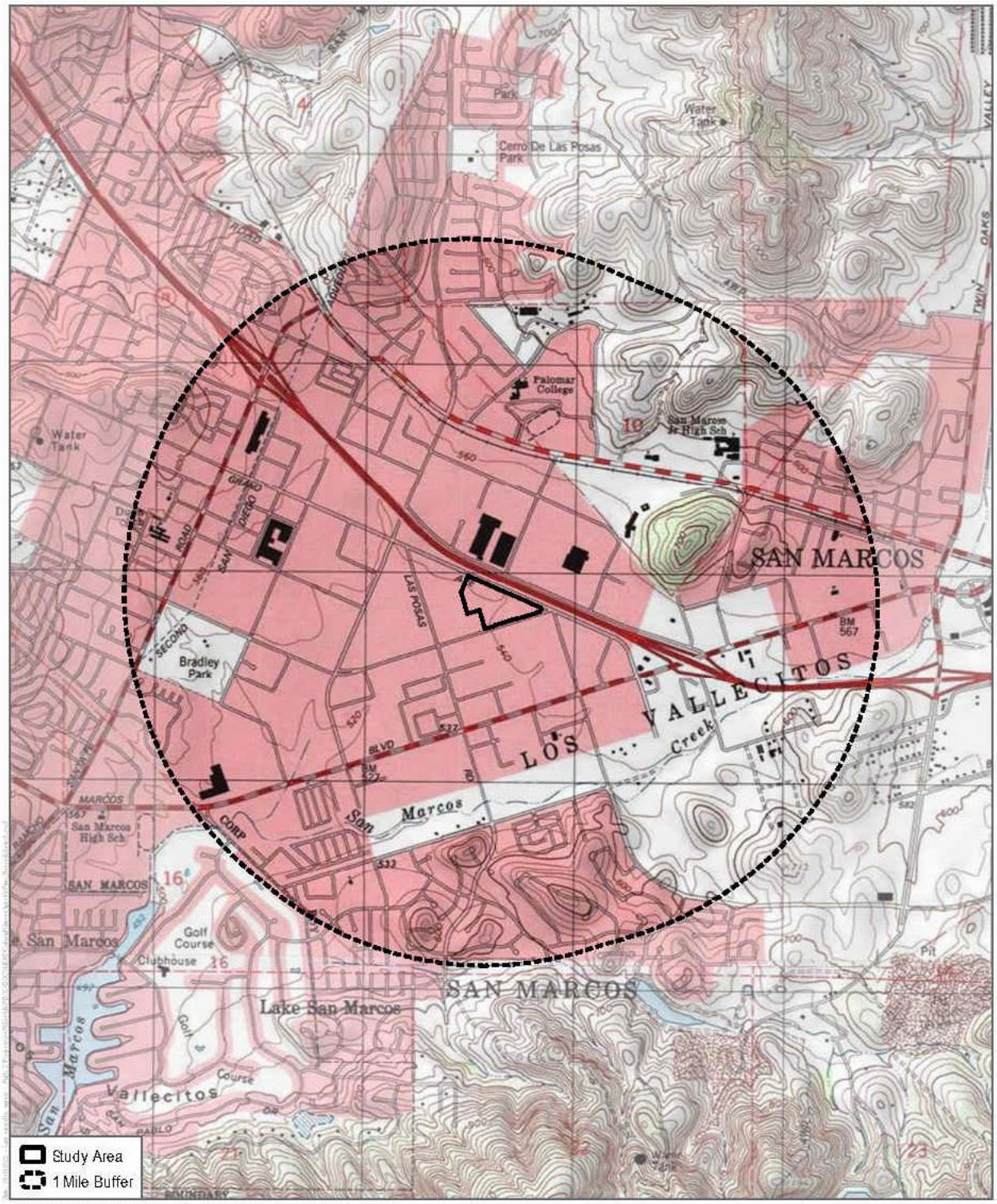

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T 760.942.5147 T 800.450.1818 F 760.632.0164

December 13, 2022

Mr. Paul Macarro, Cultural Resources Manager
Pechanga Band of Mission Indians
P.O. Box 1477
Temecula, CA 92593

Subject: ***Information Request for the San Marcos Specific Plan Project in San Marcos, California***

Dear Mr. Macarro,

The Marcos Specific Plan Project is being proposed in the city of San Marcos, San Diego County, California. The proposed Project is located at the corner of Grand Avenue and Linda Vista Avenue. The proposed Project would include the development of 102,000 square feet of commercial uses consisting of office, retail, restaurant, event, studio, gallery, and creative spaces with outdoor walkways and patios. The proposed Project area comprises approximately 6.54 acres. This area falls within the following PLSS area: Township12S/Range 3W, Section 10; 7.5-minute Series San Marcos, Rancho Santa Fe Quadrangles, CA 1:24,000 USGS maps (Figure 1).

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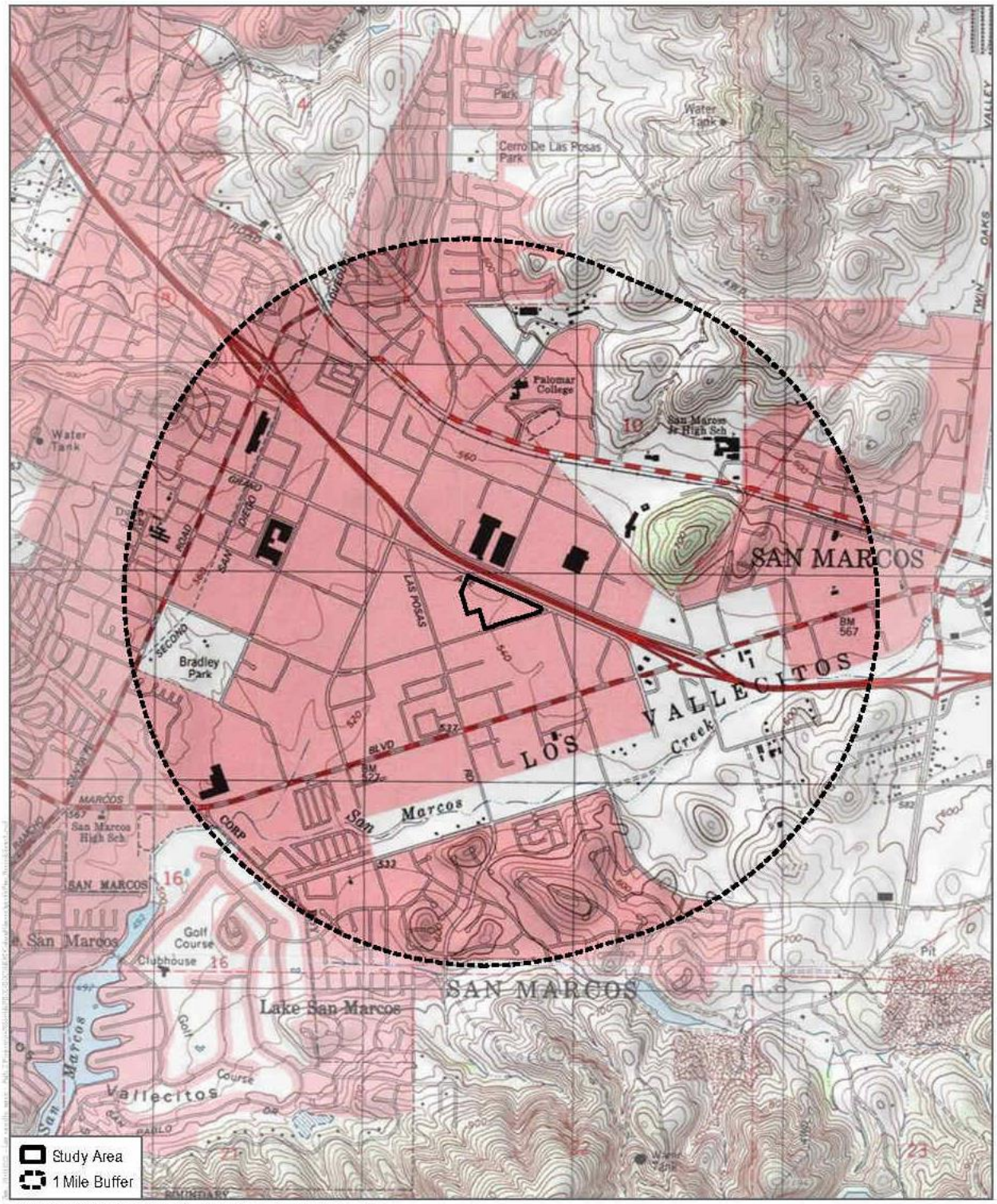

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ENCINITAS, CALIFORNIA 92024
T 760.942.5147 T 800.450.1818 F 760.632.0164

December 13, 2022

Ms. Cheryl Madrigal, Tribal Historic Preservation Officer
Rincon Band of Mission Indians
One Governement Center Lane
Valley Center, CA 92082

Subject: ***Information Request for the San Marcos Specific Plan Project in San Marcos, California***

Dear Ms. Madrigal,

The Marcos Specific Plan Project is being proposed in the city of San Marcos, San Diego County, California. The proposed Project is located at the corner of Grand Avenue and Linda Vista Avenue. The proposed Project would include the development of 102,000 square feet of commercial uses consisting of office, retail, restaurant, event, studio, gallery, and creative spaces with outdoor walkways and patios. The proposed Project area comprises approximately 6.54 acres. This area falls within the following PLSS area: Township12S/Range 3W, Section 10; 7.5-minute Series San Marcos, Rancho Santa Fe Quadrangles, CA 1:24,000 USGS maps (Figure 1).

As part of the cultural resources study prepared for the proposed project, Dudek contacted the California Native American Heritage Commission (NAHC) to request a Sacred Lands File (SLF) search and a list of Native American individuals and/or tribal organizations who may have knowledge of cultural resources in or near the proposed project area. The NAHC emailed a response on November 30, 2022, which stated that the SLF search did not identify the presence of Native American cultural resources in the immediate project area.

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Archaeologist
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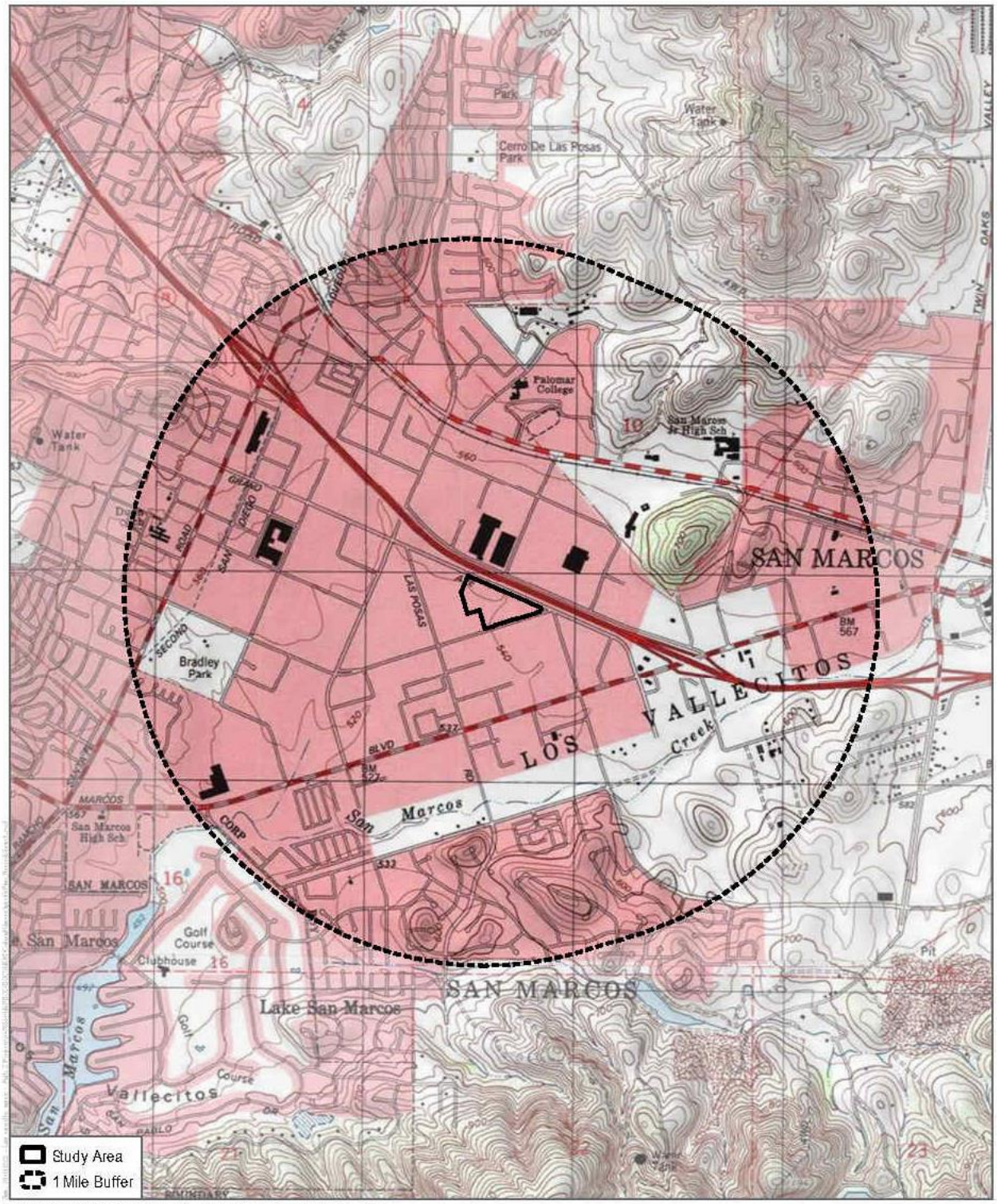

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605 THIRD STREET
ENCINITAS, CALIFORNIA 92024
T 760.942.5147 T 800.450.1818 F 760.632.0164

December 13, 2022

Mr. Cody Martinez, Chairperson
Sycuan Band of the Kumeyaay Nation
1 Kwaaypaay Court
El Cajon, CA 92019

Subject: ***Information Request for the San Marcos Specific Plan Project in San Marcos, California***

Dear Mr. Martinez,

The Marcos Specific Plan Project is being proposed in the city of San Marcos, San Diego County, California. The proposed Project is located at the corner of Grand Avenue and Linda Vista Avenue. The proposed Project would include the development of 102,000 square feet of commercial uses consisting of office, retail, restaurant, event, studio, gallery, and creative spaces with outdoor walkways and patios. The proposed Project area comprises approximately 6.54 acres. This area falls within the following PLSS area: Township12S/Range 3W, Section 10; 7.5-minute Series San Marcos, Rancho Santa Fe Quadrangles, CA 1:24,000 USGS maps (Figure 1).

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Archaeologist
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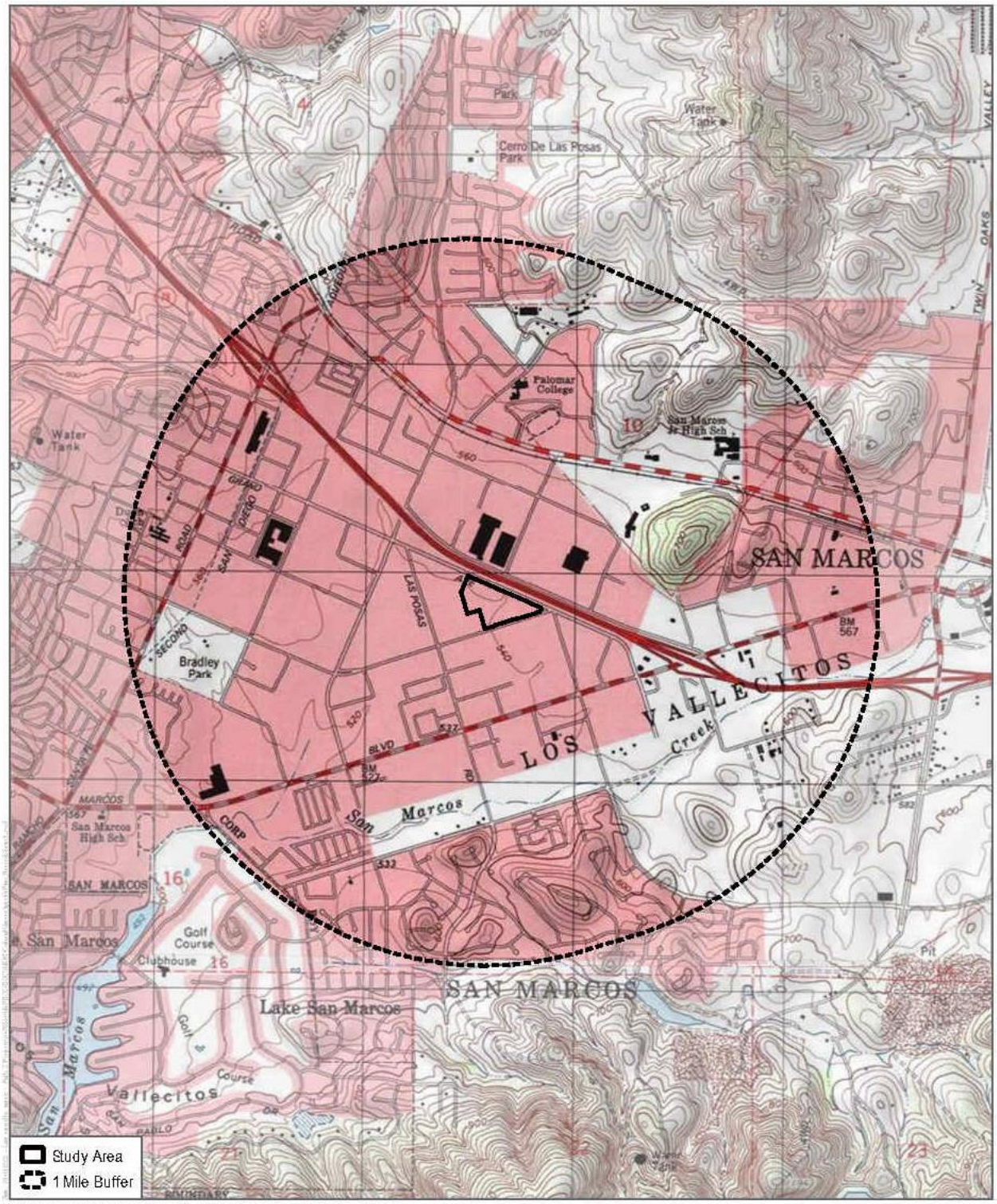

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605 THIRD STREET
ENCINITAS, CALIFORNIA 92024
T 760.942.5147 T 800.450.1818 F 760.632.0164

December 13, 2022

Mr. Bo Mazzetti, Chairperson
Rincon Band of Luiseño Indians
1 Government Center Lane
Valley Center, CA 92082

Subject: ***Information Request for the San Marcos Specific Plan Project in San Marcos, California***

Dear Mr. Mazzetti,

The Marcos Specific Plan Project is being proposed in the city of San Marcos, San Diego County, California. The proposed Project is located at the corner of Grand Avenue and Linda Vista Avenue. The proposed Project would include the development of 102,000 square feet of commercial uses consisting of office, retail, restaurant, event, studio, gallery, and creative spaces with outdoor walkways and patios. The proposed Project area comprises approximately 6.54 acres. This area falls within the following PLSS area: Township12S/Range 3W, Section 10; 7.5-minute Series San Marcos, Rancho Santa Fe Quadrangles, CA 1:24,000 USGS maps (Figure 1).

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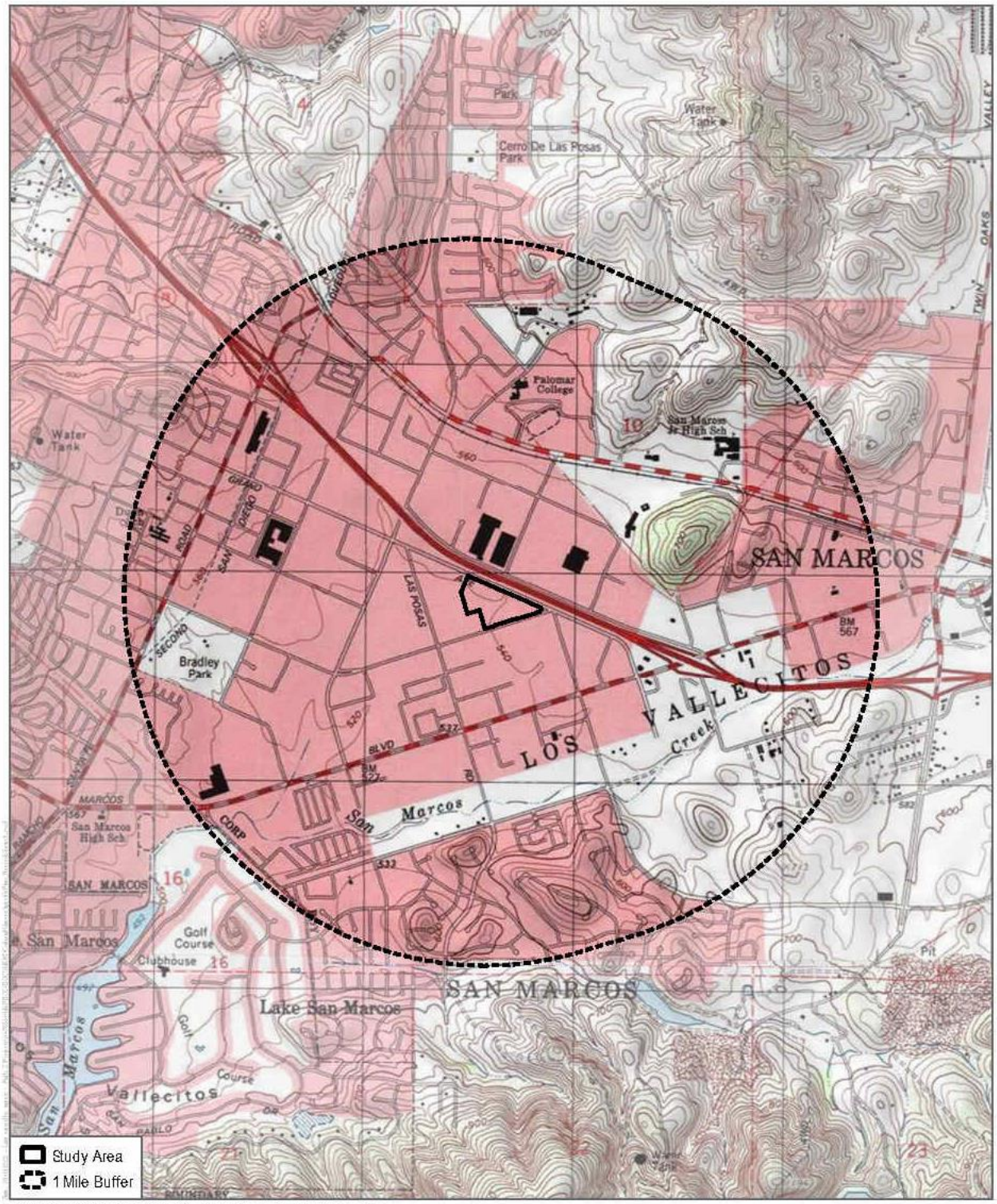

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T 760.942.5147 T 800.450.1818 F 760.632.0164

December 13, 2022

Ms. Javaughn Miller, Tribal Administrator
La Posta Band of Diegueno Mission Indians
8 Crestwood Rd.
Boulevard, CA 91905

Subject: ***Information Request for the San Marcos Specific Plan Project in San Marcos, California***

Dear Ms. Miller,

The Marcos Specific Plan Project is being proposed in the city of San Marcos, San Diego County, California. The proposed Project is located at the corner of Grand Avenue and Linda Vista Avenue. The proposed Project would include the development of 102,000 square feet of commercial uses consisting of office, retail, restaurant, event, studio, gallery, and creative spaces with outdoor walkways and patios. The proposed Project area comprises approximately 6.54 acres. This area falls within the following PLSS area: Township12S/Range 3W, Section 10; 7.5-minute Series San Marcos, Rancho Santa Fe Quadrangles, CA 1:24,000 USGS maps (Figure 1).

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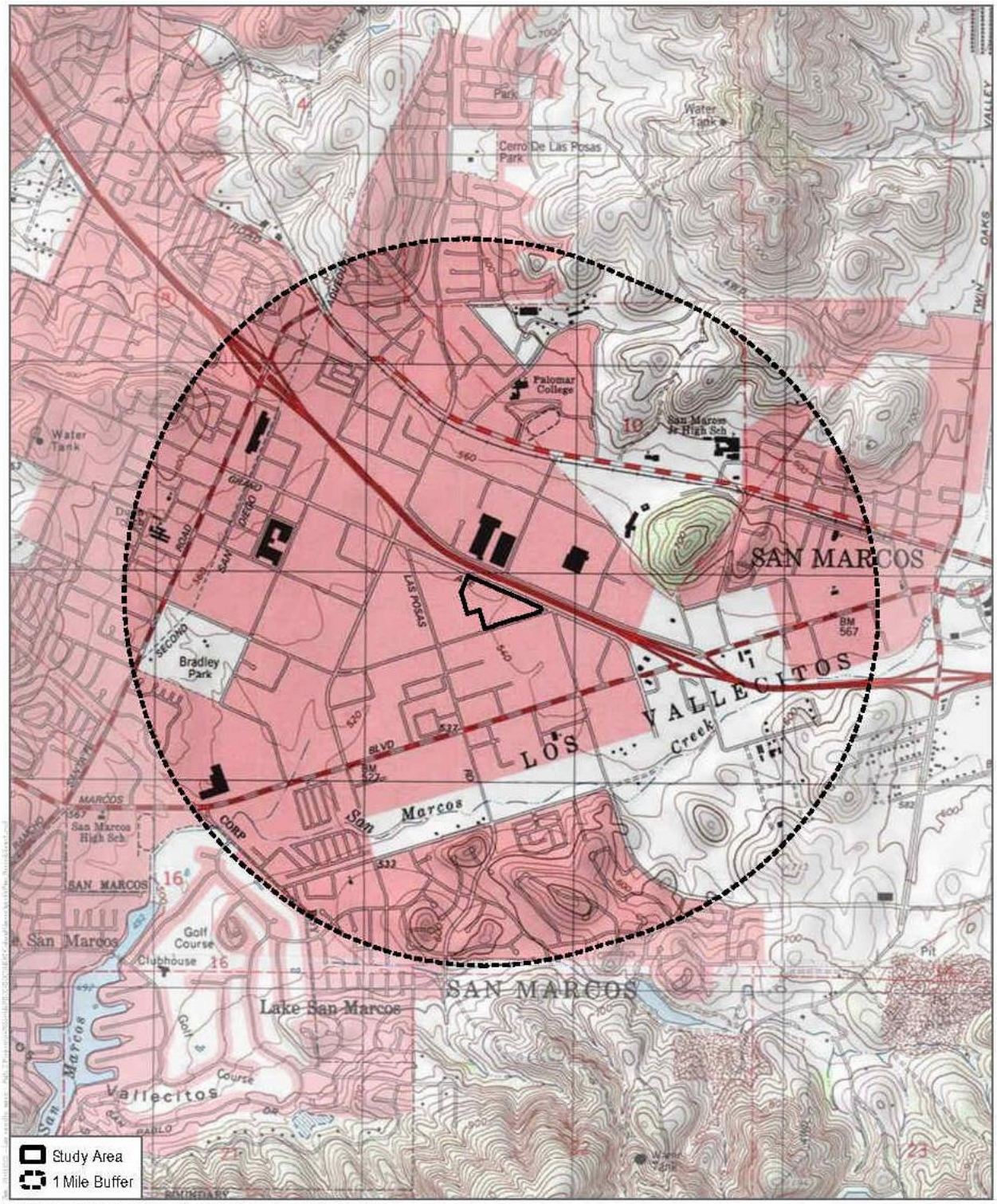

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December 13, 2022

Mr. Joseph Ontiveros, Cultural Resource Department
Soboba Band of Luiseno Indians
P.O. Box 487
San Jacinto, CA 92581

Subject: ***Information Request for the San Marcos Specific Plan Project in San Marcos, California***

Dear Mr. Ontiveros,

The Marcos Specific Plan Project is being proposed in the city of San Marcos, San Diego County, California. The proposed Project is located at the corner of Grand Avenue and Linda Vista Avenue. The proposed Project would include the development of 102,000 square feet of commercial uses consisting of office, retail, restaurant, event, studio, gallery, and creative spaces with outdoor walkways and patios. The proposed Project area comprises approximately 6.54 acres. This area falls within the following PLSS area: Township12S/Range 3W, Section 10; 7.5-minute Series San Marcos, Rancho Santa Fe Quadrangles, CA 1:24,000 USGS maps (Figure 1).

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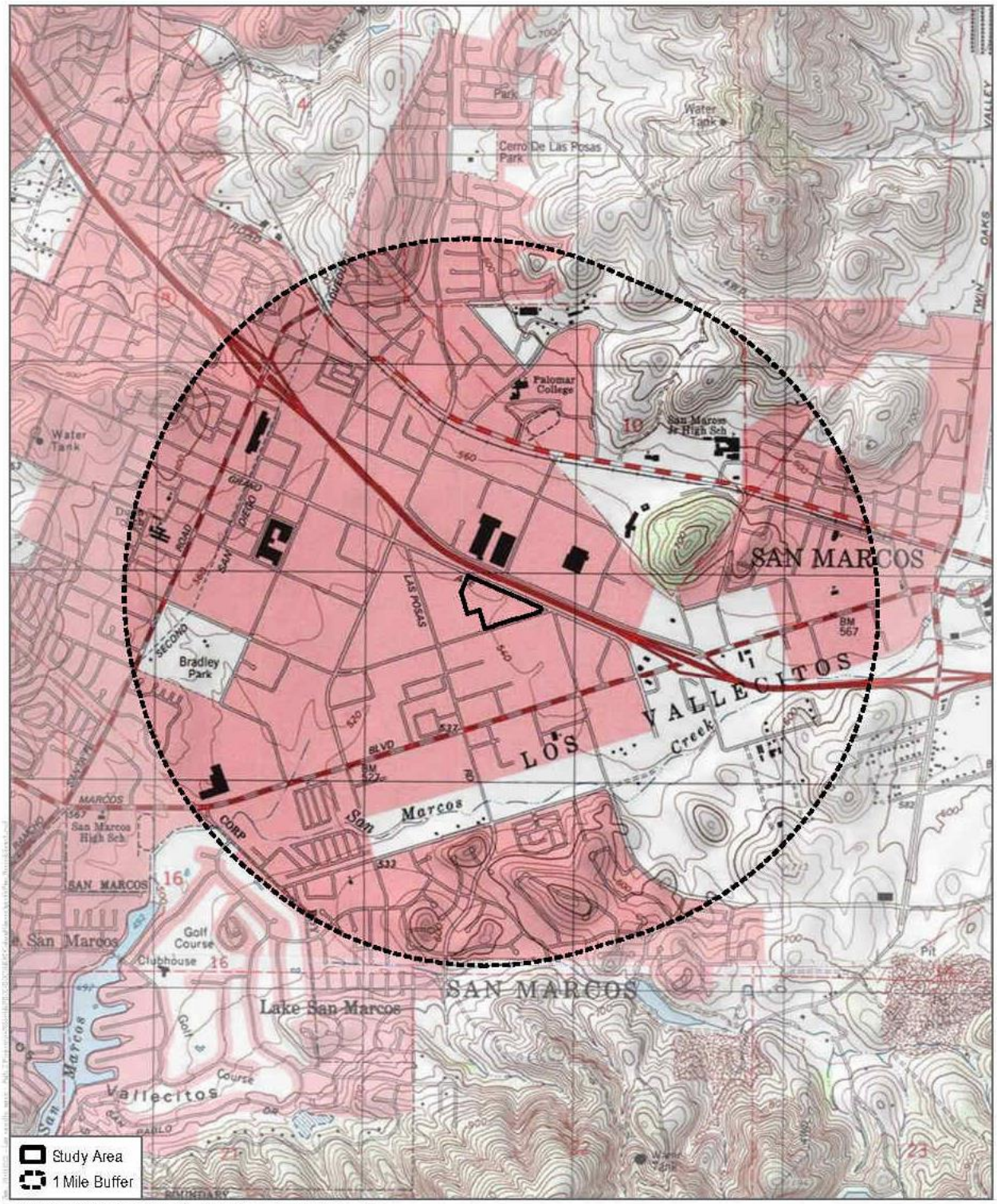

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December 13, 2022

Ms. Kristie Orosco, Resource Specialist
Sycuan Band of the Kumeyaay Nation
1 Kwaaypaay Court
El Cajon, CA 92019

Subject: ***Information Request for the San Marcos Specific Plan Project in San Marcos, California***

Dear Ms. Orosco,

The Marcos Specific Plan Project is being proposed in the city of San Marcos, San Diego County, California. The proposed Project is located at the corner of Grand Avenue and Linda Vista Avenue. The proposed Project would include the development of 102,000 square feet of commercial uses consisting of office, retail, restaurant, event, studio, gallery, and creative spaces with outdoor walkways and patios. The proposed Project area comprises approximately 6.54 acres. This area falls within the following PLSS area: Township12S/Range 3W, Section 10; 7.5-minute Series San Marcos, Rancho Santa Fe Quadrangles, CA 1:24,000 USGS maps (Figure 1).

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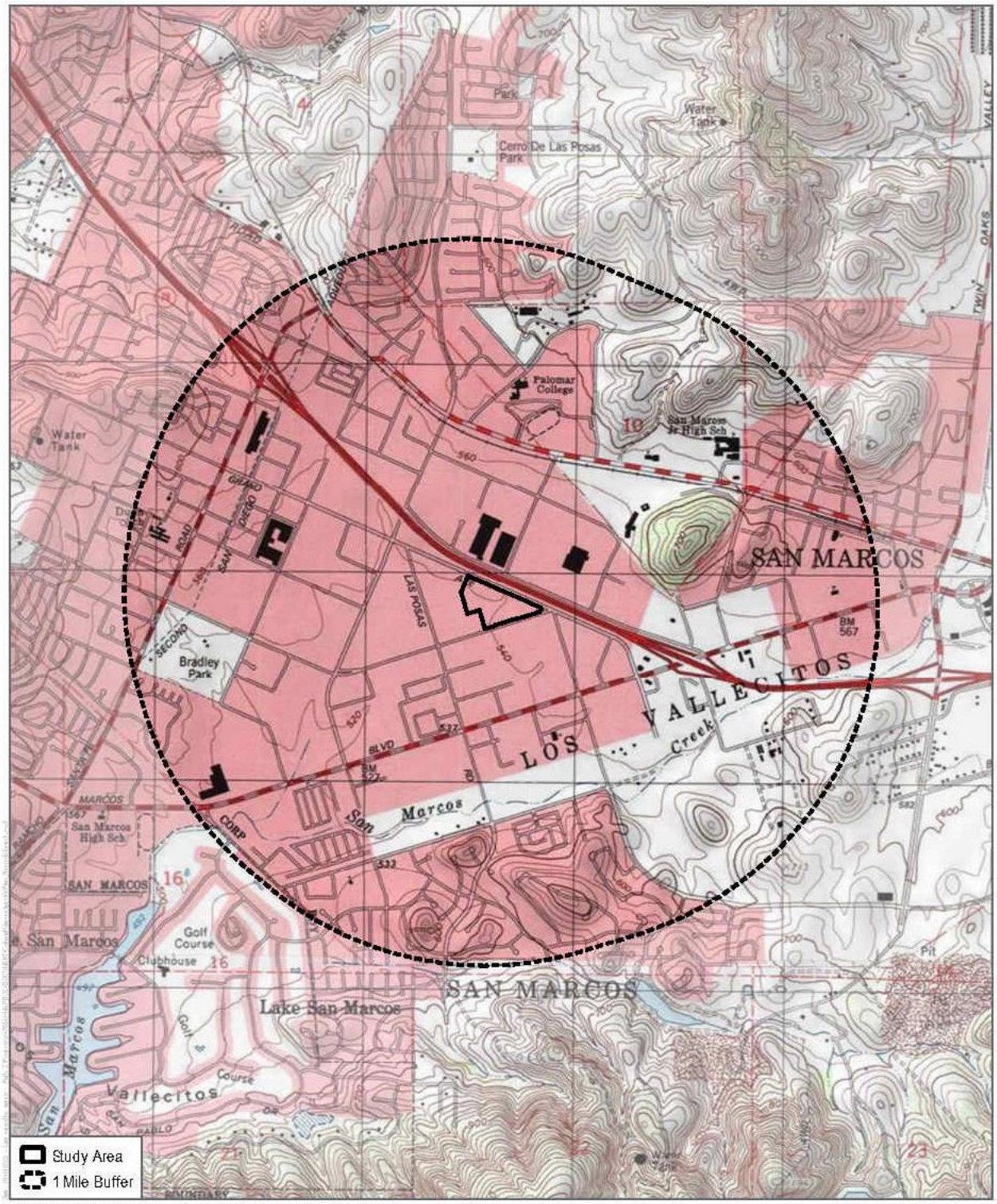
Respectfully,

_____

David Faith, M.A., RPA
Archaeologist
DUDEK
Email:dfaith@dudek.com

Attachments: *Figure 1. Records search area Map.*



SOURCE: USGS 7.5-Minute Series San Marcos, Rancho Santa Fe Quadrangles
Township 12S; Range 3W; Section 10

DUDEK

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Records Search
Marcos Specific Plan Project

DUDEK

MAIN OFFICE
605 THIRD STREET
ENCINITAS, CALIFORNIA 92024
T 760.942.5147 T 800.450.1818 F 760.632.0164

December 13, 2022

Ms. Rebecca Osuna, Chairperson
Inaja-Cosmit Band of Indians
2005 S. Escondido Blvd.
Escondido, CA 92025

Subject: ***Information Request for the San Marcos Specific Plan Project in San Marcos, California***

Dear Ms. Osuna,

The Marcos Specific Plan Project is being proposed in the city of San Marcos, San Diego County, California. The proposed Project is located at the corner of Grand Avenue and Linda Vista Avenue. The proposed Project would include the development of 102,000 square feet of commercial uses consisting of office, retail, restaurant, event, studio, gallery, and creative spaces with outdoor walkways and patios. The proposed Project area comprises approximately 6.54 acres. This area falls within the following PLSS area: Township12S/Range 3W, Section 10; 7.5-minute Series San Marcos, Rancho Santa Fe Quadrangles, CA 1:24,000 USGS maps (Figure 1).

As part of the cultural resources study prepared for the proposed project, Dudek contacted the California Native American Heritage Commission (NAHC) to request a Sacred Lands File (SLF) search and a list of Native American individuals and/or tribal organizations who may have knowledge of cultural resources in or near the proposed project area. The NAHC emailed a response on November 30, 2022, which stated that the SLF search did not identify the presence of Native American cultural resources in the immediate project area.

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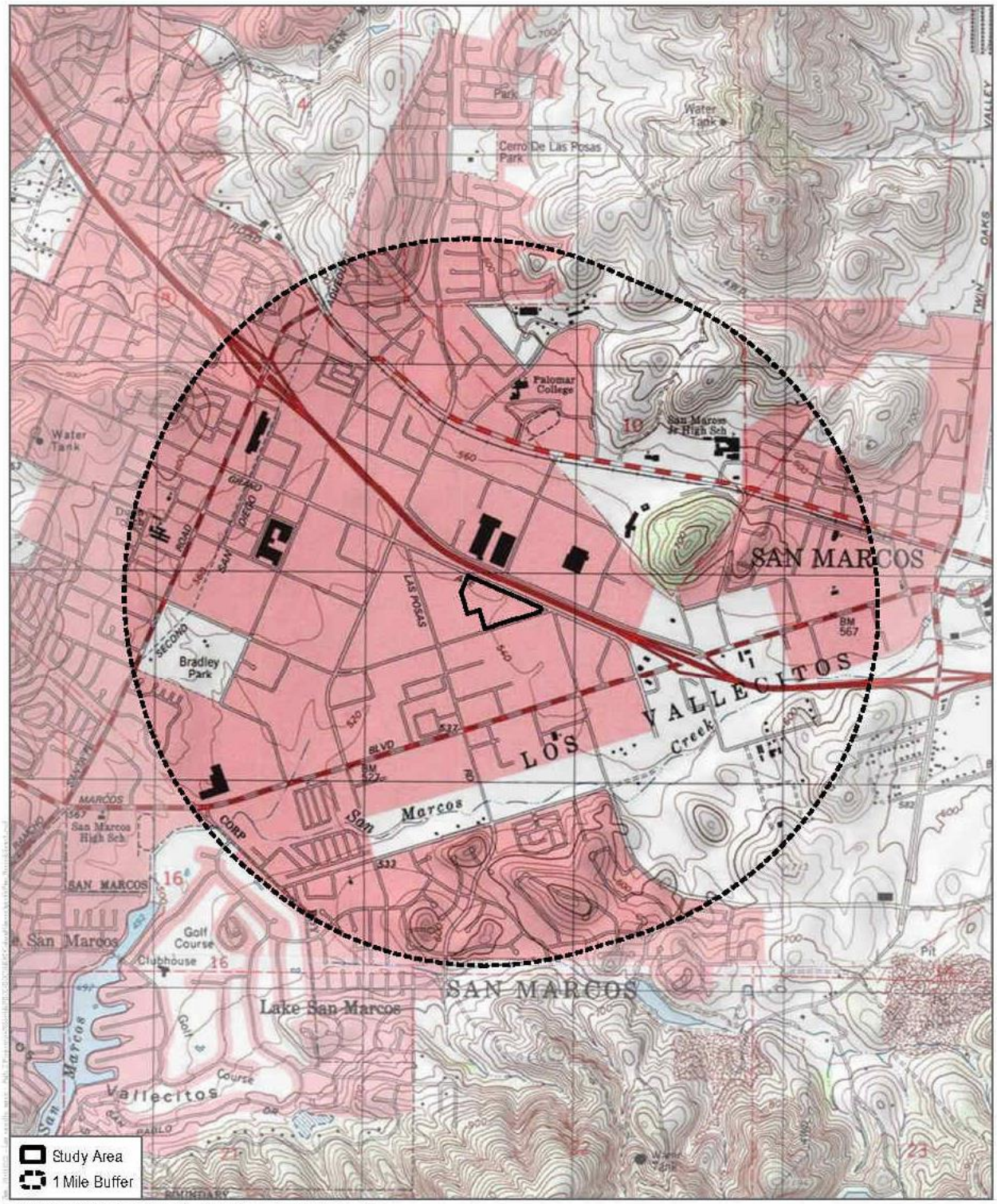

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605 THIRD STREET
ENCINITAS, CALIFORNIA 92024
T 760.942.5147 T 800.450.1818 F 760.632.0164

December 13, 2022

Ms. Gwendolyn Parada, Chairperson
La Posta Band of Diegueno Mission Indians
8 Crestwood Rd.
Boulevard, CA 91905

Subject: ***Information Request for the San Marcos Specific Plan Project in San Marcos, California***

Dear Ms. Parada,

The Marcos Specific Plan Project is being proposed in the city of San Marcos, San Diego County, California. The proposed Project is located at the corner of Grand Avenue and Linda Vista Avenue. The proposed Project would include the development of 102,000 square feet of commercial uses consisting of office, retail, restaurant, event, studio, gallery, and creative spaces with outdoor walkways and patios. The proposed Project area comprises approximately 6.54 acres. This area falls within the following PLSS area: Township12S/Range 3W, Section 10; 7.5-minute Series San Marcos, Rancho Santa Fe Quadrangles, CA 1:24,000 USGS maps (Figure 1).

As part of the cultural resources study prepared for the proposed project, Dudek contacted the California Native American Heritage Commission (NAHC) to request a Sacred Lands File (SLF) search and a list of Native American individuals and/or tribal organizations who may have knowledge of cultural resources in or near the proposed project area. The NAHC emailed a response on November 30, 2022, which stated that the SLF search did not identify the presence of Native American cultural resources in the immediate project area.

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Respectfully,

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Archaeologist
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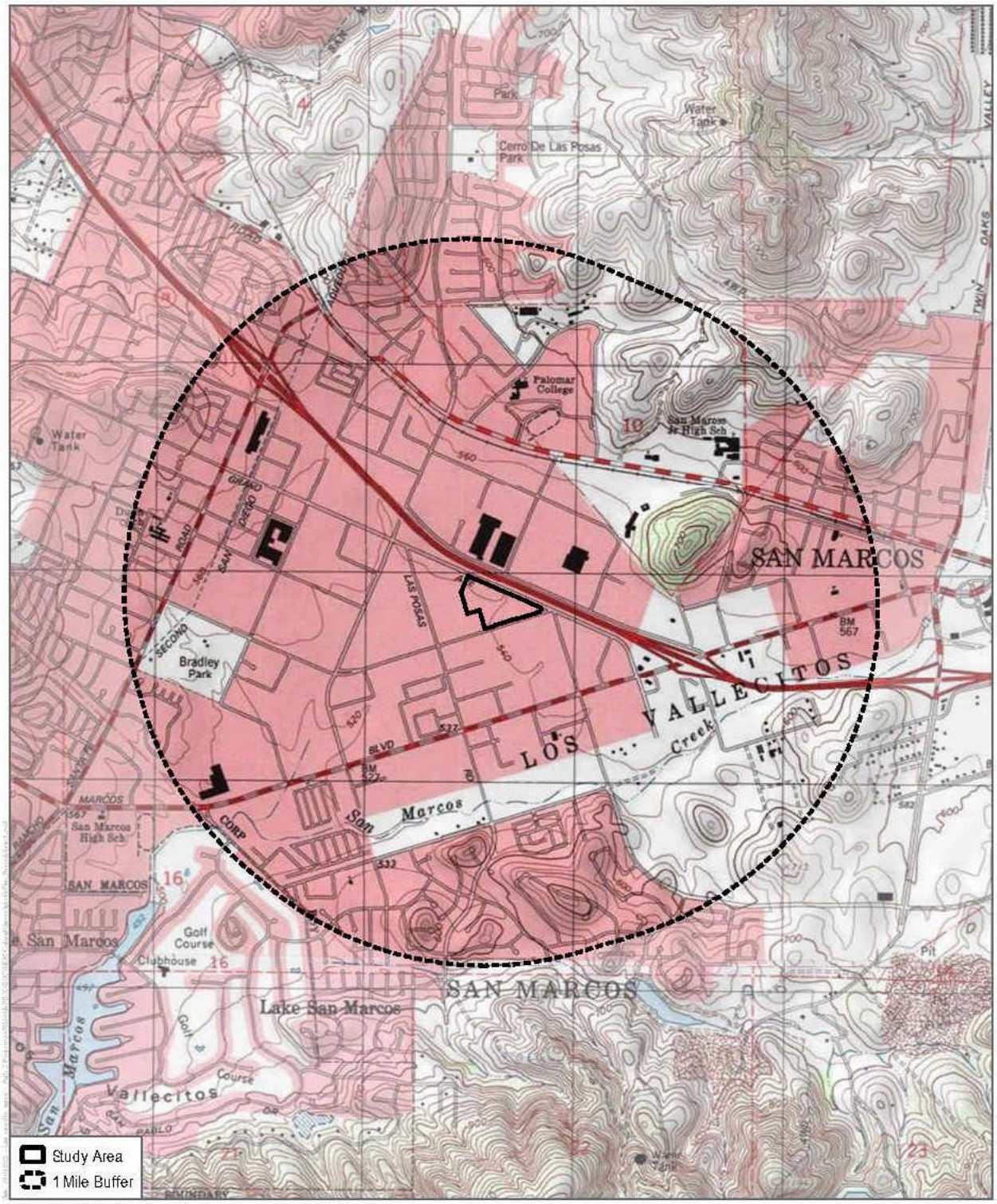

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MAIN OFFICE
605 THIRD STREET
ENCINITAS, CALIFORNIA 92024
T 760.942.5147 T 800.450.1818 F 760.632.0164

December 13, 2022

Mr. Virgil Perez, Chairperson
Iipay Nation of Santa Ysabel
P.O. Box 130
Santa Ysabel, CA 92070

Subject: ***Information Request for the San Marcos Specific Plan Project in San Marcos, California***

Dear Mr. Perez,

The Marcos Specific Plan Project is being proposed in the city of San Marcos, San Diego County, California. The proposed Project is located at the corner of Grand Avenue and Linda Vista Avenue. The proposed Project would include the development of 102,000 square feet of commercial uses consisting of office, retail, restaurant, event, studio, gallery, and creative spaces with outdoor walkways and patios. The proposed Project area comprises approximately 6.54 acres. This area falls within the following PLSS area: Township12S/Range 3W, Section 10; 7.5-minute Series San Marcos, Rancho Santa Fe Quadrangles, CA 1:24,000 USGS maps (Figure 1).

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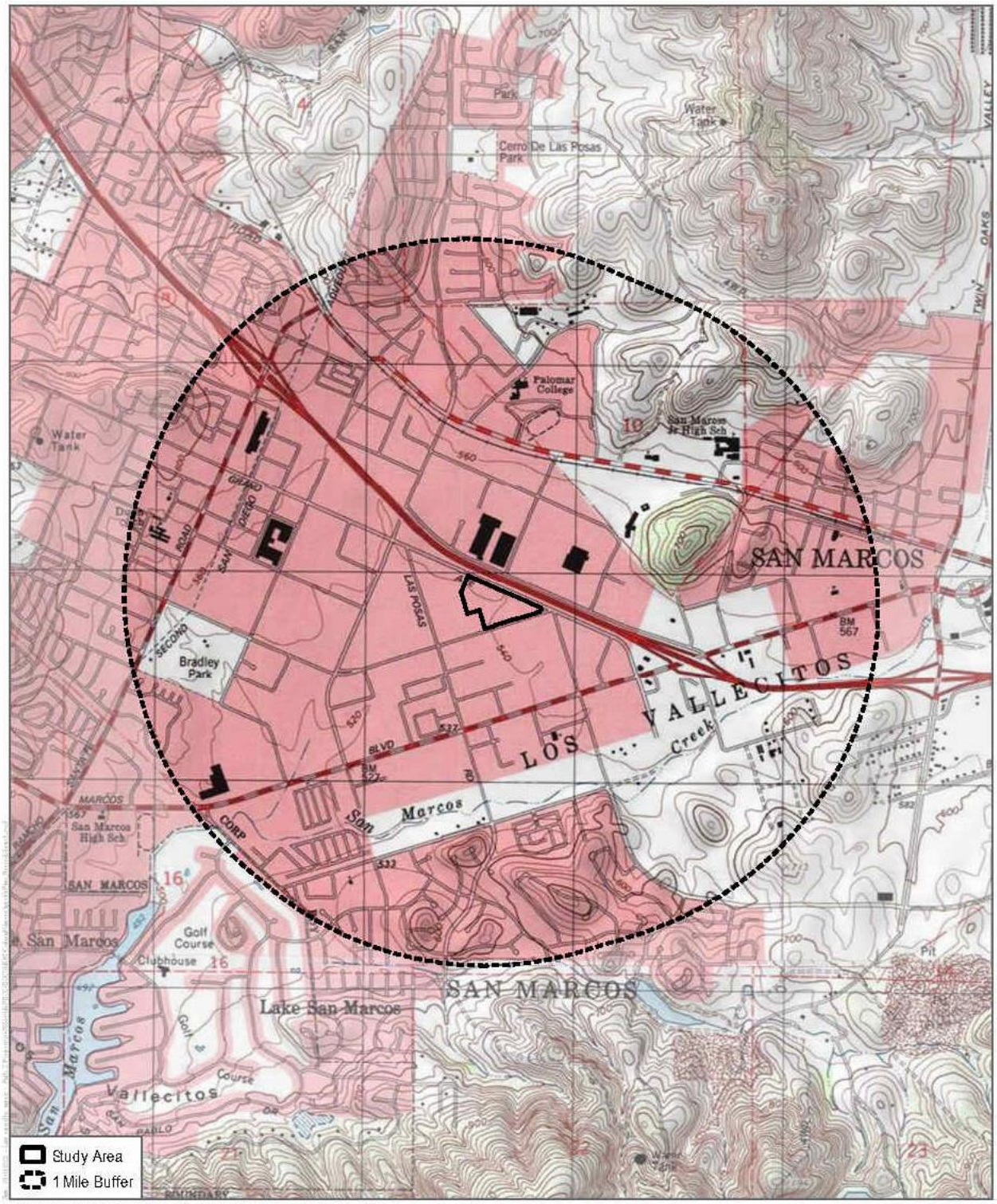

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605 THIRD STREET
ENCINITAS, CALIFORNIA 92024
T 760.942.5147 T 800.450.1818 F 760.632.0164

December 13, 2022

Mr. Ernest Pingleton, Tribal Historic Officer
Viejas Band of Kumeyaay Indians
1 Viejas Grade Rd.
Alpine, CA 91901

Subject: ***Information Request for the San Marcos Specific Plan Project in San Marcos, California***

Dear Mr. Pingleton,

The Marcos Specific Plan Project is being proposed in the city of San Marcos, San Diego County, California. The proposed Project is located at the corner of Grand Avenue and Linda Vista Avenue. The proposed Project would include the development of 102,000 square feet of commercial uses consisting of office, retail, restaurant, event, studio, gallery, and creative spaces with outdoor walkways and patios. The proposed Project area comprises approximately 6.54 acres. This area falls within the following PLSS area: Township12S/Range 3W, Section 10; 7.5-minute Series San Marcos, Rancho Santa Fe Quadrangles, CA 1:24,000 USGS maps (Figure 1).

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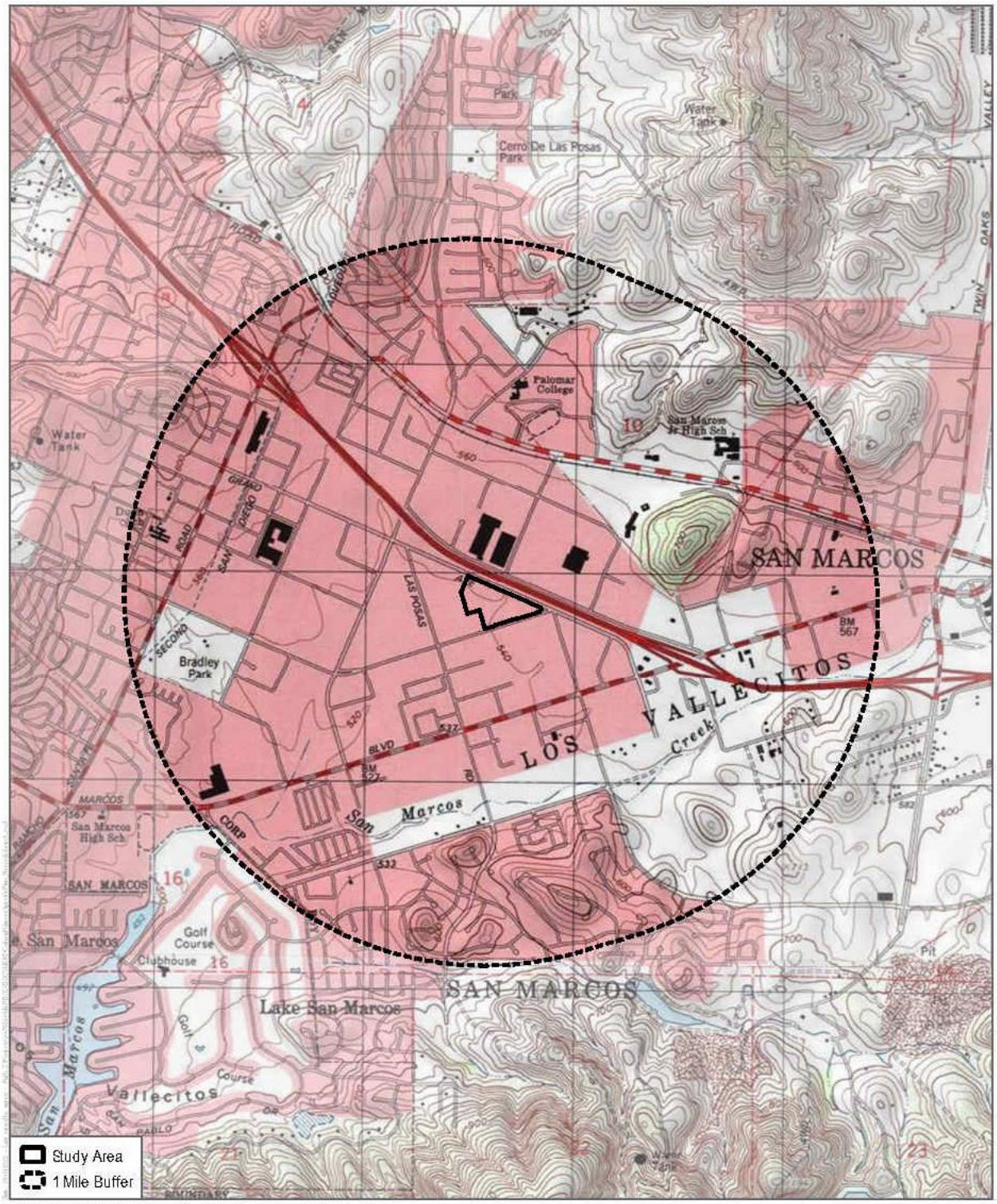

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MAIN OFFICE
605 THIRD STREET
ENCINITAS, CALIFORNIA 92024
T 760.942.5147 T 800.450.1818 F 760.632.0164

December 13, 2022

Ms. Erica Pinto, Chairperson
Jamul Indian Village
P.O. Box 612
Jamul, CA 91935

Subject: ***Information Request for the San Marcos Specific Plan Project in San Marcos, California***

Dear Ms. Pinto,

The Marcos Specific Plan Project is being proposed in the city of San Marcos, San Diego County, California. The proposed Project is located at the corner of Grand Avenue and Linda Vista Avenue. The proposed Project would include the development of 102,000 square feet of commercial uses consisting of office, retail, restaurant, event, studio, gallery, and creative spaces with outdoor walkways and patios. The proposed Project area comprises approximately 6.54 acres. This area falls within the following PLSS area: Township12S/Range 3W, Section 10; 7.5-minute Series San Marcos, Rancho Santa Fe Quadrangles, CA 1:24,000 USGS maps (Figure 1).

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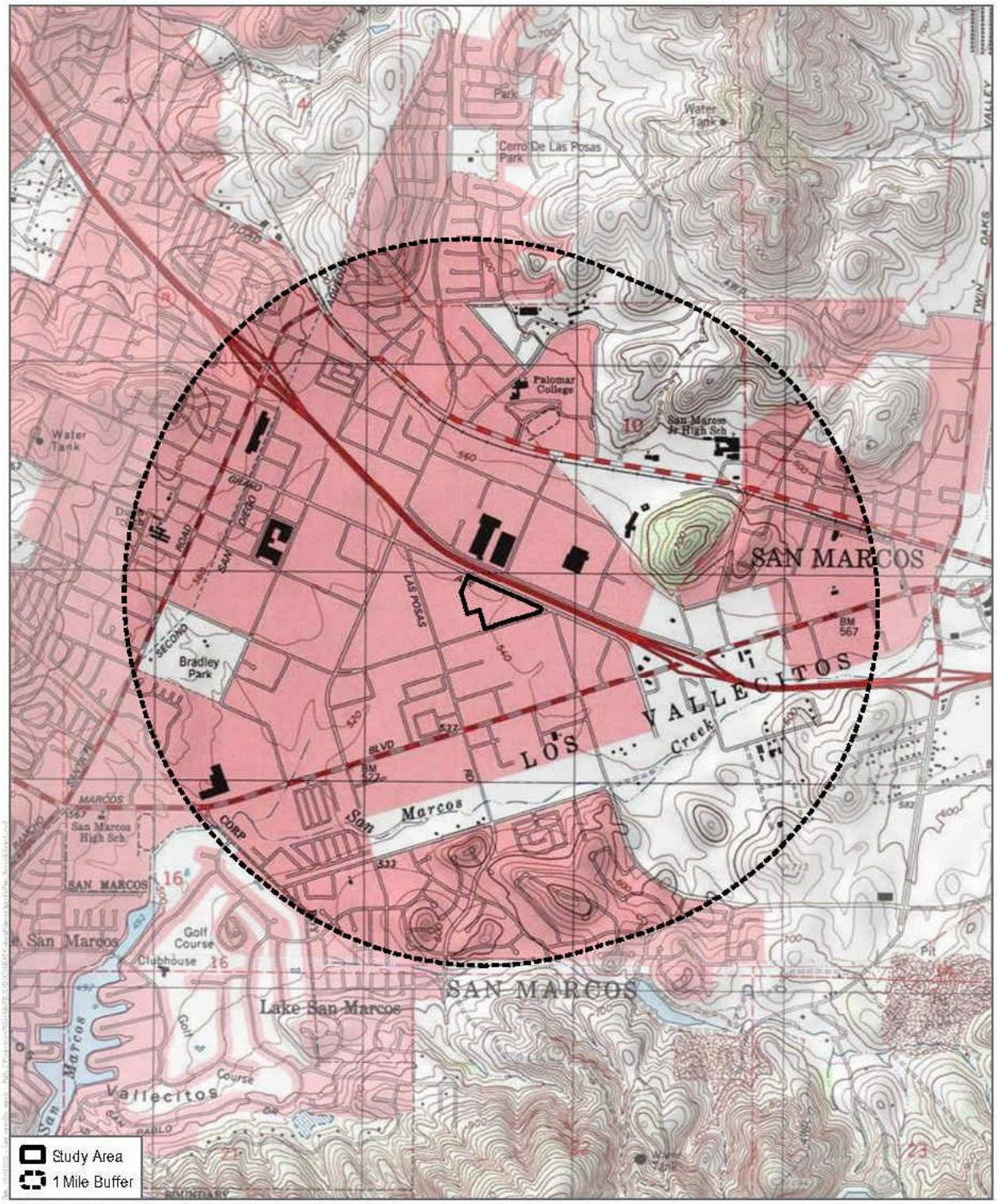

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Marcos Specific Plan Project

DUDEK

MAIN OFFICE
605 THIRD STREET
ENCINITAS, CALIFORNIA 92024
T 760.942.5147 T 800.450.1818 F 760.632.0164

December 13, 2022

Ms. Angela Elliott Santos, Chairperson
Manzanita Band of Kumeyaay Nation
P.O. Box 1302
Boulevard, CA 91905

Subject: ***Information Request for the San Marcos Specific Plan Project in San Marcos, California***

Dear Ms. Santos,

The Marcos Specific Plan Project is being proposed in the city of San Marcos, San Diego County, California. The proposed Project is located at the corner of Grand Avenue and Linda Vista Avenue. The proposed Project would include the development of 102,000 square feet of commercial uses consisting of office, retail, restaurant, event, studio, gallery, and creative spaces with outdoor walkways and patios. The proposed Project area comprises approximately 6.54 acres. This area falls within the following PLSS area: Township12S/Range 3W, Section 10; 7.5-minute Series San Marcos, Rancho Santa Fe Quadrangles, CA 1:24,000 USGS maps (Figure 1).

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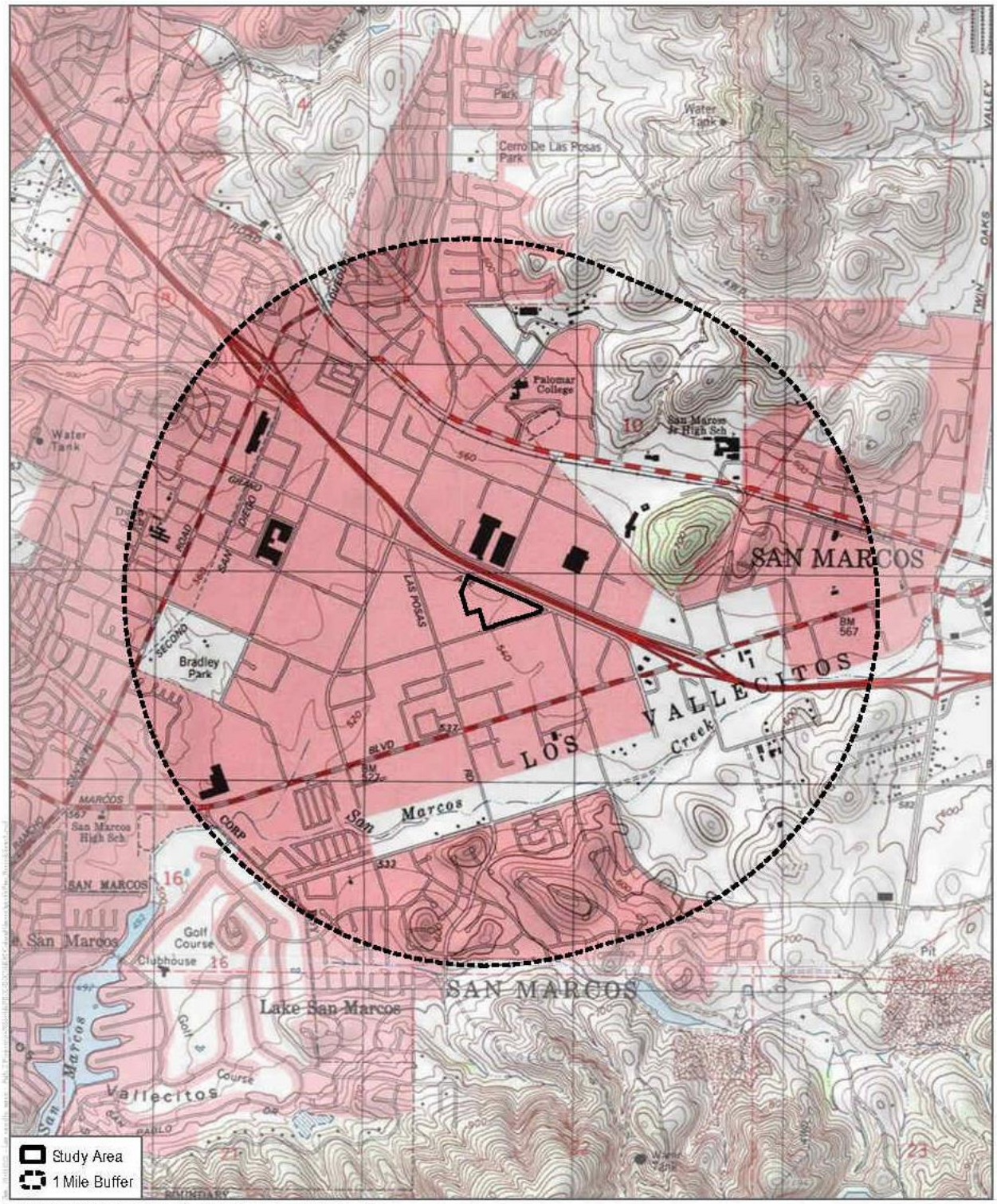

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605 THIRD STREET
ENCINITAS, CALIFORNIA 92024
T 760.942.5147 T 800.450.1818 F 760.632.0164

December 13, 2022

Mr. Isaiah Vivanco, Chairperson
Soboba Band of Luiseno Indians
P.O. Box 487
San Jacinto, CA 92581

Subject: ***Information Request for the San Marcos Specific Plan Project in San Marcos, California***

Dear Mr. Vivanco,

The Marcos Specific Plan Project is being proposed in the city of San Marcos, San Diego County, California. The proposed Project is located at the corner of Grand Avenue and Linda Vista Avenue. The proposed Project would include the development of 102,000 square feet of commercial uses consisting of office, retail, restaurant, event, studio, gallery, and creative spaces with outdoor walkways and patios. The proposed Project area comprises approximately 6.54 acres. This area falls within the following PLSS area: Township12S/Range 3W, Section 10; 7.5-minute Series San Marcos, Rancho Santa Fe Quadrangles, CA 1:24,000 USGS maps (Figure 1).

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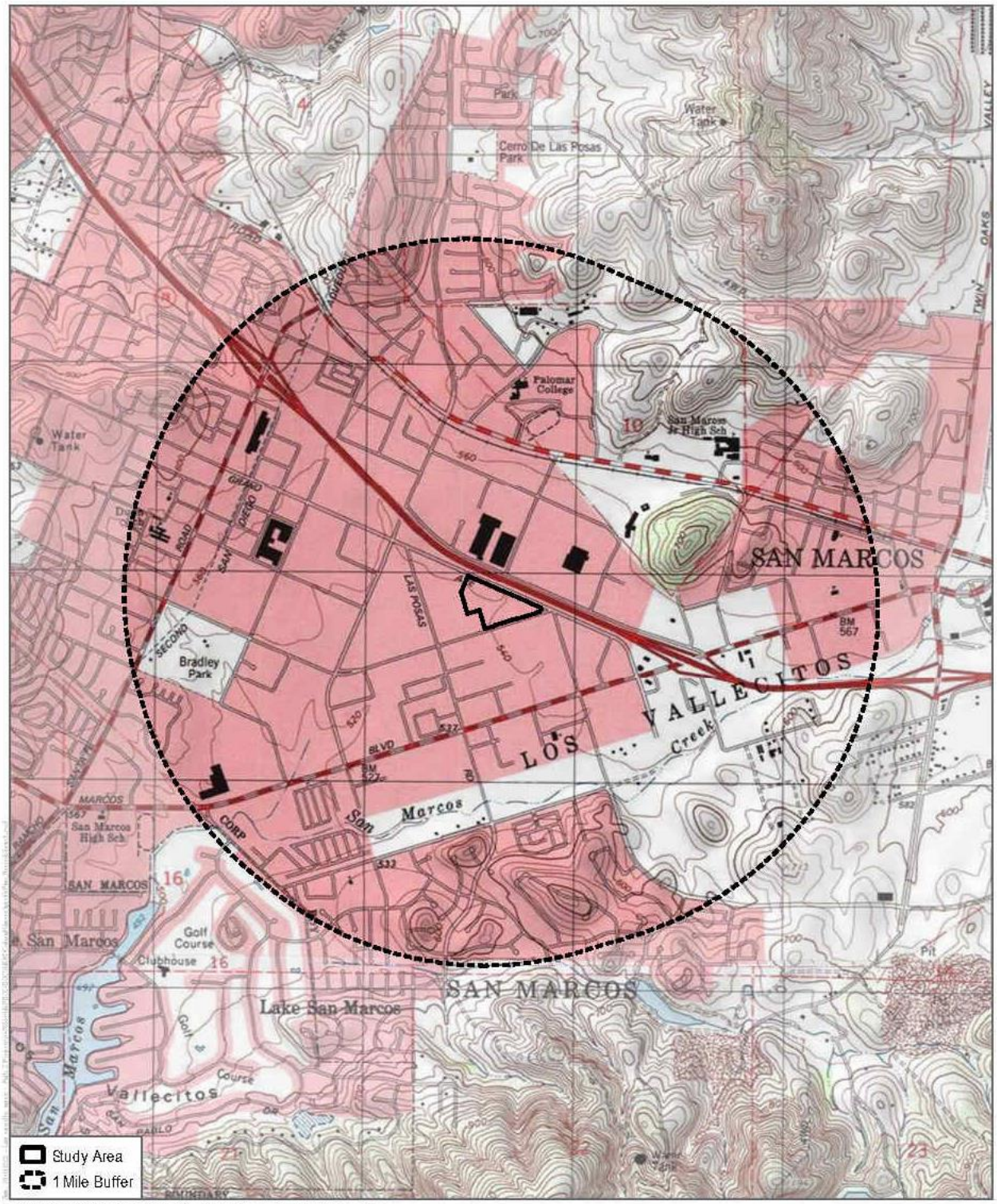

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605 THIRD STREET
ENCINITAS, CALIFORNIA 92024
T 760.942.5147 T 800.450.1818 F 760.632.0164

December 13, 2022

Cultural Department ,
San Luis Rey Band of Mission Indians
1889 Sunset Dr.
Vista, CA 92081

Subject: ***Information Request for the San Marcos Specific Plan Project in San Marcos, California***

Dear ,

The Marcos Specific Plan Project is being proposed in the city of San Marcos, San Diego County, California. The proposed Project is located at the corner of Grand Avenue and Linda Vista Avenue. The proposed Project would include the development of 102,000 square feet of commercial uses consisting of office, retail, restaurant, event, studio, gallery, and creative spaces with outdoor walkways and patios. The proposed Project area comprises approximately 6.54 acres. This area falls within the following PLSS area: Township12S/Range 3W, Section 10; 7.5-minute Series San Marcos, Rancho Santa Fe Quadrangles, CA 1:24,000 USGS maps (Figure 1).

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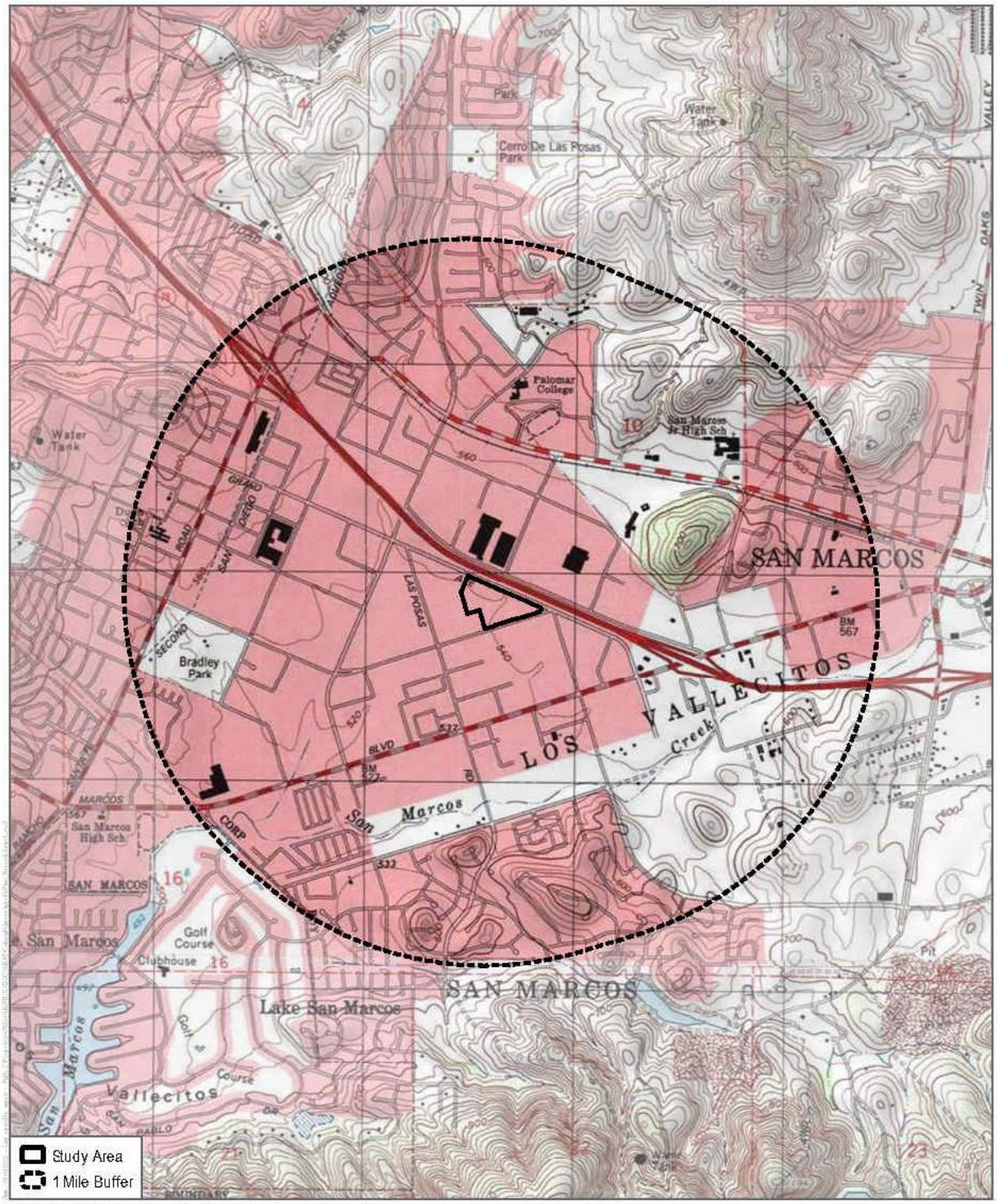

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605 THIRD STREET
ENCINITAS, CALIFORNIA 92024
T 760.942.5147 T 800.450.1818 F 760.632.0164

December 13, 2022

Tribal Council ,
San Luis Rey Band of Mission Indians
1889 Sunset Dr.
Vista, CA 92081

Subject: ***Information Request for the San Marcos Specific Plan Project in San Marcos, California***

Dear ,

The Marcos Specific Plan Project is being proposed in the city of San Marcos, San Diego County, California. The proposed Project is located at the corner of Grand Avenue and Linda Vista Avenue. The proposed Project would include the development of 102,000 square feet of commercial uses consisting of office, retail, restaurant, event, studio, gallery, and creative spaces with outdoor walkways and patios. The proposed Project area comprises approximately 6.54 acres. This area falls within the following PLSS area: Township12S/Range 3W, Section 10; 7.5-minute Series San Marcos, Rancho Santa Fe Quadrangles, CA 1:24,000 USGS maps (Figure 1).

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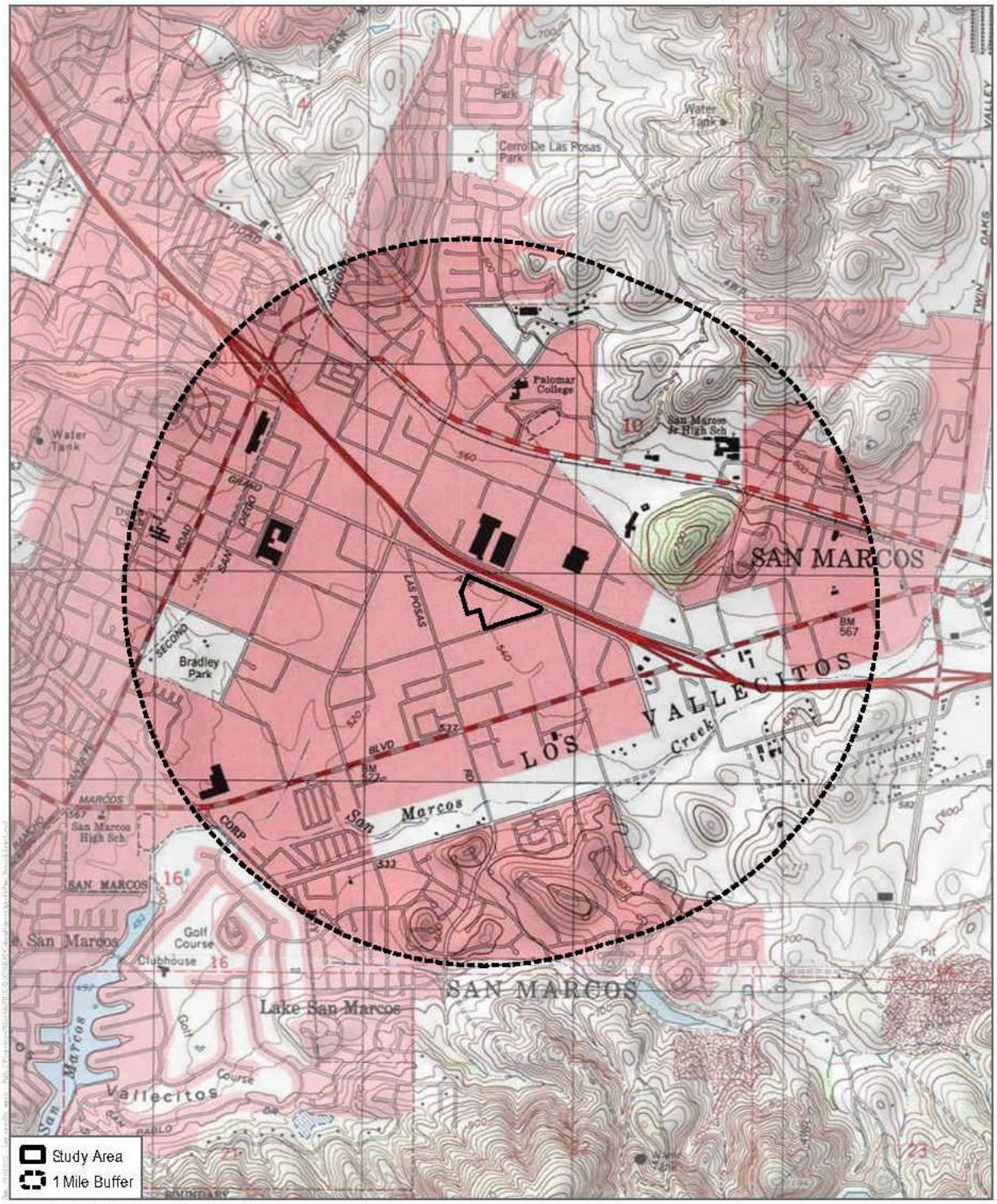

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Records Search
Marcos Specific Plan Project

IPAI

SAN PASQUAL BAND OF MISSION INDIANS

SAN PASQUAL RESERVATION

January 13, 2023

TRIBAL COUNCIL

Stephen W. Cope
Tribal Chairman

Victoria Diaz
Vice Chair

Jenny Alto
Secretary-Treasurer

Roberta Cameron
Councilmember

Joyce L. Stein
Councilmember

DUDEK
David Faith M.A., RPA
Archaeologist

RE: San Marcos Specific Plan

Dear Mr. Faith,

The San Pasqual Band of Mission Indians Tribal Historic Preservation Office has received your notification of the project referenced above. This letter constitutes our response on behalf of Desiree M. Whitman THPO of the San Pasqual Band of Diegueno Indians.

We have consulted our maps and determined that the project as described is not within the boundaries of the recognized San Pasqual Indian Reservation. It is, however, within the boundaries of the territory that the tribe considers its Traditional Use Area (TUA). Furthermore, As the project progresses, we would like to engage in formal government-to-government consultation under AB-52 so that San Pasqual can have a voice in the development of the measures that will be taken to protect these sites and mitigate any adverse impacts. We would appreciate being given access to any cultural resource reports that have been or will be generated during the environmental review process so we can contribute most effectively to the consultation process.

We appreciate your involvement with your initiative and look forward to working with you on future efforts. If you have questions or need additional information, please do not hesitate to contact me by telephone at 760-651-5142 or angelinag@sanpasqualtribe.org

Sincerely,

Angelina Gutierrez

Angelina Gutierrez
Tribal Historic Preservation Office, Deputy THPO/Monitor Supervisor
San Pasqual Band of Mission Indians

Rincon Band of Luiseño Indians
CULTURAL RESOURCES DEPARTMENT

One Government Center Lane | Valley Center | CA 92082
(760) 749-1092 | Fax: (760) 749-8901 | rincon-nsn.gov

February 21, 2023

Sent via email: JFarace@san-marcos.net
City of San Marcos
Joseph Farace
Planning Division
1 Civic Center Drive
San Marcos, CA 92069

Re: SP22-0003 San Marcos Specific Plan Project

Dear Mr. Farace,

This letter is written on behalf of the Rincon Band of Luiseño Indians ("Rincon Band" or "Tribe"), a federally recognized Indian tribe and sovereign government. Thank you for consulting with the Tribe on the above-mentioned project and providing us with Dudek's Cultural Resources Phase I Inventory Report for the San Marcos Specific Plan Project (Project).

The Rincon Band of Luiseño Indians Tribal Historic Preservation Office (THPO) has reviewed the provided documents and agrees with the proposed measures, which include archaeological and tribal monitoring, a monitoring report, and protocols for discovery of cultural material and human remains including reburial of cultural materials on-site. The THPO has no further comments or concerns regarding this project and can conclude consultation at this time. We do ask that if the project plans for this project changes, that you please notify the Rincon Band. In addition, we request a copy of the final monitoring report, when available and ask that Rincon be afforded the opportunity to monitor the ground disturbances associated with this project.

The Rincon Band reserves its right to continue to fully participate in the environmental review process and to review and submit additional information during the public review process. If you have additional questions or concerns, please do not hesitate to contact our office at your convenience at (760) 749 1092 ext. 323 or via electronic mail at cmadrigal@rincon-nsn.gov. Thank you for the opportunity to protect our cultural heritage.

Sincerely,

Cheryl Madrigal
Tribal Historic Preservation Officer
Cultural Resources Manager

Bo Mazzetti, Chairman | Tishmall Turner, Vice Chair | Laurie E. Gonzalez, Council Member | John Constantino, Council Member | Joseph Linton, Council Member

SAN LUIS REY BAND OF MISSION INDIANS

1889 Sunset Drive • Vista, California 92081
760-724-8505 • FAX 760-724-2172
www.slrmissionindians.org

June 1, 2023

Joseph Farace
Planning Division Director
City of San Marcos
201 North Broadway
Escondido, CA 92025

VIA ELECTRONIC MAIL
jfarace@san-marcos.net

RE: Confidential Communication Pursuant to California Public Resources Code section 21080.3.1 for MARCOs SP (APNs 760-248-07-00, 760-248-06-00, 760-248-02-00, 760-248-19-00, 219-152-14-00, 219-152-40-00, 219-152-61-00, 760-248-43-00, 219-152-42-00, 219-152-45-00, and 219-152-44-00) – Request to Conclude Consultation Between the City of San Marcos and SLR

Dear Mr. Farace:

This letter is in reference to the City of San Marcos and the San Luis Rey Band of Mission Indians ("SLR") continued consultation for the MARCOs (PN 3637-SD) Project. This is a confidential communication between the City and SLR and should not be shared and/or duplicated without SLR's expressed written consent.

Thank you for providing SLR with the proposed mitigation measures for tribal cultural resources (APNs 760-248-07-00, 760-248-06-00, 760-248-02-00, 760-248-19-00, 219-152-14-00, 219-152-40-00, 219-152-61-00, 760-248-43-00, 219-152-42-00, 219-152-45-00, and 219-152-44-00) for the project's environmental document. The Tribe has reviewed the mitigation measures and concurs with the City that they adequately address the Tribe's concerns as discussed during our previous consultations and are culturally-appropriate as required by CEQA.

If the aforementioned mitigation measures will be the recommended mitigation measures for tribal cultural resources for this Project, then the San Luis Rey Band of Mission Indians respectfully requests to conclude consultation pursuant to SB 18. If, however, the City will not recommend the aforementioned mitigation measures in their ***entirety*** to the City's decision-making body, then please immediately contact me at 760.917-1736 for a continued consultation meeting.

Sincerely,

Cami Mojado
Cultural Resources Manager
San Luis Rey Band of Mission Indians

Confidential Appendix C

Updated DPR

Appendix E
Geotechnical Evaluation

GEOTECHNICAL EVALUATION
PROPOSED COMMERCIAL DEVELOPMENT
GRAND AVENUE AND LINDA VISTA DRIVE
SAN MARCOS, CALIFORNIA

PREPARED FOR

AOA SAN MARCOS, LLC.
709 RANDOLPH AVENUE
COSTA MESA, CALIFORNIA 92626

PREPARED BY

GEOTEK, INC.
1384 POINSETTIA AVENUE, SUITE A
VISTA, CALIFORNIA 92081

PROJECT NO. 3637-SD **JUNE 21, 2021**

GEOTEK

GeoTek, Inc.
1384 Poinsettia Avenue, Suite A Vista, CA 92081-8505
(760) 599-0509 Office (760) 599-0593 Fax www.geotekusa.com

June 21, 2021
Project No. 3637-SD

AOA San Marcos, LLC
709 Randolph Avenue
Costa Mesa, California 92626

Attention: Mr. Chris Bennett

Subject: Geotechnical Evaluation
Proposed Commercial Development
Grand Avenue and Linda Vista Drive
San Marcos, California

Dear Mr. Bennett:

We are pleased to provide the results of our geotechnical evaluation for the subject project located in the City of San Marcos, California. This report presents the results of our evaluation and provides preliminary geotechnical recommendations for earthwork, foundation design, and construction. In our opinion, site development appears feasible from a geotechnical viewpoint provided that the recommendations included herein are incorporated into the design and construction phases of site development. The opportunity to be of service is sincerely appreciated. If you should have any questions, please do not hesitate to call our office.

Respectfully submitted,
GeoTek, Inc.

CERTIFIED ENGINEERING GEOLOGIST Christopher D. Livesey 2733 STATE OF CALIFORNIA

PROFESSIONAL GEOLOGIST TIMOTHY EDWARD METCALFE No. 1142 CERTIFIED ENGINEERING GEOLOGIST STATE OF CALIFORNIA

LICENSED PROFESSIONAL ENGINEER GABY M. BOGDANOFF NO. 3133 GEOTECHNICAL STATE OF CALIFORNIA

Christopher D. Livesey	Timothy E. Metcalfe	Gaby M. Bogdanoff
CEG 2733, Exp. 05/31/23	CEG 1142	GE 3133, Exp. 06/30/22
Project Geologist	Principal Geologist	Project Engineer

Distribution: (1) Addressee via email

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ENCLOSURES

Figure 1 – Site Location Map
Figure 2 – Boring Location Map
Figure 3 – Site Conceptual Map

Appendix A – Exploratory Boring Logs and Infiltration Worksheets by GeoTek
Appendix B – Exploratory Trench and Boring Logs and Laboratory Test Results by Vinje & Middleton Engineering (1997) and Geobase (1990).
Appendix C – Laboratory Test Results by GeoTek
Appendix D – General Earthwork Grading Guidelines

1. PURPOSE AND SCOPE OF SERVICES

The purpose of this study was to evaluate and provide a general perspective of the geotechnical conditions on the site, that can be used for planning and general budget purposes. Services provided for this study included the following:

- Research and review of available geologic and geotechnical data, and general information pertinent to the site including records obtained by request sent to the city of San Marcos.
- Excavation of six hollow stem auger borings onsite and collection of relatively undisturbed and bulk soil samples for subsequent laboratory testing.
- Eight additional boring specifically to perform percolation tests and infiltration analyses.
- Ten concrete cores of the existing foundation slabs were obtained and tested for compressive strength. Additional subgrade bulk soil samples were obtained for Resistance Value (R-value) analyses.
- Laboratory testing of the soil samples collected during the field investigation.
- Review and evaluation of site seismicity.
- Geologic and engineering analyses of the data obtained.

Compilation of this geotechnical report which presents findings of pertinent site geotechnical conditions and geotechnical recommendations for site development.

2. SITE DESCRIPTION AND PROPOSED DEVELOPMENT

2.1 SITE DESCRIPTION

The subject project site is located west of the intersection of Grand Avenue and Linda Vista Drive in San Marcos, California. The general location of the site is shown in Figure 1.

The site is comprised of 12.1 acres of land including San Diego County Assessor Parcel Numbers (APNs) 760-248-07-00, 760-248-06-00, 760-248-02-00, 760-248-19-00, 219-152-14-00, 219-152-40-00, 219-152-61-00, 760-248-43-00, 219-152-42-00, 219-152-45-00, and 219-152-44-00. The

property is bisected by a small earthen channel that drains from Grand Avenue to the south and then to the west. Site topographic relief is gentle; elevations vary from approximately 535 feet (ft) in the channel at the western boundary to 547ft at the east corner and 543ft at the northern corner, sloping generally to the channel. The site contains the remnants of various, previously existing building foundations, pavements, slabs, and other improvements. According to the historical images by Google Earth, almost the entire site was developed before 1994, and the improvements were demolished sometime between 2010 and 2012. The reason for demolition is not known at this time.

The site is generally bounded to the west by various commercial properties, to the north and east by Grand Avenue followed by Ronald Packard Parkway (State Route 78), and to the south by Linda Vista Drive with existing commercial sites and vacant land beyond. The site is currently accessible via Grand Avenue and Linda Vista Drive.

2.2 PROPOSED DEVELOPMENT

The Conceptual Site Plan, prepared Lane Goodkind + Associates, undated, indicates the project will include the construction of various buildings to house restaurants/cafes, retail stores, studios, and the like. No details regarding the height of structures or possible foundation loads have been made available to us. We do anticipate a variety of different construction types likely mostly with slab-on-grade floor and conventionally reinforced shallow foundations; although some deepened foundations system might be warranted.

Site improvements such as parking/drive areas, utilities, hardscape and landscape areas are also expected. Access to the development would continue to be provided by driveways off Grand Avenue and Linda Vista Drive. A bridge structure is under construction crossing over the existing earthen channel to facilitate transit within the development. The proposed Conceptual Site Development is shown on Figure 3.

Portions of the existing slab are considered to remain in place and rehabilitated or modified aesthetically to be incorporated in the proposed development.

We were also informed that final project plans would likely include permeable pavers and/or detention basins as stormwater management at the property.

As site planning progresses and additional or revised plans become available, they should be provided to GeoTek for review and comment. Additional geotechnical studies field exploration, laboratory testing and engineering analyses may be necessary to provide specific earthwork recommendations and geotechnical design parameters for actual site development plans.

3. REVIEW OF PAST REPORTS

On June 13, 1997, Vinje & Middleton Engineering, Inc. (Vinje) issued a report entitled *Preliminary Soil Investigation, 0.92 Acre Parcel, Grand Avenue, San Marcos.* The investigation was conducted for Parcel 219-152-40-00 located within the north-central portion of the site and immediately east and adjacent to the existing earthen channel. The study included four exploratory trenches excavated to depths of 8.5 to 10.5 feet below grade. The trenches encountered a 1.5- to 2.0-feet thick layer of uncontrolled fill consisting of sandy to clayey soils. Below the fill, alluvial deposits were logged comprised of interbedded sands and clays in a soft/loose in-place condition. Bedrock materials were logged at depths of ranging from 6 to 8.5 feet consisting of interbedded sandstone and claystone. Minor water seepage was encountered at about 5 to 6 feet below grade in the two western trenches (T-1 and T-3), which were nearest the channel where standing water was reported.

Vinje recommended removals to bedrock for the entire site. It also stated that dewatering may be necessary to complete the grading near the western property line. Vinje anticipated soils with "very low" to "low" expansion potential at final finish grades.

Logs of the exploratory trenches and laboratory test results reported in the Vinje study are included in Appendix B. The approximate locations of these explorations are shown on the Boring Location Map presented as Figure 2.

In August of 1990, Geobase, Inc. (Geobase) issued a report entitled *Preliminary Geotechnical Investigation, 1020 Linda Vista Drive, San Marcos.* The report was conducted for the property adjacent to the project at the southwest corner. The investigation included two exploratory borings to maximum depths of 20 feet. The boring logs indicate about 1 to 1.5 feet of fill, underlain by natural soils of very stiff to hard sand clay, atop siltstone/sandstone bedrock at depths of about 4 to 4.5 feet. Groundwater was encountered in the borings at 16.5 and 17 feet below grade.

Geobase recommended complete fill removal within building areas. It also stated that the site soils have "low" expansion potential and negligible sulfate content.

We also reviewed "Subsurface Site Assessment, Assessor's Parcel Number 219-152-08, 1010 Linda Vista Drive, San Marcos, California" by SCS Engineers, dated January 26, 2016. This environmental assessment indicated the presence of groundwater at depths of 5-7 feet towards the southwest portion of the project.

4. FIELD EXPLORATION AND LABORATORY TESTING

4.1 FIELD EXPLORATION

Our field studies were conducted on April 20 to 21, May 10 to 12 and October 14, 2020 consisted of a site reconnaissance, excavation of six hollow stem auger borings, obtaining ten concrete cores, eight percolation tests, and collection of bulk and relatively undisturbed soil samples for subsequent laboratory testing. Geotechnical borings were advanced with a conventional truck mounted, CME-75, drill rig. The drill rig advanced four percolation test borings on April 10, 2020. A manual auger advanced four additional percolation test borings on May 11, 2020. A geologist from our firm visually logged the borings, obtained the concrete cores, and collected soil samples for laboratory analysis. Approximate locations of exploration locations are presented on the Boring Location Map, Figure 2. Logs of the borings are included in Appendix A.

On October 14, 2020, GeoTek cored ten samples from the existing slab, transported to our laboratory and evaluated for compressive strength in general accordance to ASTM C39 and ASTM C42. The following table presents a summary of the compressive strength of the cores.

Location	Sample ID	Thickness (in)	Compressive Strength (psi)
C-1	1	4.2	3,730
C-2	2	4.8	3,620
C-3	3	4.4	4,110
C-4	4	5.1	4,300
C-5	5	4.5	5,120
C-6	6	4.1	4,550
C-7	7	4.1	3,700
C-8	8	4.1	4,290
C-9	9	4.0	4,180
C-10	10	4.0	4,060

4.2 PERCOLATION AND INFILTRATION TESTING

Borings P-1 through P-8 were excavated within the most accessible areas of the site to be used as percolation test holes. The test holes were 3.5 to 8 inches in diameter and extended to about

2.5 to 5 feet below grade to assess to infiltration properties of the near surface soils for stormwater management. Following completion of the borings, percolation testing was performed by a representative from our firm in general conformance with the city of San Marcos BMP Design Manual (2016). The boreholes were presoaked overnight and the testing was performed the following day. Percolation testing was conducted by adding potable water to the borings, recording the initial depth to water, and allowing the water to percolate for 30 minutes and the depth to water was measured. In general, the percolation testing was performed for approximately six hours to allow rates to stabilize.

For design of stormwater infiltration systems, converting percolation rates to infiltration rates via the Porchet method is generally acceptable and appropriate, as this method factors out the sidewall component of the percolation results and represents the bottom conditions of a shallow basin (infiltration). Therefore, the percolation data obtained was converted via the Porchet method. This method is consistent with the guidelines referenced in the City of San Marcos BMP Design Manual. Results of our infiltration analysis without a factor of safety are presented in the follow table for each of the test areas.

SUMMARY OF INFILTRATION RATES

Location	Approximate Depth (ft)	Infiltration Rate (inches per hour)*
P-1	5	0.00
P-2	5	0.03
P-3	5	0.04
P-4	5	0.00
P-5	2.5	0.03
P-6	2.5	0.00
P-7	2.5	0.03
P-8	2.5	0.03

* Rate was converted to an infiltration rate via the Porchet method

Copies of infiltration conversion sheets are included in Appendix A.

The test results indicate negligible infiltration at the property. This is consistent with the clayey fill and alluvium present at the site. Based on these results we do not considered shallow infiltration as a significant component for stormwater management on the site.

4.3 LABORATORY TESTING

Laboratory testing was performed on bulk and relatively undisturbed soil samples collected during the field exploration. The purpose of the laboratory testing was to evaluate their physical and chemical properties for use in engineering design and analysis. Results of the laboratory testing program, along with a brief description and relevant information regarding testing procedures, are included in Appendix C.

5. GEOLOGIC AND SOILS CONDITIONS

5.1 REGIONAL SETTING

The subject property is located in the Peninsular Ranges geomorphic province. The Peninsular Ranges province is one of the largest geomorphic units in western North America and extends roughly 975 miles from the north and northeasterly adjacent the Transverse Ranges geomorphic province to the peninsula of Baja California. This province varies in width from about 30 to 100 miles. It is bounded on the west by the Pacific Ocean, on the south by the Gulf of California and on the east by the Colorado Desert Province.

The Peninsular Ranges are essentially a series of northwest-southeast oriented fault blocks. Several major fault zones are found in this province. The Elsinore Fault zone and the San Jacinto Fault zones trend northwest-southeast and are found in the near the middle of the province. The San Andreas Fault zone borders the northeasterly margin of the province. The Newport-Inglewood-Rose Canyon Fault zone meanders the southwest margin of the province. No faults are shown in the immediate site vicinity on the geologic map reviewed for the area.

5.2 EARTH MATERIALS

A brief description of the earth materials encountered during our subsurface exploration is presented in the following sections. Based on our field observations and review of published geologic maps and an older geotechnical report (Vinje, 1997), the project site is underlain by a veneer of undocumented fill materials over older alluvium underlain by bedrock of the Santiago Formation.

5.2.1 Undocumented Fill

Fill was encountered in all our borings to depths of about 4 to 5 feet. Fill was also encountered by Vinje (1997) to about 1.5 to 2 feet below grade within the north-central portion of the site. The fill is associated with previous site improvements. The fill consisted of dark brown to reddish

brown, moist, soft to stiff sandy clay and clayey sand. Due to variable insitu density, the existing fill is not considered to be engineered fill.

5.2.2 Older alluvium

Older alluvium was encountered in our excavations. The older alluvium mostly extended to depths ranging from 6 to 10 feet and consisted of sandy clay and clayey sand with some silty sand and sand. The older alluvium was red to orange brown in color, damp to moist, soft/loose to stiff/dense, based on our in-place density tests and field observations.

Alluvium was logged in trenches excavated by Vinje (1997) similarly described to the older alluvium we encountered. The Vinje study was near the creek that transects the property and this may suggest that there is less dense materials along the creek alignment.

5.2.3 Bedrock

The most recent regional geologic map showing the overall site geology (Kenney, M.P., 2007) shows Tertiary-aged Santiago Formation in the vicinity of the site. As encountered in our excavations and trenches by Vinje (1997), the Santiago sedimentary bedrock was noted at approximately 4.5 to 10 feet below grade within the project area and consists of white to light brown, hard sandstone, clayey sandstone, and sandy claystone.

5.3 SURFACE WATER AND GROUNDWATER

5.3.1 Surface Water

Surface, flowing water was only noted during our site visit within the existing channel crossing the center portion of the property. If encountered during earthwork construction, surface water on this site is likely the result of precipitation or possibly some minor surface run-off from immediately surrounding properties. Overall site area drainage is towards the existing channel. Provisions for surface drainage will need to be accounted for by the project civil engineer.

Groundwater was not encountered in the majority of our explorations with the exceptions of borings B-2 and B-4 at about 20 feet below grade. Vinje study was near the creek that transects the property and encountered seepage at 5 to 6 feet in trenches nearest the creek, suggesting this shallow condition may be associated with the creek. Geobase (1990) also reported groundwater conditions at depths ranging from 16.5 to 17 feet; this is reasonably consistent with our data.

The GeoTracker database (https://geotracker.waterboards.ca.gov/) shows five groundwater monitoring wells situated within the southwestern portion of the site. These were associated with an environmental study to assess a UST leakage conducted by SCS Engineering (SCS, 2016).

Copies of some of the associated documentation were provide to us, and indicate that indicate a depth to groundwater on the order of 5 to 7 feet. These were also near the creek alignment. Readers should review the state files and/or the specific reports for additional details regarding specifics of environmental contamination and site closure.

Based on the current groundwater level relative to anticipated depth of removals, ground water is not anticipated to be a factor throughout most of the site during site grading. Localized perched groundwater could be present due to seasonal fluctuations in rainfall and/or near the creek. This may warrant inclusion of subsurface drainage system. Groundwater may impact the excavation for deeper utilities. Additionally, seasonal water levels may impact storm water management.

5.4 EARTHQUAKE HAZARDS

5.4.1 Surface Fault Rupture

The geologic structure of the entire southern California area is dominated mainly by northwest-trending faults associated with the San Andreas system. The site is in a seismically active region. No active or potentially active fault is known to exist at this site nor is the site situated within an "Alquist-Priolo" Earthquake Fault Zone or a Special Studies Zone (Bryant and Hart, 2007). No faults transecting the site were identified on the readily available geologic maps reviewed. The nearest zoned fault is the Newport-Inglewood Rose Canyon fault located approximately 11.6 miles west of the site.

5.4.2 Liquefaction/Seismic Settlement

Liquefaction describes a phenomenon in which cyclic stresses, produced by earthquake-induced ground motion, create excess pore pressures in relatively cohesionless soils. These soils may thereby acquire a high degree of mobility, which can lead to lateral movement, sliding, consolidation and settlement of loose sediments, sand boils and other damaging deformations. This phenomenon occurs only below the water table, but, after liquefaction has developed, the effects can propagate upward into overlying non-saturated soil as excess pore water dissipates.

The factors known to influence liquefaction potential include soil type and grain size, relative density, groundwater level, confining pressures, and both intensity and duration of ground shaking. In general, materials that are susceptible to liquefaction are loose, saturated granular soils having low fines content under low confining pressures.

The liquefaction potential and seismic settlement potential on this site are considered negligible due to the presence of shallow bedrock and the cohesive nature of the on-site older alluvium.

5.4.3 Other Seismic Hazards

Due to the relatively flat nature of the site, the potential for landslides and rockfall is considered negligible. The potential for secondary seismic hazards such as seiche and tsunami is remote due to site elevation and distance from an open body of water.

6. CONCLUSIONS AND RECOMMENDATIONS

6.1 GENERAL

Development of the site appears feasible from a geotechnical viewpoint provided that the following recommendations are incorporated in the design and construction phases of the development. The following sections present general recommendations for currently anticipated site development plans.

As previously discussed, ten concrete cores were obtained and evaluated for compressive strength. Thickness of the concrete at the cord locations ranged between 4 and 5 inches thick and steel reinforcement was absent. It is our understanding the existing concrete to remain in place is proposed to be general flatwork, vehicle parking, and/or drive aisles. The average compressive strength of the cores tested is 4,156 PSI. In consideration of the compressive strength results, the existing concrete may be used for pedestrian areas. In consideration of the lack of reinforcement concrete repurposed for vehicle traffic, albeit light passenger models, and delivery/trash/service vehicles may pose flexural stresses not intended to be imposed on the concrete, concrete performance may degrade and increased maintenance costs may be incurred.

6.2 EARTHWORK CONSIDERATIONS

6.2.1 General

Earthwork and grading should be performed in accordance with the applicable grading ordinances of the city of San Marcos, the 2019 California Building Code (CBC), and recommendations contained in this report. The Grading Guidelines included in Appendix D outline general procedures and do not anticipate all site-specific situations. In the event of conflict, the recommendations presented in the text of this report should supersede those contained in Appendix D.

6.2.2 Site Clearing and Preparation

Site preparation should start with demolition/razing of existing site improvements and removal of deleterious materials and vegetation. Demolition should include removal of all pavements, slabs, foundations, and any other below-grade construction; particular care should be taken on in and around prior structure to remove subsurface improvements. These materials should generally be properly disposed of off-site, generally the soil can be separated and reused as fill. Inert materials (e.g. concrete) can be broken into small (less than 6inch) fragments and reused with the engineered fill. Voids resulting from site clearing (such as removals of underground utilities and trench backfill, foundations, etc.) should be filled to grade with engineered fill materials.

6.2.3 Remedial Grading

For areas not to remain (i.e. existing concrete slab), all existing fills and the upper loose/soft portions of the alluvial materials should be removed from proposed structural areas to expose competent older alluvium or bedrock. Competent older alluvium is defined as native materials that are visually relatively non-porous and having a relative compaction of at least 85 percent of the soil's maximum dry density as determined per ASTM D 1557. Competent bedrock is defined as firm and unyielding to an earthmoving scraper. Based on current data, combined fill and alluvial removals generally on the order of four to six feet below grade are anticipated to be required. Depending on actual field conditions encountered during grading, locally deeper and/or shallower areas of removal may be necessary. As a minimum, removals should extend down and away from foundation elements at a 1:1 (h:v) projection to the recommended removal depth or five feet, whichever is greater.

Soil behavior near boring B-5, at a depth of 5-8 feet, was found to exhibit very high expansion potential. The depth at this location is not anticipated to be encountered during remedial grading, however it is an indicator that soils with a higher expansion potential than a "medium" determination may be present onsite. If encountered, selective grading or burial of "high" and "very high" expansive soils may be desired. Additional remedial grading recommendations can be provided during rough grading operations.

A minimum 24 inches of engineered fill should be provided below the bottom of the proposed foundations.

All existing fill should be removed below hardscape areas. A minimum of 12 inches of engineered fill should be provided below asphaltic concrete pavement and Portland cement concrete hardscape areas. The horizontal extent of removals should extend at least two feet beyond the edge.

The bottom of all removals should be scarified to a minimum depth of six inches, brought to at least optimum moisture content, and compacted to minimum of 90 percent of the soil's maximum dry density as determined per ASTM D 1557.

6.2.4 Engineered Fill

Onsite materials are generally considered suitable for reuse as engineered fill provided they are free from significant organic material (vegatation, roots, etc.), and rock/concrete or hard lumps greater than six inches in maximum dimension. The earthwork contractor should have the proposed excavated materials to be used as engineered fill at this project approved by the soils engineer prior to placement.

Engineered fill materials should be moisture conditioned to at or above optimum moisture content and compacted in horizontal lifts not exceeding eight-inch in loose thickness to a minimum relative compaction of 90 percent per ASTM D 1557.

If fill is being placed on slopes steeper than 5:1 (h:v), the fill should be properly benched into the existing slopes and a sufficient size keyway shall be constructed in accordance with grading guidelines presented in Appendix D.

6.2.5 Excavation Characteristics

Excavations in the onsite soils and shallow weathered bedrock can generally be accomplished with heavy-duty earthmoving or excavating equipment in good operating condition.

6.2.6 Shrinkage and Bulking

Several factors will impact earthwork balancing on the site, including bedrock bulking, undocumented fill and alluvium shrinkage, trench spoil from utilities and footing excavations, as well as the accuracy of topography.

Shrinkage and bulking are dependent upon the degree of compactive effort achieved during construction. For planning purposes, a shrinkage factor ranging from five to ten percent may be considered for the undocumented fill and upper loose/soft older alluvium requiring removal and re-compaction. While true subsidence is not considered a factor, compaction of removal bottoms should be expected to result in 0.5 to 1.0 inches of ground loss which is often considered subsidence.

6.2.7 Trench Excavations and Backfill

Temporary excavations within the onsite materials should be stable at 1:1 (h:v) inclination for short durations during construction, and where cuts do not exceed ten feet in height. Temporary cuts to a maximum height of four feet can be excavated vertically. These may vary based on

exposed conditions. If groundwater is encountered in deeper utility trenches then shoring and possible dewatering may be needed. Test trenches along utility alignment should be considered to assess specific conditions where the invert elevations are greater than 6 feet below current site grades.

Trench excavations should conform to Cal-OSHA regulations. The contractor should have a competent person, per OSHA requirements, on site during construction to observe conditions and to make the appropriate recommendations.

Utility trench backfill should be compacted to at least 90 percent relative compaction of the maximum dry density as determined per ASTM D 1557. Under-slab trenches should also be compacted to project specifications.

Onsite materials is not anticipated to be suitable for use as bedding material but should be suitable as backfill provided materials larger than six inches are removed.

Compaction should be achieved with a mechanical compaction device. Ponding or jetting of trench backfill is not recommended. If backfill soils have dried out, they should be thoroughly moisture conditioned prior to placement in trenches.

6.3 DESIGN RECOMMENDATIONS

6.3.1 Stormwater Infiltration

Many factors control infiltration of surface waters into the subsurface, such as consistency of fill, native soil, and bedrock, geologic structure, material density differences, and existing groundwater conditions. Current site plans do not indicate specific locations and elevations of the proposed stormwater management systems. However, based on our test data and observations, stormwater infiltration is not feasible at the site due to the presence of clayey subsurface materials with negligible rate for infiltration.

6.3.2 Foundation Design Criteria

Preliminary foundation design criteria, in general conformance with the 2019 CBC, are presented herein, for smaller structure with continuous wall loads not extending 2500 pounds per lineal foot and column loads less than 30kips. These are typical design criteria and are not intended to supersede the design by the structural engineer. Specific foundation design criteria should be requested for larger structures.

Based on our visual classification of materials encountered onsite and as verified by laboratory testing, soils near subgrade are anticipate to have "low" (21 ≤ EI ≤ 50) to "medium" (51 ≤ EI ≤ 90) potential for expansion per ASTM D4829. Materials with "very high" expansiveness were also encountered at the property at depth. Additional laboratory testing should be performed at the completion of site grading to verify the expansion potential and plasticity index of the subgrade soils.

The following criteria for design of foundations are preliminary. Additional laboratory testing of the samples obtained during grading should be performed and final recommendations should be based on as-graded soil conditions.

DESIGN PARAMETES FOR CONVENTIONALL REINFORCED SHALLOW FOUNDATIONS		
Design Parameter	"Low" Expansion Potential (21≤EI≤50)	"Medium" Expansion Potential (51≤EI≤90)
Foundation Embedment Depth or Minimum Perimeter Beam Depth (inches below lowest adjacent finished grade)	One- and Two Story – 12	One- and Two Story – 18
Minimum Foundation Width (Inches)*	One- and Two Story – 12	One- and Two Story – 12
Minimum Slab Thickness (actual)	4 inches	4 inches
Minimum Slab Reinforcing	No. 3 rebar 24" on-center, each way, placed in the middle one-third of the slab thickness	No. 3 rebar 18" on-center, each way, placed in the middle one-third of the slab thickness
Minimum Footing Reinforcement	Two No. 4 reinforcing bars, one top and one bottom	Four No. 4 reinforcing bars, two top and two bottom
Effective Plasticity Index**	<15	20
Presaturation of Subgrade Soil (percent of optimum moisture content)	Minimum 110% to a depth of 12 inches	Minimum 120% to a depth of 18 inches

*Code minimums per Table 1809.7 of the 2019 CBC should be complied with.

**Effective Plasticity Index should be verified at the completion of the rough grading.

It should be noted that the above recommendations are based on soil support characteristics only. The structural engineer should design the slab and beam reinforcement based on actual loading conditions.

The following recommendations should be implemented into the design:

- An allowable bearing capacity of 2,000 pounds per square foot (psf) may be used for design of continuous and perimeter footings that meet the depth and width requirements in the table above. This value may be increased by 400 psf for each

additional 12 inches in depth and 100 psf for each additional 12 inches in width to a maximum value of 3,000 psf. Additionally, an increase of one-third may be applied when considering short-term live loads (e.g. seismic and wind loads).

- Based on our experience in the area, structural foundations may be designed in accordance with 2019 CBC, and to withstand a total settlement of 1 inch and maximum differential settlement of one-half of the total settlement over a horizontal distance of 30 feet. Seismically induced settlement is considered to be minimal.

- The passive earth pressure may be computed as an equivalent fluid having a density of 220 psf per foot of depth, to a maximum earth pressure of 2,500 psf for footings founded on engineered fill. A coefficient of friction between soil and concrete of 0.35 may be used with dead load forces. When combining passive pressure and frictional resistance, the passive pressure component should be reduced by one-third.

- A grade beam, a minimum of 12 inches wide and 12 inches deep, should be utilized across large entrances, however, the base of the grade beam should be at the same elevation as the bottom of the adjoining footings.

In lieu of conventionally reinforced shallow foundations, the proposed commercial structures can also utilize post-tensioned slab foundations designed in accordance to the following geotechnical parameters:

DESIGN PARAMETERS FOR POST-TENSIONED SLABS		
Design Parameter	"Low" Expansion Potential	"Medium" Expansion Potential
	LL≤33; PI≤13; Material Passing #200 Sieve = 54%; Clay Fines = 15%	LL≤45; PI≤20; Material Passing #200 Sieve = 60%; Clay Fines = 20%
Edge Moisture Variation Distance, e_m -Edge Lift (swelling) -Center Lift (shrinkage)	 4.8 ft 9.0 ft	 4.4 ft 8.5 ft
Soil Differential Movement, y_m -Edge Lift (swelling) -Center Lift (shrinkage)	 ≈ 0.56 in ≈ 0.24 in	 ≈ 0.89 in ≈ 0.37 in
Ext. Perimeter Beam Embedment	One- or Two-Story – 12 inches*	One- or Two-Story – 18 inches*
Presaturation of Subgrade Soil (Percent of Optimum)	Minimum 110% to a depth of 12 inches	Minimum 120% to a depth of 18 inches

* Required depth of perimeter beam/stiffening rib per structural calculations may govern.

The following assumptions were used to generate e_m and y_m values: Thornthwaite Moisture Index = -20; constant suction value = 3.9pF; post-equilibrium case assumed with wet (swelling) cycle going from 3.9pF to 3.0pF and drying (shrinking) cycle going from 3.9pF to 4.5pF

6.3.3 Underslab Moisture Membrane

A moisture and vapor retarding system should be placed below slabs-on-grade where moisture migration through the slab is undesirable. Guidelines for these are provided in the 2019 California Green Building Standards Code (CALGreen) Section 4.505.2 and the 2019 CBC Section 1907.1

It should be realized that the effectiveness of the vapor retarding membrane can be adversely impacted as a result of construction related punctures (e.g. stake penetrations, tears, punctures from walking on the vapor retarder placed atop the underlying aggregate layer, etc.). These occurrences should be limited as much as possible during construction. Thicker membranes are generally more resistant to accidental puncture that thinner ones. Products specifically designed for use as moisture/vapor retarders may also be more puncture resistant. Although the CBC specifies a 6 mil vapor retarder membrane, it is GeoTek's opinion that a minimum 10 mil membrane with joints properly overlapped and sealed should be considered, unless otherwise specified by the slab design professional.

Moisture and vapor retarding systems are intended to provide a certain level of resistance to vapor and moisture transmission through the concrete, but do not eliminate it. The acceptable level of moisture transmission through the slab is to a large extent based on the type of flooring used and environmental conditions. Ultimately, the vapor retarding system should be comprised of suitable elements to limit migration of water and reduce transmission of water vapor through the slab to acceptable levels. The selected elements should have suitable properties (i.e. thickness, composition, strength and permeability) to achieve the desired performance level.

Moisture retarders can reduce, but not eliminate, moisture vapor rise from the underlying soils up through the slab. Moisture retarder systems should be designed and constructed in accordance with applicable American Concrete Institute, Portland Cement Association, Post-Tensioning Concrete Institute, ASTM and California Building Code requirements and guidelines.

GeoTek does not practice in the field of moisture vapor transmission evaluation/migration, since that practice is not a geotechnical discipline. Therefore, we recommend that a qualified person, such as the flooring contractor, structural engineer, architect, and/or other experts specializing in moisture control within the building be consulted to evaluate the general and specific moisture and vapor transmission paths and associated potential impact on the proposed construction. That person (or persons) should provide recommendations relative to the slab moisture and vapor retarder systems and for migration of potential adverse impact of moisture vapor transmission on various components of the structures, as deemed appropriate. In addition, the

recommendations in this report and our services in general are not intended to address mold prevention; since we, along with geotechnical consultants in general, do not practice in the area of mold prevention. If specific recommendations addressing potential mold issues are desired, then a professional mold prevention consultant should be contacted.

6.3.4 Miscellaneous Foundation Recommendations

- To reduce moisture penetration beneath the slab on grade areas, utility trenches should be backfilled with engineered fill, lean concrete, or concrete slurry where they intercept the perimeter footing or thickened slab edge.

- Spoils from the footing excavations should not be placed in the slab-on-grade areas unless properly compacted and tested. The excavations should be free of loose/sloughed materials and be neatly trimmed at the time of concrete placement.

6.3.5 Foundation Set Backs

Where applicable, the following setbacks should apply to all foundations. Any improvements not conforming to these setbacks may be subject to lateral movements and/or differential settlements:

- The outside bottom edge of all footings should be set back a minimum of H/3 (where H is the slope height) from the face of any descending slope. The setback should be at least 7 feet and need not exceed 40 feet.

- The bottom of all footings for structures near retaining walls should be deepened so as to extend below a 1:1 (h:v) projection upward from the bottom inside edge of the wall stem. This applies to the existing retaining walls along the perimeter, if they are to remain.

- The bottom of any existing foundations for structures should be deepened so as to extend below a 1:1 (h:v) projection upward from the bottom of the nearest excavation.

6.3.6 Seismic Design Parameters

The site is located at approximately 33.1405 Latitude and -117.1862 Longitude. Site spectral accelerations (S_a and S_1), for 0.2 and 1.0 second periods for a Site Class "C" site, were determined from the SEAOC/OSHPD web interface that utilizes the USGS web services and retrieves the

seismic design data and presents that information in a report format. We have selected a Site Class "C" based on the presence of shallow bedrock under the site. The results are presented in the following table and are consistent with the 2019 CBC:

SITE SEISMIC PARAMETERS	
Mapped 0.2 sec Period Spectral Acceleration, S_S	0.897g
Mapped 1.0 sec Period Spectral Acceleration, S_1	0.331g
Site Coefficient for Site Class "C", F_a	1.2
Site Coefficient for Site Class "C", F_v	1.5
Maximum Considered Earthquake (MCE_R) Spectral Response Acceleration for 0.2 Second, S_{MS}	1.076g
Maximum Considered Earthquake (MCE_R) Spectral Response Acceleration for 1.0 Second, S_{M1}	0.496g
5% Damped Design Spectral Response Acceleration Parameter at 0.2 Second, S_{DS}	0.718g
5% Damped Design Spectral Response Acceleration Parameter at 1 second, S_{D1}	0.331g
Site Modified Peak Ground Acceleration, PGA_M	0.465g
Seismic Design Category	D

6.3.7 Soil Corrosivity

The soil resistivity at this site was tested in the laboratory on a sample collected during the field investigation. The results of the testing indicate that the onsite materials are "extremely corrosive" per current standards used by corrosion engineers (Roberge, P.R., 2005). We recommend that a corrosion engineer be consulted to provide recommendations for proper protection of buried metal at this site.

SUMMARY OF CORROSION TEST RESULTS					
Sample Location	Depth (feet)	Minimum Resistivity (ohm-cm)	Sulfates (wt%)	Chlorides (ppm)	pH
B-4	0-5	563	0.0252	417	7.53

6.3.8 Soil Sulfate Content

The sulfate content was determined in the laboratory for a soil sample collected during the field investigation. The results indicate water soluble sulfate is less than 0.1 percent by weight, which is considered "S0" as per Table 19.3.1.1 of ACI 318-14, as such no special recommendations for concrete are included herein.

6.3.9 Preliminary Pavement Design

Based on laboratory testing of onsite soils, preliminary pavement sections have been estimated for a R-value of 6. In the absence of specific Traffic Indices (TIs) provided by the designer, we have provided structural sections for a range of TIs.

PRELIMINARY ASPHALT PAVEMENT STRUCTURAL SECTION		
Traffic Index	Asphaltic Concrete Thickness (inches)	Aggregate Base Thickness (inches)
5.0	3	10
5.5	3	12
6.0	4	12
6.5	4	14

Traffic parameters used for design were selected based upon engineering judgment and not upon information furnished to us. Upon receiving a desired traffic index, our preliminary asphalt concrete pavement design can be updated.

The provided pavement sections are intended as a minimum guideline and final selection of pavement cross section parameters should be made by the project civil engineer, based upon the local laws and ordinates, expected subgrade and pavement response, and desired level of conservatism. If thinner or highly variable pavement sections are constructed, increased maintenance and repair could be expected. Irrigation adjacent to pavements, without a deep curb or other cutoff to separate landscaping from the paving will result in premature pavement failure. Final pavement design should be checked by testing of soils exposed at subgrade (the upper 12 inches) after final grading has been completed.

Asphalt concrete and aggregate base should conform to current Caltrans Standard Specifications Section 39 and 26-1.02, respectively. As an alternative, asphalt concrete can conform to Section 203-6 of the current Standard Specifications for Public Work (Green Book). Crushed aggregate base or crushed miscellaneous base can conform to Section 200-2.2 and 200-2.4 of the Green Book, respectively. Pavement base should be compacted to at least 95 percent of the ASTM D1557 laboratory maximum dry density (modified proctor).

6.3.10 Permeable Pavement Section

If desired, interlocking concrete permeable pavers may be utilized. The pavers are anticipated to be approximately 3.2 inches (80 millimeters) in thickness. We recommend that the pavers be underlain by 2.0 inches of bedding course (No. 8 stone), overlying a 4.0-inch thick open-graded base (No. 57 stone), overlying a 6.0-inch thick subbase reservoir (No. 2 stone). No. 8 stone

should be placed as joint/opening filler. Alternatively, No. 89 or No. 9 stone can be used to fill pavers with narrow joints.

Based on the *ASCE Standard 68-18 Permeable Interlocking Concrete Pavement* (ASCE, 2018), gradations for the bedding, base, and subbase reservoir material are presented in the tables below:

ASTM No. 8 Bedding and Joint/Opening Filler	
Sieve Size	Percent Passing
1/2 in.	100
3/8 in.	85 to 100
No. 4	10 to 30
No. 8	0 to 10
No. 16	0 to 5

ASTM No. 57 Open-Graded Base	
Sieve Size	Percent Passing
1 1/2 in.	100
1 in.	95 to 100
1/2 in.	25 to 60
No. 4	0 to 10
No. 8	0 to 5

ASTM No. 2 Subbase Reservoir	
Sieve Size	Percent Passing
3 in.	100
2 1/2 in.	90 to 100
2 in.	35 to 70
1 1/2 in.	0 to 15
3/4 in.	0 to 5

The permeable paver section should be constructed in accordance with the manufacturer's typical sections and specifications, as applicable. A geotextile such as Mirafi®RS380i or an approved equivalent, should be utilized along the bottom and sides of the subbase reservoir for separation, confinement, filtration and subgrade reinforcement. The placement of these materials should be observed by a representative of this firm.

Since the site soils have negligible infiltration, an underdrain systems is also recommended, with pavement subgrade gently sloped at a gradient of 2% to direct water towards them. The underdrain pipe should consist of a minimum 4-inch diameter schedule 40 pvc pipe with two holes at 120^0 apart from each other along the bottom of the drain pipe. The drain pipe should be placed with the holes facing down. The underdrain should be placed in a trench with minimum 2-inches of clearance between the sides, bottom and lowest adjacent grade of the subgrade.

The pavement section presented above is subject to the review and approval by the city of San Marcos. Performance of the pavement sections will ultimately be based largely on construction methods, traffic loading, and subgrade performance.

Minimum compaction requirements should be 95 percent for subgrade, as per ASTM D 1557 (modified proctor). Jurisdictional minimum compaction requirements in excess of the aforementioned minimums may govern.

Since for the paver section compaction of the bedding, base, and subbase cannot be tested, placement should be observed by a representative of this firm.

All pavement installation, including preparation and compaction of subgrade, compaction of base material, placement and rolling of asphaltic concrete, should be done in accordance with the city of San Marcos specifications, and under the observation and testing of GeoTek and a City Inspector where required. Jurisdictional minimum compaction requirements in excess of the aforementioned minimums may govern.

6.4 RETAINING WALL DESIGN AND CONSTRUCTION

6.4.1 General Design Criteria

Preliminary plans do not show planned retaining walls, if retaining walls are added at a later date, the recommendations presented herein may apply to typical masonry or concrete retaining walls to a maximum height of six feet of retained soil. Additional review and recommendations should be requested for higher walls.

Retaining wall foundations should be embedded a minimum of 12 inches into engineered fill in areas containing "low" expansive soils and a minimum of 18 inches into engineered fill for areas with "medium" expansive soils. Walls could be designed using an allowable bearing capacity of 2,000 psf. An increase of one-third may be applied when considering short-term live loads (e.g. seismic and wind loads). The passive earth pressure may be computed as an equivalent fluid having a density of 220 psf per foot of depth, to a maximum earth pressure of 2,500 psf. A

coefficient of friction between soil and concrete of 0.35 may be used with dead load forces. When combining passive pressure and frictional resistance, the passive pressure component should be reduced by one-third.

An equivalent fluid pressure approach may be used to compute the horizontal active pressure against the wall. The appropriate fluid unit weights are given in the table below for specific slope gradients of retained materials. Based on the site soils encountered, the retained materials presented below will likely require import.

ACTIVE EARTH PRESSURES		
Surface Slope of Retained Materials (h:v)	Equivalent Fluid Pressure (pcf) Imported Backfill*	Equivalent Fluid Pressure (pcf) Select Native Backfill**
Level	37	45
2:1	53	81

*The design pressures assume the imported backfill material has an expansion index less than or equal to 20 and a friction angle of at least 34 degrees. Backfill zone includes area between the back of the wall and footing to a plane (1:1 h:v) up from the bottom of the wall foundation to the ground surface.

**The design pressures assume the native backfill material has an expansion index less than or equal to 50 and a friction angle of at least 28 degrees. Backfill zone includes area between the back of the wall and footing to a plane (1:1 h:v) up from the bottom of the wall foundation to the ground surface.

The above equivalent fluid weights do not include other superimposed loading conditions such as expansive soil, vehicular traffic, structures, seismic conditions or adverse geologic conditions.

6.4.2 Restrained Retaining Walls

Retaining walls that will be restrained prior to placing and compacting backfill material or that have reentrant or male corners should be designed for an at-rest equivalent fluid pressure of 57 pcf, plus any applicable surcharge loading, for select imported backfill and level back slope condition. For select native backfill, an at-rest equivalent fluid pressure of 67 pcf should be used. For areas of male or reentrant corners, the restrained wall design should extend a minimum distance of twice the height of the wall laterally from the corner, or a distance otherwise determined by the project structural engineer.

6.4.3 Wall Backfill and Drainage

Wall backfill should include a minimum one-foot wide section of ¾- to 1-inch clean crushed rock (or approved equivalent). The rock should be placed immediately adjacent to the back of wall and extend up from the backdrain to within approximately 12 inches of finish grade. The upper

12 inches should consist of compacted onsite materials. If the walls are designed using the select native backfill or imported granular backfill design parameters, then such materials shall be placed within the active zone as defined by a 1:1 (h:v) projection from the back of the retaining wall footing up to the retained surface behind the wall. Presence of other materials might necessitate revision to the parameters provided and modification of wall designs.

The backfill materials should be placed in lifts no greater than eight inches in thickness and compacted to a minimum of 90 percent of the maximum dry density as determined in accordance with ASTM Test Method D 1557. Proper surface drainage needs to be provided and maintained. Water should not be allowed to pond behind retaining walls. Waterproofing of site walls should be performed where moisture migration through the wall is undesirable.

Retaining walls should be provided with an adequate pipe and gravel back drain system to reduce the potential for hydrostatic pressures to develop. A four-inch diameter perforated collector pipe (Schedule 40 PVC, or approved equivalent) in a minimum of one cubic foot per lineal foot of 3/8- to 1-inch clean crushed rock or equivalent, wrapped in filter fabric should be placed near the bottom of the backfill and be directed (via a solid outlet pipe) to an appropriate disposal area.

Drain outlets should be maintained over the life of the project and should not be obstructed or plugged by adjacent improvements.

6.5 CONCRETE FLATWORK

6.5.1 Exterior Concrete Slabs, Sidewalks, and Driveways

Exterior concrete slabs, sidewalks, and driveways should be designed using a four-inch minimum thickness. If the on-site materials are found to be predominantly "medium" expansive, we recommend that the subject improvements be reinforced with 6" x 6" – W2.9/W2.9 welded wire mesh placed on center or equivalent. Some shrinkage and cracking of the concrete should be anticipated as a result of typical mix designs and curing practices commonly utilized in construction.

Sidewalks and driveways may be under the jurisdiction of the governing agency. If so, jurisdictional design and construction criteria would apply, if more restrictive than the recommendations presented herein.

Soils below exterior flatwork should pre-moistened prior to placing concrete. Subgrade soils classified as having "low" expansion potential should be pre-saturated to a minimum of 110 percent of optimum moisture content to a depth of 12 inches. Subgrade soils with a "medium"

expansion potential should be pre-saturated to a minimum of 120 percent of optimum moisture content to a depth of 12 inches.

All concrete installation, including preparation and compaction of subgrade should be done in accordance with the City of San Marcos specifications and under the observation and testing of GeoTek and a City Inspector, if necessary.

6.5.2 Concrete Performance

Concrete cracks should be expected. These cracks can vary from sizes that are essentially unnoticeable to more than 1/8 inch in width. Most cracks in concrete, while unsightly, do not significantly impact long-term performance. While it is possible to take measures (proper concrete mix, placement, curing, control joints, etc.) to reduce the extent and size of cracks that occur, some cracking will occur despite the best efforts to minimize it. Concrete can also undergo chemical processes that are dependent on a wide range of variables, which are difficult, at best, to control. Concrete, while seemingly a stable material, is also subject to internal expansion and contraction due to external changes over time.

One of the simplest means to control cracking is to provide weakened control joints for cracking to occur along. These do not prevent cracks from developing; they simply provide a relief point for the stresses that develop. These joints are a widely accepted means to control cracks but are not always effective. Control joints are more effective the more closely spaced they are. GeoTek suggests that control joints be placed in two directions and located a distance apart roughly equal to 24 to 36 times the slab thickness.

Exterior concrete flatwork (patios, walkways, driveways, etc.) is often some of the most visible aspects of site development. They are typically given the least level of quality control, being considered "non-structural" components. We suggest that the same standards of care be applied to these features as to the structure itself.

6.6 POST CONSTRUCTION CONSIDERATIONS

6.6.1 Landscape Maintenance and Planting

Water has been shown to weaken the inherent strength of soil, and slope stability is significantly reduced by overly wet conditions. Positive surface drainage away from graded slopes should be maintained and only the amount of irrigation necessary to sustain plant life should be provided for planted slopes. Controlling surface drainage and runoff and maintaining a suitable vegetation

cover can minimize erosion. Plants selected for landscaping should be lightweight, deep-rooted types that require little water and are capable of surviving the prevailing climate.

Overwatering should be avoided. The soils should be maintained in a solid to semi-solid state as defined by the materials Atterberg Limits. Care should be taken when adding soil amendments to avoid excessive watering. Leaching as a method of soil preparation prior to planting is not recommended. An abatement program to control ground-burrowing rodents should be implemented and maintained. This is critical as burrowing rodents can decreased the long-term performance of slopes.

It is common for planting to be placed adjacent to structures in planter or lawn areas. This will result in the introduction of water into the ground adjacent to the foundation. This type of landscaping should be avoided. If used, then extreme care should be exercised with regard to the irrigation and drainage in these areas. Waterproofing of the foundation and/or subdrains may be warranted and advisable. We could discuss these issues, if desired, when plans are made available.

6.6.2 Drainage

The need to maintain proper surface drainage and subsurface systems cannot be overly emphasized. Positive site drainage should be maintained at all times. Drainage should not flow uncontrolled down any descending slope. Water should be directed away from foundations and not allowed to pond or seep into the ground adjacent to the footings. Site drainage should conform to Section 1804.4 of the 2019 CBC. Roof gutters and downspouts should discharge onto paved surfaces sloping away from the structure or into a closed pipe system which outfalls to the street gutter pan or directly to the storm drain system. Pad drainage should be directed toward approved areas and not be blocked by other improvements.

6.7 PLAN REVIEW AND CONSTRUCTION OBSERVATIONS

We recommend that site grading, specifications, retaining wall/shoring plans, and foundation plans be reviewed by this office prior to construction to check for conformance with the recommendations of this report. Additional recommendations may be necessary based on these reviews. We also recommend that GeoTek representatives be present during site grading and foundation construction to check for proper implementation of the geotechnical recommendations. The owner/developer should have GeoTek's representative perform at least the following duties:

- Observe site clearing and grubbing operations for proper removal of unsuitable materials.
- Observe and test bottom of removals prior to fill placement.

- Evaluate the suitability of on-site and import materials for fill placement and collect soil samples for laboratory testing when necessary.
- Observe the fill for uniformity during placement including utility trenches.
- Observe and test the fill for field density and relative compaction.
- Observe and probe foundation excavations to confirm suitability of bearing materials.

If requested, a construction observation and compaction report can be provided by GeoTek, which can comply with the requirements of the governmental agencies having jurisdiction over the project. We recommend that these agencies be notified prior to commencement of construction so that necessary grading permits can be obtained.

7. LIMITATIONS

The scope of our evaluation is limited to the area explored that is shown on the Boring Location Map (Figure 2). This evaluation does not and should in no way be construed to encompass any areas beyond the specific area of proposed construction as indicated to us by the client. The scope is based on our understanding of the project and the client's needs, our proposal (Proposal No. P-0100220-SD) dated February 18, 2020 and geotechnical engineering standards normally used on similar projects in this region.

The materials observed on the project site appear to be representative of the area; however, soil and bedrock materials vary in character between excavations and natural outcrops or conditions exposed during site construction. Site conditions may vary due to seasonal changes or other factors. GeoTek, Inc. assumes no responsibility or liability for work, testing or recommendations performed or provided by others.

Since our recommendations are based on the site conditions observed and encountered, and laboratory testing, our conclusions and recommendations are professional opinions that are limited to the extent of the available data. Observations during construction are important to allow for any change in recommendations found to be warranted. These opinions have been derived in accordance with current standards of practice and no warranty is expressed or implied. Standards of practice are subject to change with time.

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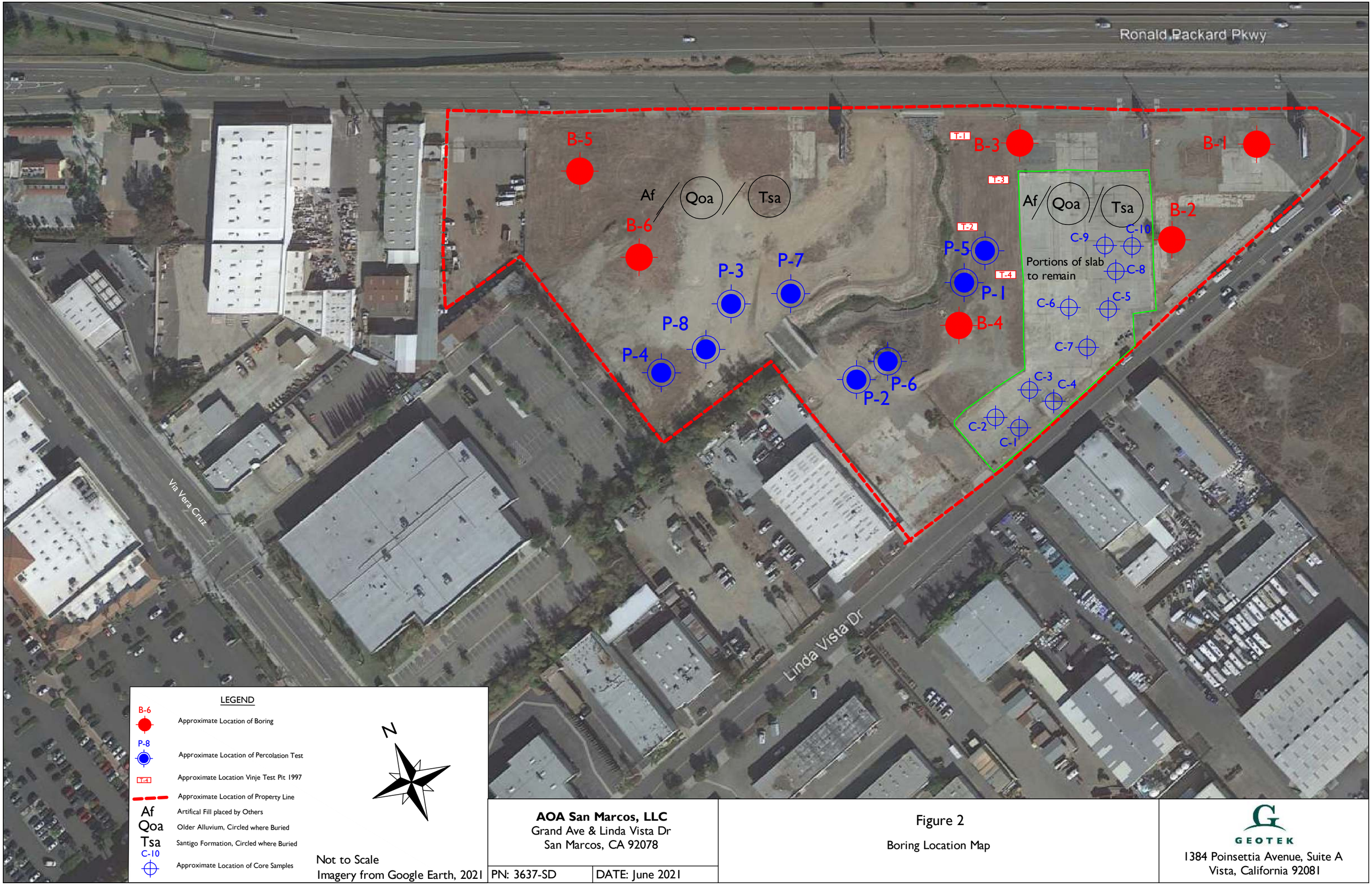
AOA San Marcos, LLC Grand Ave & Linda Vista Dr San Marcos, CA 92078	Figure 1 Site Location Map	GEOTEK 1384 Poinsettia Avenue, Suite A Vista, California 92081
PN: 3637-SD | DATE: June 2021		



Not to Scale
Imagery from Google Earth, 2021

AOA San Marcos, LLC
Grand Ave & Linda Vista Dr
San Marcos, CA 92078

PN: 3637-SD | DATE: June 2021

Figure 2

Boring Location Map

GEOTEK
1384 Poinsettia Avenue, Suite A
Vista, California 92081

B-5
B-3
B-1
B-6
B-4
B-2
P-5
P-1
P-3
P-7
P-2
P-6
P-4
P-8
C-10
C-9
C-8
C-5
C-6
C-7
C-3
C-4
C-2
C-1
Af / Qoa / Tsa
Af / Qoa / Tsa

LEGEND

B-6 — Approximate Location of Boring

P-8 — Approximate Location of Percolation Test

Approximate Location of Property Line

Af — Artifical Fill placed by Others

Qoa — Older Alluvium, Circled where Buried

Tsa — Santigo Formation, Circled where Buried

C-10 — Approximate Location of Core Samples

N

Scale: 1" = 50'

0 20 50 100

Plan adapted from "Conceptal Site Design" by Lane Goodkind + Associates

AOA San Marcos, LLC
Grand Ave & Linda Vista Dr
San Marcos, CA 92078

PN: 3637-SD | DATE: June 2021

Figure 3

Concept Map

GEOTEK
1384 Poinsettia Avenue, Suite A
Vista, California 92081

APPENDIX A

EXPLORATORY BORING LOGS
AND INFILTRATION WORKSHEETS BY GEOTEK

GEOTEK

A - FIELD TESTING AND SAMPLING PROCEDURES

The Modified Split-Barrel Sampler (Ring)

The ring sampler is driven into the ground in accordance with ASTM Test Method D 3550. The sampler, with an external diameter of 3.0 inches, is lined with 1-inch long, thin brass rings with inside diameters of approximately 2.4 inches. The sampler is typically driven into the ground 12 or 18 inches with a 140-pound hammer free falling from a height of 30 inches. Blow counts are recorded for every 6 inches of penetration as indicated on the logs of borings. The samples are removed from the sample barrel in the brass rings, sealed, and transported to the laboratory for testing.

Bulk Samples (Large)

These samples are normally large bags of earth materials over 20 pounds in weight collected from the field by means of hand digging or exploratory cuttings.

B – BORING LOG LEGEND

The following abbreviations and symbols often appear in the classification and description of soil and rock on the logs of borings:

SOILS

USCS	Unified Soil Classification System
f-c	Fine to coarse
f-m	Fine to medium

GEOLOGIC

B: Attitudes	Bedding: strike/dip
J: Attitudes	Joint: strike/dip
C: Contact line	
……..	Dashed line denotes USCS material change
———	Solid Line denotes unit / formational change
———	Thick solid line denotes end of boring

(Additional denotations and symbols are provided on the logs)

GeoTek, Inc.

LOG OF EXPLORATORY BORING

CLIENT:	AOA San Marcos, LLC	**DRILLER:**	Baja Exploration	**LOGGED BY:**	MSB
PROJECT NAME:	Grand and Linda Vista	**DRILL METHOD:**	HSA	**OPERATOR:**	Manny
PROJECT NO.:	3637-SD	**HAMMER:**	140 lbs/ 30 in	**RIG TYPE:**	
LOCATION:	See Boring Locaiton Map	**ELEVATION:**		**DATE:**	4/20/2020

BORING NO.: B-1

Depth (ft)	SAMPLES: Sample Type	SAMPLES: Blows/ 6 in	SAMPLES: Sample Number	USCS Symbol	MATERIAL DESCRIPTION AND COMMENTS	Laboratory Testing: Water Content (%)	Laboratory Testing: Dry Density (pcf)	Laboratory Testing: Others
					Asphalt - 1", Base - 3" Silty SAND base, light brown, coarse			
					Artificial Fill			
				CL	Sandy CLAY cuttings, dark brown, slightly moist, stiff			
5		30 50	S-1	SC	**Older Alluvium** Clayey SAND, light brown/reddish, moist, well-graded with some small gravels			
				CL	Sandy CLAY cuttings, orange, slightly stiff, moist			
10		25 50	R-1		**Santiago Formation (Tsa)** recovered as Silty SAND, very light brown/white with reddish lenses, coarse, dense, slightly damp			
15		17 23 32	S-2		recovered as Silty SAND, white/light brown, coarse, medium dense, slightly moist to damp.			
					recovered as Sandy CLAY cuttings, orange, slightly coarse, damp			
20		12 21 48	R-2		recovered as CLAY, olive gray, red mottling, stiff, low to medium plasticity			
					HOLE TERMINATED AT 20 FEET No groundwater encountered Backfilled with soil cuttings and asphalt patch			
25								
30								

LEGEND

Sample type: ---Ring ---SPT ---Small Bulk ---Large Bulk ---No Recovery ---Water Table

Lab testing: AL = Atterberg Limits; EI = Expansion Index; SA = Sieve Analysis; RV = R-Value Test; SR = Sulfate/Resisitivity Test; SH = Shear Test; CO = Consolidation test; MD = Maximum Density

GeoTek, Inc.

LOG OF EXPLORATORY BORING

CLIENT:	AOA San Marcos, LLC	**DRILLER:**	Baja Exploration	**LOGGED BY:**	MSB
PROJECT NAME:	Grand and Linda Vista	**DRILL METHOD:**	HSA	**OPERATOR:**	Manny
PROJECT NO.:	3637-SD	**HAMMER:**	140 lbs/ 30 in	**RIG TYPE:**	
LOCATION:	See Boring Locaiton Map	**ELEVATION:**		**DATE:**	4/20/2020

BORING NO.: B-2

Depth (ft)	SAMPLES: Sample Type	SAMPLES: Blows/ 6 in	SAMPLES: Sample Number	USCS Symbol	MATERIAL DESCRIPTION AND COMMENTS	Laboratory Testing: Water Content (%)	Laboratory Testing: Dry Density (pcf)	Laboratory Testing: Others
				CL	**Asphalt - 2", Base - 3"** **Artificial Fill** Silty CLAY cuttings, dark brown, moist, slightly stiff			
5				CL	**Older Alluvium** Sandy CLAY cuttings, light brown			
		26 50	R-1	SM	Silty SAND, slightly damp, dense	15	110	CO
				CL	Sandy CLAY cuttings, bright red-orange, damp, soft			
10		7 11 24	S-1		**Santiago Formation (Tsa)** recovered as Sandy CLAY, light brown/white, slightly damp to dry, stiff. Cuttings turn light brown sandy clay			
15		25 35 50	R-2		recovered as Silty SAND, light brown/white, moist, dense, poorly graded. Material at bottom shoe is CLAY, gray/olive, very moist to wet, highly plasticity	16.9	114.5	
20		28 50	S-2	▽	recovered as SAND, light brown, wet/saturated, dense, coarse, red mottling throughout. Groundwater.			
25					**HOLE TERMINIATED AT 20 FEET** Groundwater encountered at 20 feet Backfilled with soil cuttings and asphalt patch			
30								

LEGEND

Sample type: ---Ring ---SPT ---Small Bulk ---Large Bulk ---No Recovery ---Water Table

Lab testing: AL = Atterberg Limits; EI = Expansion Index; SA = Sieve Analysis; RV = R-Value Test; SR = Sulfate/Resisitivity Test; SH = Shear Test; CO = Consolidation test; MD = Maximum Density

GeoTek, Inc.

LOG OF EXPLORATORY BORING

CLIENT:	AOA San Marcos, LLC	**DRILLER:**	Baja Exploration	**LOGGED BY:**	MSB
PROJECT NAME:	Grand and Linda Vista	**DRILL METHOD:**	HSA	**OPERATOR:**	Manny
PROJECT NO.:	3637-SD	**HAMMER:**	140 lbs/ 30 in	**RIG TYPE:**	
LOCATION:	See Boring Locaiton Map	**ELEVATION:**		**DATE:**	4/20/2020

BORING NO.: B-3

Depth (ft)	SAMPLES: Sample Type	SAMPLES: Blows/ 6 in	SAMPLES: Sample Number	USCS Symbol	MATERIAL DESCRIPTION AND COMMENTS	Laboratory Testing: Water Content (%)	Laboratory Testing: Dry Density (pcf)	Laboratory Testing: Others
				CL	**Asphalt - 2", Base - 8"** Silty SAND base, dark brown **Artificial Fill** Sandy CLAY, dark brown cuttings			
5		12 17 21	S-1	CL	**Older Alluvium** Sandy CLAY, cuttings turn reddish light brown, moist, soft Sandy CLAY, red brown, damp, stiff			
10		24 35 50	R-1		**Santiago Formation (Tsa)** recovered as Sandy CLAY, light brown/white with red-orange mottling throughout, moist, stiff, poorly graded recovered as Sandy CLAY cuttings, orange-brown	13.2	120.5	
15		24 30 37	S-2		recovered as SAND, coarse grained, light brown/white, with red mottling			
20		4 13 50			recovered as sandy CLAY cuttings, orange brown recovered as CLAY, gray-olive, very moist, very stiff			
25					**HOLE TERMINATED AT 20 FEET** No groundwater encountered Backfilled with soil cuttings and asphalt patch			
30								

LEGEND

Sample type: ---Ring ---SPT ---Small Bulk ---Large Bulk ---No Recovery ---Water Table

Lab testing: AL = Atterberg Limits; EI = Expansion Index; SA = Sieve Analysis; RV = R-Value Test; SR = Sulfate/Resisitivity Test; SH = Shear Test; CO = Consolidation test; MD = Maximum Density

GeoTek, Inc.

LOG OF EXPLORATORY BORING

CLIENT:	AOA San Marcos, LLC	**DRILLER:**	Baja Exploration	**LOGGED BY:**	MSB
PROJECT NAME:	Grand and Linda Vista	**DRILL METHOD:**	HSA	**OPERATOR:**	Manny
PROJECT NO.:	3637-SD	**HAMMER:**	140 lbs/ 30 in	**RIG TYPE:**	
LOCATION:	See Boring Locaiton Map	**ELEVATION:**		**DATE:**	4/20/2020

BORING NO.: B-4

Depth (ft)	SAMPLES: Sample Type	SAMPLES: Blows/ 6 in	SAMPLES: Sample Number	USCS Symbol	MATERIAL DESCRIPTION AND COMMENTS	Laboratory Testing: Water Content (%)	Laboratory Testing: Dry Density (pcf)	Laboratory Testing: Others
					Fill			EI, AL, SA, SR
			BB-1	CL	Sandy CLAY cuttings, dark brown, stiff to medium stiff, damp, some organics			
5		18 30 50	R-1	CL	**Older Alluvium** Sandy CLAY, red brown, stiff, damp, gray mottling	12.5	120.1	
					orange-brown in color.			
10		11 22 32	S-1		**Santiago Formation (Tsa)** recovered as Silty SAND, light brown/white, orange mottling, coarse grained			
15		32 50	R-2		recovered as Silty SAND, orange red-brown, dense, moist			
20		21 40 50	S-2 BB-2	▽	recovered as SAND, white/gray, coarse grained, saturated, dense, groundwater			
25		34 50	R-3					
					Cuttings turn to mud slurry			
30			S-3					

LEGEND

Sample type: ---Ring ---SPT ---Small Bulk ---Large Bulk ---No Recovery ---Water Table

Lab testing: AL = Atterberg Limits; EI = Expansion Index; SA = Sieve Analysis; RV = R-Value Test; SR = Sulfate/Resisitivity Test; SH = Shear Test; CO = Consolidation test; MD = Maximum Density

GeoTek, Inc.

LOG OF EXPLORATORY BORING

CLIENT:	AOA San Marcos, LLC	**DRILLER:**	Baja Exploration	**LOGGED BY:**	MSB
PROJECT NAME:	Grand and Linda Vista	**DRILL METHOD:**	HSA	**OPERATOR:**	Manny
PROJECT NO.:	3637-SD	**HAMMER:**	140 lbs/ 30 in	**RIG TYPE:**	
LOCATION:	See Boring Locaiton Map	**ELEVATION:**		**DATE:**	4/20/2020

BORING NO.: B-4 Cont.

Depth (ft)	SAMPLES: Sample Type	SAMPLES: Blows/ 6 in	SAMPLES: Sample Number	USCS Symbol	MATERIAL DESCRIPTION AND COMMENTS	Laboratory Testing: Water Content (%)	Laboratory Testing: Dry Density (pcf)	Laboratory Testing: Others
30		13 50	S-3		recovered as SAND, white-gray, saturated, coarse, dense, orange mottling			
35		50	R-4					
40		24 36 50	S-4		recovered as SAND, coarse grained, black, moist, very dense			
45								
50		50	S-5					
					HOLE TERMINATED AT 50 FEET Groundwater at 20 feet Backfilled with soil cuttings and bentonite			
55								
60								

LEGEND

Sample type: ---Ring ---SPT ---Small Bulk ---Large Bulk ---No Recovery ---Water Table

Lab testing:

AL = Atterberg Limits	EI = Expansion Index	SA = Sieve Analysis	RV = R-Value Test
SR = Sulfate/Resisitivity Test	SH = Shear Test	CO = Consolidation test	MD = Maximum Density

GeoTek, Inc.

LOG OF EXPLORATORY BORING

CLIENT:	AOA San Marcos, LLC	**DRILLER:**	Baja Exploration	**LOGGED BY:**	MSB
PROJECT NAME:	Grand and Linda Vista	**DRILL METHOD:**	HSA	**OPERATOR:**	Manny
PROJECT NO.:	3637-SD	**HAMMER:**	140 lbs/ 30 in	**RIG TYPE:**	
LOCATION:	See Boring Locaiton Map	**ELEVATION:**		**DATE:**	4/20/2020

BORING NO.: B-5

Depth (ft)	SAMPLES: Sample Type	SAMPLES: Blows/ 6 in	SAMPLES: Sample Number	USCS Symbol	MATERIAL DESCRIPTION AND COMMENTS	Laboratory Testing: Water Content (%)	Laboratory Testing: Dry Density (pcf)	Laboratory Testing: Others
				SC	**Artificial Fill** Clayey SAND cuttings, reddish brown, moist, loose			
5		16 50	R-1 BB-1		**Santiago Formation (Tsa)** Cuttings turn bright red recovered as Sandy CLAY, white/gray, damp, stiff, high plasticity	15.8	108.3	EI, MD, AL, SA, RV
10		12 18 24	S-1		recovered as clayey SAND, olive gray with orange mottling, dense, dry, mottled			
15		7 8 7	S-2		recovered as Sandy CLAY, olive gray, very stiff			SR
20					**HOLE TERMINATED AT 15 FEET** No groundwater encountered Backfilled with soil cuttings			
25								
30								

LEGEND

Sample type: ---Ring ---SPT ---Small Bulk ---Large Bulk ---No Recovery ---Water Table

Lab testing: AL = Atterberg Limits; EI = Expansion Index; SA = Sieve Analysis; RV = R-Value Test; SR = Sulfate/Resisitivity Test; SH = Shear Test; CO = Consolidation test; MD = Maximum Density

GeoTek, Inc.

LOG OF EXPLORATORY BORING

CLIENT:	AOA San Marcos, LLC	**DRILLER:**	Baja Exploration	**LOGGED BY:**	MSB
PROJECT NAME:	Grand and Linda Vista	**DRILL METHOD:**	HSA	**OPERATOR:**	Manny
PROJECT NO.:	3637-SD	**HAMMER:**	140 lbs/ 30 in	**RIG TYPE:**	
LOCATION:	See Boring Locaiton Map	**ELEVATION:**		**DATE:**	4/20/2020

BORING NO.: B-6

Depth (ft)	SAMPLES: Sample Type	SAMPLES: Blows/ 6 in	SAMPLES: Sample Number	USCS Symbol	MATERIAL DESCRIPTION AND COMMENTS	Laboratory Testing: Water Content (%)	Laboratory Testing: Dry Density (pcf)	Laboratory Testing: Others
				SC	**Artificial Fill** Clay SAND cuttings, dark brown, moist, loose, organics			
5		12 24 34	S-1	SC	**Older Alluvium** Top 12" of sampler: clayey SAND, light brown, medium dense, moist **Santiago Formation (Tsa)** Bottom 6" - SAND, bright red, coarse, damp			
10		11 12 37	R-1		recovered as sandy CLAY, bright red/orange recovered as CLAY, mottled gray/olive with yellow orange, fine, highly plastic			
15					**HOLE TERMINATED AT 10 FEET** No groundwater encountered Backfilled with soil cuttings			
20								
25								
30								

LEGEND

Sample type: ---Ring ---SPT ---Small Bulk ---Large Bulk ---No Recovery ---Water Table

Lab testing:

AL = Atterberg Limits	EI = Expansion Index	SA = Sieve Analysis	RV = R-Value Test
SR = Sulfate/Resisitivity Test	SH = Shear Test	CO = Consolidation test	MD = Maximum Density

PERCOLATION DATA SHEET

Project: Grand and Linda Vista, **Job No.:** 3637-SD.

Test Hole No.: P-1 **Tested By:** MB **Date:** 4/21/20.

Depth of Hole As Drilled: 58.5" **Before Test:** 58.5" **After Test:** 58.5"

Reading No.	Time	Time Interval (Min)	Total Depth of Hole (Inches)	Initial Water Level (Inches)	Final Water Level (Inches)	Δ In Water Level (Inches)		Comments
1	10:39	30	58.5	7.5	7.5	0		Almost no percolation overnight
2	11:09	30	58.5	7.5	7.5	0		
3	11:38	30	58.5	7.5	7.5	0		
4	12:09	30	58.5	7.5	7.5	0		
5	12:49	40	58.5	7.5	7.5	0		
6	13:19	30	58.5	7.5	7.5	0		
7	13:49	30	58.5	7.5	7.5	0		
8	14:30	30	58.5	7.5	7.5	0		
9	15:00	30	58.5	7.5	7.5	0		
10	15:30	0:00	58.5	7.5	7.5	0		

Client:	**AOA San Marcos, LLC**
Project:	**Grand and Linda Vista**
Project No:	**3637-SD**
Date:	**5/13/2020**

Boring No. **P-1**

Infiltration Rate (Porchet Method)

Time Interval, Δt =	30	minutes
Final Depth to Water, D_F =	7.50	inches
Test Hole Radius, r =	4.00	inches
Initial Depth to Water, D_O =	7.5	inches
Total Test Hole Depth, D_T =	58.50	inches

Equation - $I_t = \dfrac{\Delta H\ (60r)}{\Delta t\ (r+2H_{avg})}$

$H_O = D_T - D_O$ =	51.00	inches
$H_F = D_T - D_F$ =	51.00	inches
$\Delta H = \Delta D = H_O - H_F$ =	0.00	inches
$H_{avg} = (H_O+H_F)/2$ =	51.00	inches

I_t = 0.00 **Inches per Hour**

GEOTEK

PERCOLATION DATA SHEET

Project: Grand and Linda Vista **Job No.:** 3637-SD.

Test Hole No.: P-2 **Tested By:** MB, **Date:** 4/21/20.

Depth of Hole As Drilled: 56" **Before Test:** 56" **After Test:** 56"

Reading No.	Time	Time Interval (Min)	Total Depth of Hole (Inches)	Initial Water Level (Inches)	Final Water Level (Inches)	Δ In Water Level (Inches)		Comments
1	10:48	42	56	32	33	1		
2	11:30	30	56	32	33.5	1.5		
3	12:00	35	56	30	31.25	1.25		
4	12:35	30	56	30	31	1		
5	13:03	35	56	30	31	1		
6	13:40	30	56	30	31.55	1.55		
7	14:10	30	56	31.25	32	0.75		
8	14:40	30	56	32	32.25	0.25		
9	15:10	30	56	24	24.75	0.75		
10	15:40	30	56	24.75	25	0.25		

Client:	**AOA San Marcos, LLC**
Project:	**Grand and Linda Vista**
Project No:	**3637-SD**
Date:	**5/13/2020**

Boring No. **P-2**

Infiltration Rate (Porchet Method)

Time Interval, Δt =	30	minutes
Final Depth to Water, D_F =	25.00	inches
Test Hole Radius, r =	4.00	inches
Initial Depth to Water, D_O =	24.75	inches
Total Test Hole Depth, D_T =	56.00	inches

Equation - $I_t = \dfrac{\Delta H\ (60r)}{\Delta t\ (r+2H_{avg})}$

$H_O = D_T - D_O$ =	31.25	inches
$H_F = D_T - D_F$ =	31.00	inches
$\Delta H = \Delta D = H_O - H_F$ =	0.25	inches
$H_{avg} = (H_O+H_F)/2$ =	31.13	inches

I_t = 0.03 **Inches per Hour**

GEOTEK

PERCOLATION DATA SHEET

Project: Grand and Linda Vista **Job No.:** 3637-SD.

Test Hole No.: P-3 **Tested By:** MB, **Date:** 4/21/20.

Depth of Hole As Drilled: 56" **Before Test:** 56" **After Test:** 56"

Reading No.	Time	Time Interval (Min)	Total Depth of Hole (Inches)	Initial Water Level (Inches)	Final Water Level (Inches)	Δ In Water Level (Inches)		Comments
1	10:57	38	56	18	18	0		
2	11:35	30	56	18.5	18.75	0.25		
3	12:05	35	56	18.75	19	0.25		
4	12:40	30	56	19	19.5	0.5		
5	13:10	35	56	17.5	17.5	0		
6	13:45	35	56	18.5	20	1.5		
7	14:56	25	56	20	20.25	0.25		
8	14:45	35	56	4	4.5	0.5		
9	15:20	25	56	4.5	10	5.5		
10	15:45	30	56	10	10.5	0.5		

Client:	**AOA San Marcos, LLC**
Project:	**Grand and Linda Vista**
Project No:	**3637-SD**
Date:	**5/13/2020**

Boring No. **P-3**

Infiltration Rate (Porchet Method)

Time Interval, Δt =	30	minutes
Final Depth to Water, D_F =	10.50	inches
Test Hole Radius, r =	4.00	inches
Initial Depth to Water, D_O =	10.00	inches
Total Test Hole Depth, D_T =	56.00	inches

Equation - $I_t = \dfrac{\Delta H\ (60r)}{\Delta t\ (r+2H_{avg})}$

$H_O = D_T - D_O$ =	46.00	inches
$H_F = D_T - D_F$ =	45.50	inches
$\Delta H = \Delta D = H_O - H_F$ =	0.50	inches
$H_{avg} = (H_O+H_F)/2$ =	45.75	inches

I_t = 0.04 **Inches per Hour**

GEOTEK

PERCOLATION DATA SHEET

Project: Grand and Linda Vista **Job No.:** 3637-SD.

Test Hole No.: P-4 **Tested By:** MB, **Date:** 4/21/20.

Depth of Hole As Drilled: 52.5" **Before Test:** 52.5" **After Test:** 52.5".

Reading No.	Time	Time Interval (Min)	Total Depth of Hole (Inches)	Initial Water Level (Inches)	Final Water Level (Inches)	Δ In Water Level (Inches)		Comments
1	11:01	30	52.5	14	14.25	0.25		No percolation
2	11:37	30	52.5	14.25	14.25	0		
3	12:07	36	52.5	14.25	16.25	2		
4	12:43	32	52.5	14.25	14.5	0.25		
5	13:15	32	52.5	14.5	14.5	0		
6	13:47	38	52.5	14.5	14.5	0		
7	14:25	25	52.5	14.5	14.5	0		
8	15:50	33	52.5	14.5	14.5	0		
9	16:23	33	52.5	14.5	14.5	0		
10	16:50	27	52.5	14.5	14.5	0		

Client:	**AOA San Marcos, LLC**
Project:	**Grand and Linda Vista**
Project No:	**3637-SD**
Date:	**5/13/2020**

Boring No. **P-4**

Infiltration Rate (Porchet Method)

Time Interval, Δt =	30	minutes
Final Depth to Water, D_F =	14.50	inches
Test Hole Radius, r =	4.00	inches
Initial Depth to Water, D_O =	14.50	inches
Total Test Hole Depth, D_T =	52.50	inches

Equation - $I_t = \dfrac{\Delta H\ (60r)}{\Delta t\ (r+2H_{avg})}$

$H_O = D_T - D_O$ =	38.00	inches
$H_F = D_T - D_F$ =	38.00	inches
$\Delta H = \Delta D = H_O - H_F$ =	0.00	inches
$H_{avg} = (H_O+H_F)/2$ =	38.00	inches

I_t = 0.00 **Inches per Hour**

GEOTEK

PERCOLATION DATA SHEET

Project: Grand and Linda Vista **Job No.:** 3637-SD.

Test Hole No.: P-5 **Tested By:** MB, **Date:** 5/12/20.

Depth of Hole As Drilled: 30" **Before Test:** 30" **After Test:** 30".

Reading No.	Time	Time Interval (Min)	Total Depth of Hole (Inches)	Initial Water Level (Inches)	Final Water Level (Inches)	Δ In Water Level (Inches)		Comments
1	9:30	30	30	15	15	0		No Percolation
2	10:00	30	30	15	15	0		
3	10:30	30	30	15	15.5	0.5		
4	11:00	30	30	15.5	16	0.5		
5	11:30	30	30	16	17	1		
6	12:00	30	30	13.75	14	0.25		
7	12:30	30	30	14	15	1		
8	13:00	30	30	15	15.25	0.25		
9	13:30	30	30	15.25	15.75	0.5		
10	14:00	30	30	15.75	16.25	0.5		
11	14:30	30	30	15	15.5	0.5		
12	15:00	30	30	15.5	15.75	0.25		

Client:	**AOA San Marcos, LLC**
Project:	**Grand and Linda Vista**
Project No:	**3637-SD**
Date:	**5/13/2020**

Boring No. **P-5**

Infiltration Rate (Porchet Method)

Time Interval, Δt =	30	minutes
Final Depth to Water, D_F =	15.75	inches
Test Hole Radius, r =	1.75	inches
Initial Depth to Water, D_O =	15.50	inches
Total Test Hole Depth, D_T =	30.00	inches

Equation - $I_t = \dfrac{\Delta H\ (60r)}{\Delta t\ (r+2H_{avg})}$

$H_O = D_T - D_O$ =	14.50	inches
$H_F = D_T - D_F$ =	14.25	inches
$\Delta H = \Delta D = H_O - H_F$ =	0.25	inches
$H_{avg} = (H_O+H_F)/2$ =	14.38	inches

I_t = 0.03 **Inches per Hour**

GEOTEK

PERCOLATION DATA SHEET

Project: Grand and Linda Vista **Job No.:** 3637-SD.

Test Hole No.: P-6 **Tested By:** MB, **Date:** 5/12/20.

Depth of Hole As Drilled: 33" **Before Test:** 33" **After Test:** 33".

Reading No.	Time	Time Interval (Min)	Total Depth of Hole (Inches)	Initial Water Level (Inches)	Final Water Level (Inches)	Δ In Water Level (Inches)		Comments
1	9:40	30	33	8.25	8.25	0		No percolation
2	10:05	25	33	8.25	8.25	0		
3	10:35	30	33	8.5	8.75	0.25		
4	11;05	30	33	8.5	8.5	0		
5	11:35	30	33	8.5	8.5	0		
6	12:05	30	33	8.5	8.75	0.25		
7	12:35	30	33	8.75	8.75	0		
8	13:05	30	33	8.75	8.75	0		
9	13:35	30	33	8.75	8.75	0		
10	14:05	30	33	8.75	8.75	0		
11	15:35	30	33	8.75	9	0.25		
12	16:05	30	33	9	9	0		

Client:	**AOA San Marcos, LLC**
Project:	**Grand and Linda Vista**
Project No:	**3637-SD**
Date:	**5/13/2020**

Boring No. **P-6**

Infiltration Rate (Porchet Method)

Time Interval, Δt =	30	minutes
Final Depth to Water, D_F =	9.00	inches
Test Hole Radius, r =	1.75	inches
Initial Depth to Water, D_O =	9.00	inches
Total Test Hole Depth, D_T =	33.00	inches

Equation - $I_t = \dfrac{\Delta H\ (60r)}{\Delta t\ (r+2H_{avg})}$

$H_O = D_T - D_O$ =	24.00	inches
$H_F = D_T - D_F$ =	24.00	inches
$\Delta H = \Delta D = H_O - H_F$ =	0.00	inches
$H_{avg} = (H_O+H_F)/2$ =	24.00	inches

I_t = 0.00 **Inches per Hour**

GEOTEK

PERCOLATION DATA SHEET

Project: Grand and Linda Vista **Job No.:** 3637-SD.

Test Hole No.: P-7 **Tested By:** MB, **Date:** 5/12/20.

Depth of Hole As Drilled: 31" **Before Test:** 31" **After Test:** 31".

Reading No.	Time	Time Interval (Min)	Total Depth of Hole (Inches)	Initial Water Level (Inches)	Final Water Level (Inches)	Δ In Water Level (Inches)		Comments
1	9:45	30	31	15	15.5	0.5		
2	10:10	25	31	15.5	16	0.5		
3	10:40	30	31	16	16.5	0.5		
4	11:10	30	31	16.5	17	0.5		
5	11:40	30	31	15	15.25	0.25		
6	12:10	30	31	15.25	15.5	0.25		
7	12:40	30	31	15.5	16	0.5		
8	14:10	27	31	16	16.25	0.25		
9	14:40	30	31	16.25	16.75	0.5		
10	15:07	30	31	16.75	17	0.25		
11	15:37	33	31	14	14.5	0.5		
12	16:10	30	31	14.5	14.75	0.25		

Client:	**AOA San Marcos, LLC**
Project:	**Grand and Linda Vista**
Project No:	**3637-SD**
Date:	**5/13/2020**

Boring No. **P-7**

Infiltration Rate (Porchet Method)

Time Interval, Δt =	30	minutes
Final Depth to Water, D_F =	14.75	inches
Test Hole Radius, r =	1.75	inches
Initial Depth to Water, D_O =	14.50	inches
Total Test Hole Depth, D_T =	31.00	inches

Equation - $I_t = \dfrac{\Delta H\ (60r)}{\Delta t\ (r+2H_{avg})}$

$H_O = D_T - D_O$ =	16.50	inches
$H_F = D_T - D_F$ =	16.25	inches
$\Delta H = \Delta D = H_O - H_F$ =	0.25	inches
$H_{avg} = (H_O+H_F)/2$ =	16.38	inches

I_t = 0.03 **Inches per Hour**

GEOTEK

PERCOLATION DATA SHEET

Project: Grand and Linda Vista **Job No.:** 3637-SD

Test Hole No.: P-8 **Tested By:** MB , **Date:** 5/12/20

Depth of Hole As Drilled: 30" **Before Test:** 30" **After Test:** 30" .

Reading No.	Time	Time Interval (Min)	Total Depth of Hole (Inches)	Initial Water Level (Inches)	Final Water Level (Inches)	Δ In Water Level (Inches)		Comments
1	9:50	30	30	14	14	0		
2	10:15	25	30	14	14	0		
3	10:45	30	30	14	14.25	0.25		
4	11:15	30	30	14.25	14.5	0.25		
5	11:45	27	30	14.5	14.75	0.25		
6	12:12	30	30	14.75	15	0.25		
7	12:42	31	30	15	15.25	0.25		
8	13:13	30	30	15.25	15.5	0.25		
9	13:43	27	30	15.5	15.75	0.25		
10	14:10	30	30	15.75	16	0.25		
11	14:40	30	30	16	16.25	0.25		
12	15:12	32	30	16.25	16.5	0.25		

Client:	**AOA San Marcos, LLC**
Project:	**Grand and Linda Vista**
Project No:	**3637-SD**
Date:	**5/13/2020**

Boring No. **P-8**

Infiltration Rate (Porchet Method)

Time Interval, Δt =	30	minutes
Final Depth to Water, D_F =	16.50	inches
Test Hole Radius, r =	1.75	inches
Initial Depth to Water, D_O =	16.25	inches
Total Test Hole Depth, D_T =	30.00	inches

Equation - $I_t = \dfrac{\Delta H\ (60r)}{\Delta t\ (r+2H_{avg})}$

$H_O = D_T - D_O$ =	13.75	inches
$H_F = D_T - D_F$ =	13.50	inches
$\Delta H = \Delta D = H_O - H_F$ =	0.25	inches
$H_{avg} = (H_O+H_F)/2$ =	13.63	inches

I_t = 0.03 **Inches per Hour**

GEOTEK

Categorization of Infiltration Feasibility Condition	Form I-8

Part 1 - Full Infiltration Feasibility Screening Criteria

Would infiltration of the full design volume be feasible from a physical perspective without any undesirable consequences that cannot be reasonably mitigated?

Criteria	Screening Question	Yes	No
1	**Is the estimated reliable infiltration rate below proposed facility locations greater than 0.5 inches per hour?** The response to this Screening Question shall be based on a comprehensive evaluation of the factors presented in Appendix C.2 and Appendix D.		X

Provide basis:

The infiltration rate (not including a factor of safety) ranges from 0 to 0.04 inches per hour See geotechnical report prepared by GeoTek, Inc. "Geotechnical Evaluation, Proposed Commercial Development, Grand Avenue and Linda Vista Drive, San Marcos, California" Project No. 3637-SD, dated June 21, 2021.

Summarize findings of studies; provide reference to studies, calculations, maps, data sources, etc. Provide narrative discussion of study/data source applicability.

2	**Can infiltration greater than 0.5 inches per hour be allowed without increasing risk of geotechnical hazards (slope stability, groundwater mounding, utilities, or other factors) that cannot be mitigated to an acceptable level?** The response to this Screening Question shall be based on a comprehensive evaluation of the factors presented in Appendix C.2.		

Provide basis:

Summarize findings of studies; provide reference to studies, calculations, maps, data sources, etc. Provide narrative discussion of study/data source applicability.

Form I-8 Page 2 of 4			
Criteria	Screening Question	**Yes**	**No**
3	**Can infiltration greater than 0.5 inches per hour be allowed without increasing risk of groundwater contamination (shallow water table, storm water pollutants or other factors) that cannot be mitigated to an acceptable level?** The response to this Screening Question shall be based on a comprehensive evaluation of the factors presented in Appendix C.3.		
Provide basis: Summarize findings of studies; provide reference to studies, calculations, maps, data sources, etc. Provide narrative discussion of study/data source applicability.			
4	**Can infiltration greater than 0.5 inches per hour be allowed without causing potential water balance issues such as change of seasonality of ephemeral streams or increased discharge of contaminated groundwater to surface waters?** The response to this Screening Question shall be based on a comprehensive evaluation of the factors presented in Appendix C.3.		
Provide basis: Summarize findings of studies; provide reference to studies, calculations, maps, data sources, etc. Provide narrative discussion of study/data source applicability.			
Part 1 Result *	If all answers to rows 1 - 4 are "**Yes**" a full infiltration design is potentially feasible. The feasibility screening category is **Full Infiltration** If any answer from row 1-4 is "**No**", infiltration may be possible to some extent but would not generally be feasible or desirable to achieve a "full infiltration" design. Proceed to Part 2		NO

*To be completed using gathered site information and best professional judgment considering the definition of MEP in the MS4 Permit. Additional testing and/or studies may be required by Agency/Jurisdictions to substantiate findings

Form I-8 Page 3 of 4

Part 2 – Partial Infiltration vs. No Infiltration Feasibility Screening Criteria

Would infiltration of water in any appreciable amount be physically feasible without any negative consequences that cannot be reasonably mitigated?

Criteria	Screening Question	Yes	No
5	**Do soil and geologic conditions allow for infiltration in any appreciable rate or volume?** The response to this Screening Question shall be based on a comprehensive evaluation of the factors presented in Appendix C.2 and Appendix D.		X

Provide basis:

The infiltration rate (not including a factor of safety) ranges from 0 to 0.04 inches per hour See geotechnical report prepared by GeoTek, Inc. "Geotechnical Evaluation, Proposed Commercial Development, Grand Avenue and Linda Vista Drive, San Marcos, California" Project No. 3637-SD, dated June 21, 2021.

Summarize findings of studies; provide reference to studies, calculations, maps, data sources, etc. Provide narrative discussion of study/data source applicability and why it was not feasible to mitigate low infiltration rates.

6	**Can Infiltration in any appreciable quantity be allowed without increasing risk of geotechnical hazards (slope stability, groundwater mounding, utilities, or other factors) that cannot be mitigated to an acceptable level**? The response to this Screening Question shall be based on a comprehensive evaluation of the factors presented in Appendix C.2.		X

Provide basis:

Shallow impermeable bedrock and very dense older alluvial soils underlay the site. Groundwater mounding is a geotechnical concern.

Summarize findings of studies; provide reference to studies, calculations, maps, data sources, etc. Provide narrative discussion of study/data source applicability and why it was not feasible to mitigate low infiltration rates.

Form I-8 Page 4 of 4			
Criteria	Screening Question	**Yes**	**No**
7	**Can Infiltration in any appreciable quantity be allowed without posing significant risk for groundwater related concerns (shallow water table, storm water pollutants or other factors)?** The response to this Screening Question shall be based on a comprehensive evaluation of the factors presented in Appendix C.3.	X	
Provide basis: Summarize findings of studies; provide reference to studies, calculations, maps, data sources, etc. Provide narrative discussion of study/data source applicability and why it was not feasible to mitigate low infiltration rates.			
8	**Can infiltration be allowed without violating downstream water rights**? The response to this Screening Question shall be based on a comprehensive evaluation of the factors presented in Appendix C.3.	X	
Provide basis: Summarize findings of studies; provide reference to studies, calculations, maps, data sources, etc. Provide narrative discussion of study/data source applicability and why it was not feasible to mitigate low infiltration rates.			
Part 2 Result*	If all answers from row 5-8 are yes then partial infiltration design is potentially feasible. The feasibility screening category is **Partial Infiltration.** If any answer from row 5-8 is no, then infiltration of any volume is considered to be **infeasible** within the drainage area. The feasibility screening category is **No Infiltration.**	No Infiltration	

*To be completed using gathered site information and best professional judgment considering the definition of MEP in the MS4 Permit. Additional testing and/or studies may be required by Agency/Jurisdictions to substantiate findings

Factor of Safety and Design Infiltration Rate Worksheet				Form I-9	
Factor Category		Factor Description	Assigned Weight (w)	Factor Value (v)	Product (p) p = w x v
A	Suitability Assessment	Soil assessment methods	0.25	3	0.75
		Predominant soil texture	0.25	3	0.75
		Site soil variability	0.25	3	0.75
		Depth to groundwater / impervious layer	0.25	3	0.75
		Suitability Assessment Safety Factor, $S_A = \Sigma p$			3
B	Design	Level of pretreatment/ expected sediment loads	0.5	To Be Completed by Others	
		Redundancy/resiliency	0.25		
		Compaction during construction	0.25		
		Design Safety Factor, $S_B = \Sigma p$			
Combined Safety Factor, $S_{total} = S_A \times S_B$					
Observed Infiltration Rate, inch/hr, $K_{observed}$ (corrected for test-specific bias)					
Design Infiltration Rate, in/hr, $K_{design} = K_{observed} / S_{total}$					

Supporting Data

Briefly describe infiltration test and provide reference to test forms:

Infiltration testing was performed by borehole method.
See geotechnical report prepared by GeoTek, Inc. "Geotechnical Evaluation, Proposed Commercial Development, Grand Avenue and Linda Vista Drive, San Marcos, California" Project No. 3637-SD, dated June 21, 2021.

APPENDIX B

EXPLORATORY TRENCH AND BORING LOGS
AND LABORATORY TEST RESULTS BY VINJE & MIDDLETON
ENGINEERING (1997) AND GEOBASE (1990)

GEOTEK

Date: 5/22/97 Logged by: SM

DEPTH (ft)	SAMPLE	T-1 DESCRIPTION	MOISTURE (%)	DRY DENSITY (pcf)	RELATIVE COMPACTION (%)
- -		FILL:			
	❑	Clayey sand, red-brown, dry, small pieces of A.C. and trash. ST-1	13.2	119.2	91.9
	❑	ALLUVIUM:	19.2	108.2	84.4
- 5 -		Silty clayey sand, fine grained, brown, moist			
- -	■❑	porous. ST-2	17.6	105.8	82.5
- -		Sandy clay, brown with grey streaks, moist.			
- -	❑		15.7	111.3	-----
- -		Sand, fine to coarse grained, brown water seeping at 5',			
- 10 -	■❑	very moist, caving. ST-3	26.0	101.0	-----
- -		BEDROCK:			
- -		Clayey weathered, blocky, olive to grey in color,			
- -		moist. ST-4			
- 15 -		End trench at 10½ '.			

Date: 5/22/97 Logged by: SM

DEPTH (ft)	SAMPLE	T-2 DESCRIPTION	MOISTURE (%)	DRY DENSITY (pcf)	RELATIVE COMPACTION (%)
- -		FILL:			
- -	❑	Clayey silty sand, brown, pieces of asphalt.	10.6	106.7	82.3
- -					
	❑	ALLUVIUM:	15.8	113.2	87.2
- 5 -		Silty sand, fine grained, porous, brown, grades clayey			
	❑	with depth. ST-2	16.1	101.3	78.1
- -					
- -	■❑	Clayey sand, fine grained, mottled, grey with rust	11.2	118.3	-----
- -		streaks, moist.			
- 10 -					
- -		BEDROCK:			
- -		Sandstone, tan color, fine to coarse grained, poorly			
- -		sorted, massive, friable, moist, locally cemented. ST-5			
- -					
- 15 -		End trench at 8½ ' hard digging..			

VINJE & MIDDLETON ENGINEERING, INC
2450 Vineyard Avenue, Suite 102
Escondido, California 92029-1229
Office 760-743-1214 Fax 760-739-0343

TEST TRENCH LOGS

Star Builders Supply - San Marcos

PROJECT NO. 97-184-P PLATE 2

▼ Sand Cone Test ■ Bulk Sample ❑ Chunk Sample ○ Driven Rings

Date: 5/22/97 Logged by: SM

DEPTH (ft)	SAMPLE	T-3 DESCRIPTION	MOISTURE (%)	DRY DENSITY (pcf)	RELATIVE COMPACTION (%)
- -		FILL:			
- -	❑	Clayey sand, small rocks and asphalt.	12.5	113.2	87.3
- -					
	❑	ALLUVIUM:	16.0	103.8	80.0
- 5 -		Clayey sand, fine grained, brown to tan in color with rust			
	❑	colored stains, porous, most. ST-2	18.1	101.7	79.3
- -					
- -	❑	Sandy clay, brown with rust colored stains, moist.	17.9	104.2	81.3
- -					
- 10 -	■❑	Clayey sand, fine to medium grained, water seeps at 6'.	22.4	105.3	-----
- -		Brown/grey with rust colored stains. ST-3			
- -					
- -		BEDROCK:			
- -		Clayey sandstone, weathered, fine grained, massive			
- 15 -		friable, white with orange/yellow staining. ST-6			
		End trench at 9½ '.			

Date: 5/22/97 Logged by: SM

DEPTH (ft)	SAMPLE	T-4 DESCRIPTION	MOISTURE (%)	DRY DENSITY (pcf)	RELATIVE COMPACTION (%)
- -		FILL:			
	❑	Clayey sand, pieces of asphalt, dry, loose.	4.9	123.0	94.8
- -					
- -	❑	ALLUVIUM:	11.9	118.7	91.5
- 5 -		Silty sand, fine grained, grades clayey with depth,			
- -	❑	brown, porous ST-2	14.9	114.0	87.9
- -					
- -	❑	Silty clayey sand, fine grained, brown/grey in	15.7	117.5	-----
- -		color. ST-2			
- 10 -					
- -		BEDROCK:			
- -		Clayey sandstone, fine to medium grained blocky,			
- -		mottled appearance, moist tan/grey weathered, hard			
- -		digging. ST-6			
- 15 -		End trench at 8½ '.			

VINJE & MIDDLETON ENGINEERING, INC
2450 Vineyard Avenue, Suite 102
Escondido, California 92029-1229
Office 760-743-1214 Fax 760-739-0343

TEST TRENCH LOGS

Star Builders Supply - San Marcos

PROJECT NO. 97-184-P PLATE 3

▼ Sand Cone Test ■ Bulk Sample ❑ Chunk Sample ○ Driven Rings

LOG OF BORING

SAMPLE TYPE: ■ THIN WALLED TUBE ◫ SPT SPLIT SPOON ⊠ CALIFORNIA MODIFIED SAMPLER ▤ DISTURBED ◥ NO RECOVERY ⊞ CORE

DEPTH (feet)	SOIL DESCRIPTION	SOIL CLASSIFICATION	SAMPLE	DRY DENSITY (PCF) 80 90 100 110 120; Water Content(%): ●; Plastic Limit (WP) — Liquid Limit (WL); Penetration, blows/foot: ■ 10 20 30 40 50	REMARKS/ OTHER TESTS
	SAND (FILL) brown, silty, little pebbles, trace cobbles, compact, dry.	SP/ SM			
	CLAY, reddish-brown, sandy, some pebbles, low to medium plastic, stiff to very stiff.	CL			EI, SO_4 pp =2.5 tsf
5	SILTSTONE/SANDSTONE, reddish-brown, very weathered, hard.	Ms			pp = 4.5 tsf pp = 4.5 tsf
10					pp = 3.5 tsf
15	--- light brown.				pp = 3.0 tsf
20	° End of Boring at 20.0 feet. ° Water level at 16.5 feet upon completion of drilling. ° Hole backfilled.				
25					
30					

GEOBASE

PROJECT PROPOSED BUILDING ADDITION -- UNDERWATER KINETICS SAN MARCOS , CALIFORNIA			BORING NO. B-1
DEPTH TO WATER 16.5' ▼	SURFACE ELEV. ---	LOGGED BY SHB	PROJECT NO. C.192.01
DEPTH TO SLOUGH 20'	DRILL Bucket Auger	DATE LOGGED 07/20/90	FIGURE NO. B-2

LOG OF BORING

SAMPLE TYPE: THIN WALLED TUBE | SPT SPLIT SPOON | CALIFORNIA MODIFIED SAMPLER | DISTURBED | NO RECOVERY | CORE

DRY DENSITY (PCF): 80 90 100 110 120
Water Content(%): ●
Plastic Limit (WP) ⊢—⊣ Liquid Limit (WL)
Penetration, blows/foot: ■ 10 20 30 40 50

DEPTH (feet)	SOIL DESCRIPTION	SOIL CLASSIFICATION	SAMPLE	REMARKS/ OTHER TESTS
	SAND (FILL) rusty-brown, silty, little pebbles, trace cobbles, compact, dry.	SP/ SM		
	CLAY, reddish-brown, sandy, some pebbles, low to medium plasticity, very stiff, moist.	CL		pp = 2.5 tsf
	-- cobble inclusion, very stiff to hard.			pp = 4.5 tsf
5	SILTSTONE, reddish-brown, very weathered, slightly bedded, hard.	Ms	☒	C, DS
	-- light brown.			pp = 4.5 tsf
10				pp = 3.0 tsf
				pp = 4.0 tsf
15	-- very moist.			pp = 4.5 tsf
				pp = 3.0 tsf
20	° End of Boring at 20.0 feet. ° Water level at 17.0 feet upon completion of drilling. ° Hole backfilled.			
25				
30				

GEOBASE

PROJECT: PROPOSED BUILDING ADDITION -- UNDERWATER KINETICS, SAN MARCOS, CALIFORNIA			BORING NO. B-2
DEPTH TO WATER 17.0' ▼	SURFACE ELEV. ---	LOGGED BY SHB	PROJECT NO. C.192.01
DEPTH TO SLOUGH 20.0'	DRILL Bucket Auger	DATE LOGGED 07/20/90	FIGURE NO. B-3

APPENDIX C

LABORATORY TEST RESULTS BY GEOTEK

GEOTEK

SUMMARY OF LABORATORY TESTING

Identification and Classification
Soils were identified visually in general accordance to the standard practice for description and identification of soils (ASTM D2488). The soil identifications and classifications are shown on the logs of exploratory borings in Appendix A.

In-Situ Moisture and Density
The natural water content was determined (ASTM D2216) on samples of the materials recovered from the subsurface exploration. In addition, in-place dry density determinations (ASTM D7263) were performed on relatively undisturbed samples to measure the unit weight of the subsurface soils. Results of these tests are shown on the boring logs at the appropriate sample depths in Appendix A.

Moisture-Density Relationship
Laboratory testing was performed on one sample collected during the subsurface exploration. The laboratory maximum dry density and optimum moisture content for the soil type was determined in general accordance with test method ASTM Test Procedure D1557. The test results are provided herein.

Collapse
Collapse tests were conducted on two undisturbed samples obtained from the site, in general accordance with ASTM D 4546. The test results are presented herein

Expansion Index
The expansion potential of the soils was determined by performing expansion index tests on two representative soil samples from the site in general accordance with ASTM D 4829. The results of these tests are presented herein.

Atterberg Limits
Atterberg limits testing were performed on two clayey samples collected from the site. The tests were performed in general accordance with ASTM D 4318. The test results are presented herein.

Percent of Soil Passing No 200 Sieve
The amount of soil finer than No. 200 sieve was determined for two clayey samples collected from the site. The tests were performed in general accordance with ASTM D 1140. The test results are presented herein.

R-Value
A sample of the subgrade soil was tested for its R-value in general accordance with CAL Test 301. The test result is presented herein.

Sulfate Content, Resistivity, and Chloride Content
Testing to determine the water-soluble sulfate content was performed by others in general accordance with ASTM D 4327. Resistivity testing was completed by others in general accordance with ASTM G51. Testing to determine the chloride content was performed by other in general accordance with ASTM D 4327. The results are included herein.

GEOTEK

MOISTURE/DENSITY RELATIONSHIP

Client: AOA San Marcos, LLC
Project: Grand & Linda Vista
Location:
Material Type: Light Brown Silty Clay
Material Supplier: -
Material Source: -
Sample Location: B-5 @ 5 - 8 ft
-

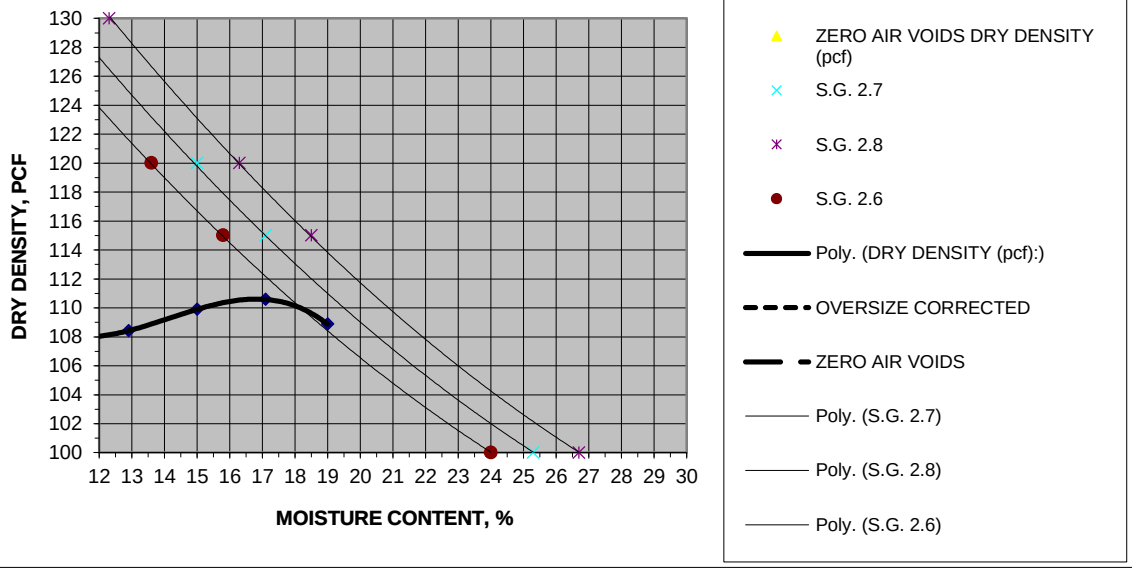
Job No.: 3637-SD
Lab No.: Corona

Sampled By: MSB
Received By: DLI
Tested By: DLI
Reviewed By: -

Date Sampled: 4/21/2020
Date Received:
Date Tested: 5/8/2020
Date Reviewed: -

Test Procedure: ASTM D1557 **Method:** A
Oversized Material (%): 0.0 **Correction Required:** [ ] yes [x] no

MOISTURE/DENSITY RELATIONSHIP CURVE



MOISTURE DENSITY RELATIONSHIP VALUES

Maximum Dry Density, pcf	110.5	**@ Optimum Moisture, %**	17.0
Corrected Maximum Dry Density, pcf		**@ Optimum Moisture, %**	

MATERIAL DESCRIPTION

Grain Size Distribution:

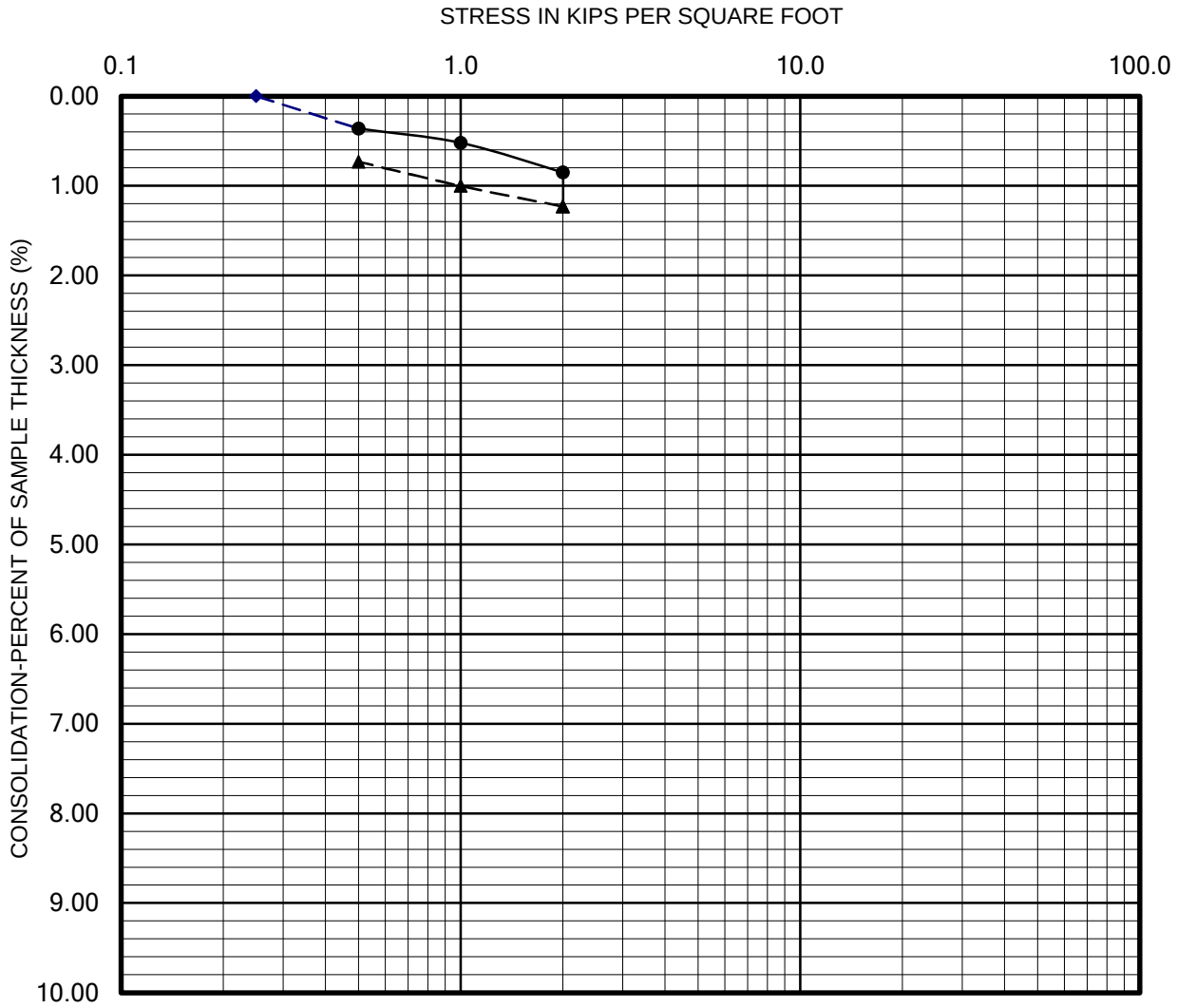
	% Gravel (retained on No. 4)
	% Sand (Passing No. 4, Retained on No. 200)
	% Silt and Clay (Passing No. 200)

Atterberg Limits:

	Liquid Limit, %
	Plastic Limit, %
	Plasticity Index, %

Classification:

Unified Soils Classification:
AASHTO Soils Classification:



Seating Cycle
Loading Prior to Inundation
Loading After Inundation
Rebound Cycle

PERFORMED IN GENERAL ACCORDANCE WITH ASTM D 4546

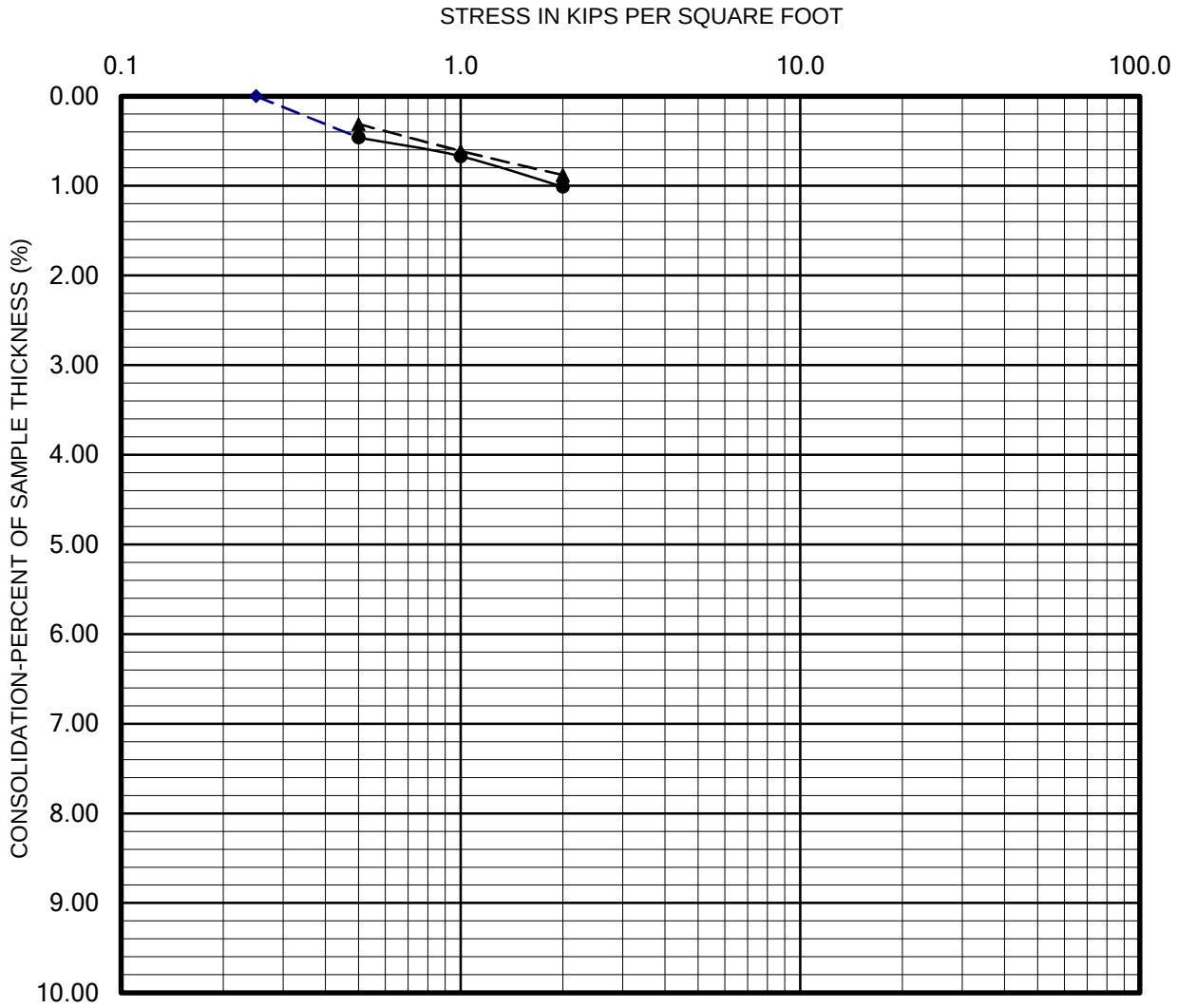
GEOTEK

CHECKED BY:	Lab: DI
PROJECT NO.: 3637-SD	Date:

COLLAPSE REPORT

Sample:

B-2 @ 5 ft



Seating Cycle
Loading Prior to Inundation
Loading After Inundation
Rebound Cycle

PERFORMED IN GENERAL ACCORDANCE WITH ASTM D 4546

GEOTEK

CHECKED BY:	Lab: DI
PROJECT NO.: 3637-SD	Date:

COLLAPSE REPORT

Sample:

B-5 @ 5 ft

GEOTEK

EXPANSION INDEX TEST

(ASTM D4829)

Client:	AOA San Marcos, LLC	***Tested/ Checked By:***	DA Lab No Corona
Project Number:	3637-SD	***Date Tested:***	5/5/2020
Project Location:	Grand & Linda Vista	***Sample Source:***	B-4 @ 0 - 5 ft
		Sample Description:	

Ring #: _____ Ring Dia. : 4.01" Ring Ht. 1"

DENSITY DETERMINATION

A	Weight of compacted sample & ring (gm)	754.1
B	Weight of ring (gm)	362.4
C	Net weight of sample (gm)	**391.7**
D	Wet Density, lb / ft3 (C*0.3016)	**118.1**
E	Dry Density, lb / ft3 (D/1.F)	**106.8**

SATURATION DETERMINATION

F	Moisture Content, %	10.6
G	Specific Gravity, assumed	**2.70**
H	Unit Wt. of Water @ 20 °C, (pcf)	**62.4**
I	% Saturation	**49.6**

READINGS

DATE	TIME	READING	
5/5/2020	9:30	0.2790	Initial
	9:40	0.2790	10 min/Dry
5/6/2020	9:40	0.3100	Final

FINAL MOISTURE

Final Weight of wet sample & tare	% Moisture
787.6	**19.2**

EXPANSION INDEX = 31

GEOTEK

EXPANSION INDEX TEST

(ASTM D4829)

Client:	AOA San Marcos, LLC	***Tested/ Checked By:***	DI Lab No Corona
Project Number:	3637-SD	***Date Tested:***	5/12/2020
Project Location:	Grand & Linda Vista	***Sample Source:***	B-5 @ 5 - 8 ft
		Sample Description:	

Ring #: _____ Ring Dia. : 4.01" Ring Ht. 1"

DENSITY DETERMINATION

A	Weight of compacted sample & ring (gm)	720.9
B	Weight of ring (gm)	365.7
C	Net weight of sample (gm)	**355.2**
D	Wet Density, lb / ft3 (C*0.3016)	**107.1**
E	Dry Density, lb / ft3 (D/1.F)	**93.2**

SATURATION DETERMINATION

F	Moisture Content, %	15.0
G	Specific Gravity, assumed	**2.70**
H	Unit Wt. of Water @ 20 °C, (pcf)	**62.4**
I	% Saturation	**50.1**

READINGS

DATE	TIME	READING	
5/12/2020	6:22	0.2680	Initial
	6:32	0.2670	10 min/Dry
5/13/2020	6:32	0.4030	Final

FINAL MOISTURE

Final Weight of wet sample & tare	% Moisture
778.3	**31.2**

EXPANSION INDEX = 136

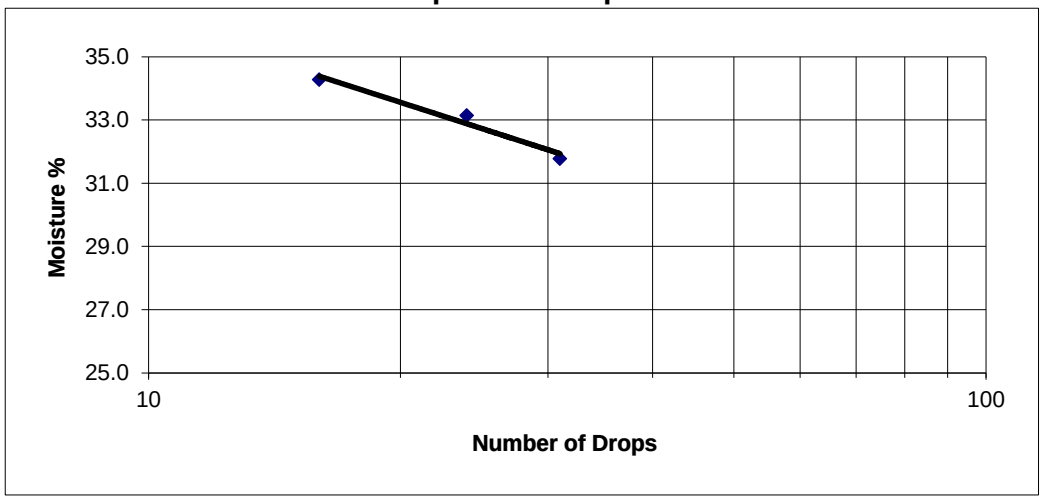
GEOTEK

ATTERBERG LIMITS DATA

Field Classification		Job No.	3637-SD
Sample Number		Client	AOA San Marcos
Sample Type	Bulk	Project	Grand & Linda Vista
Location	B-4 @ 0 - 5 ft		
Tested by:	DI		

	Plastic Limit			Liquid Limit		
Number of Blows				31	24	16
Wt. of Dish + Wet Soil	13.57	13.68		20.44	20.20	20.29
Wt. of Dish + Dry Soil	12.30	12.41		16.98	16.68	16.67
Wt. of Moisture	1.27	1.27		3.46	3.52	3.62
Wt. of Dish	6.08	6.10		6.09	6.06	6.11
Wt. of Dry Soil	6.22	6.31		10.89	10.62	10.56
Moisture Content %	20.4	20.1		31.8	33.1	34.3

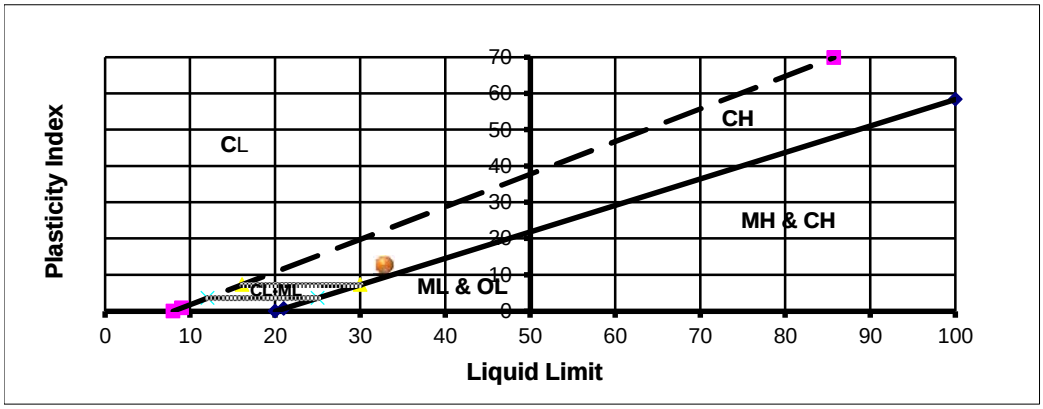
Liquid Limit Graph



Liquid Limit
33

Plastic Limit
20

Plasticity Index
13



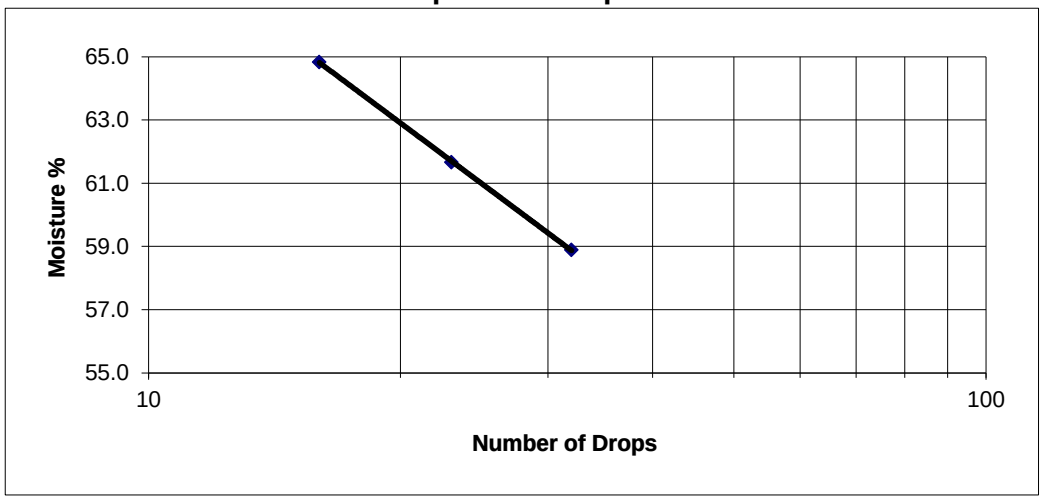
GEOTEK

ATTERBERG LIMITS DATA

Field Classification		Job No.	3637-SD
Sample Number		Client	AOA San Marcos
Sample Type	Bulk	Project	Grand & Linda Vista
Location	B-5 @ 5 - 8 ft		
Tested by:	DI		

	Plastic Limit			Liquid Limit		
Number of Blows				32	23	16
Wt. of Dish + Wet Soil	13.38	13.55		20.43	20.63	20.49
Wt. of Dish + Dry Soil	12.04	12.17		15.13	15.08	14.83
Wt. of Moisture	1.34	1.38		5.30	5.55	5.66
Wt. of Dish	6.09	6.11		6.13	6.08	6.10
Wt. of Dry Soil	5.95	6.06		9.00	9.00	8.73
Moisture Content %	22.5	22.8		58.9	61.7	64.8

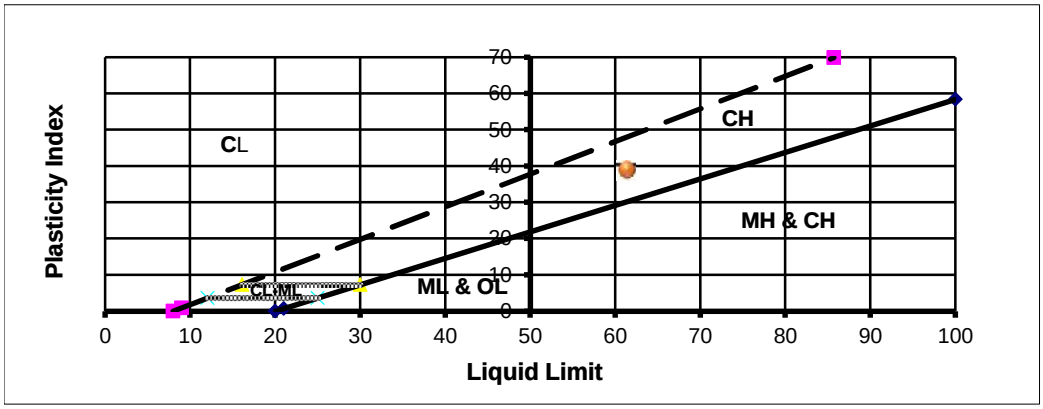
Liquid Limit Graph



Liquid Limit
61

Plastic Limit
23

Plasticity Index
39



GEOTEK

-200 WASH

Date: 5/9/2020
W.O.: 3637-SD sample ID B-4
Client: AOA San Marcos depth 0 - 5 ft
Project: Grand & Linda Vista

Sieve Size	Particle Diameter		Wt. Retained	Wt. Passing	% Passing	Specs
	in.	mm.				
#200	0.0029	0.074	91.4	108.6	54.3%	

Dry Weight 200

Soak Time 1440 Minutes

GEOTEK

-200 WASH

Date: 5/13/2020
W.O.: 3637-SD sample ID B-5
Client: AOA San Marcos depth 5 - 8 ft
Project: Grand & Linda Vista

Sieve Size	Particle Diameter		Wt. Retained	Wt. Passing	% Passing	Specs
	in.	mm.				
#200	0.0029	0.074	23.2	176.8	88.4%	

Dry Weight 200

Soak Time 1440 Minutes

LaBelle Marvin

R - VALUE DATA SHEET

PROJECT No. 45987

DATE: 5/7/2020

BORING NO. B-4 @ 0'-5'

CCI, Grand & Linda Vista

W.O.# 3637-SD

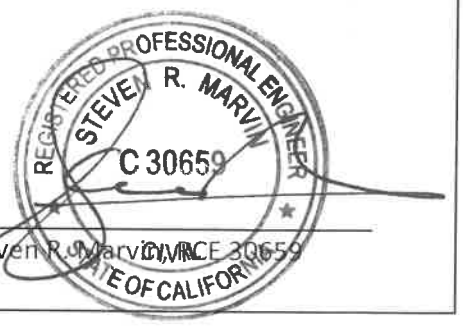
SAMPLE DESCRIPTION: Brown Sandy Clay

R-VALUE TESTING DATA | CA TEST 301			
	SPECIMEN ID		
	a	b	c
Mold ID Number	1	2	3
Water added, grams	87	137	60
Initial Test Water, %	17.0	22.3	14.2
Compact Gage Pressure,psi	40	30	75
Exudation Pressure, psi	374	249	726
Height Sample, Inches	2.45	2.60	2.36
Gross Weight Mold, grams	3016	3014	3020
Tare Weight Mold, grams	1954	1946	1958
Sample Wet Weight, grams	1062	1068	1062
Expansion, Inches x 10exp-4	3	2	19
Stability 2,000 lbs (160psi)	56 / 135	68 / 149	42 / 117
Turns Displacement	4.00	4.90	3.10
R-Value Uncorrected	10	4	23
R-Value Corrected	10	4	21
Dry Density, pcf	112.2	101.8	119.4

DESIGN CALCULATION DATA

Traffic Index	Assumed:	4.0	4.0	4.0
G.E. by Stability		0.92	0.98	0.81
G. E. by Expansion		0.10	0.07	0.63

Equilibrium R-Value	**6** by EXUDATION	Examined & Checked: 5 /7/ 20
REMARKS:	Gf = 1.25 0.0% Retained on the 3/4" Sieve.	Steven R. Marvin, CIVIL CE 30659



The data above is based upon processing and testing samples as received from the field. Test procedures in accordance with latest revisions to Department of Transportation, State of California, Materials & Research Test Method No. 301.

R-VALUE GRAPHICAL PRESENTATION

LaBelle Marvin

PROJECT NO. 45987

DATE: 5 /7/ 2020

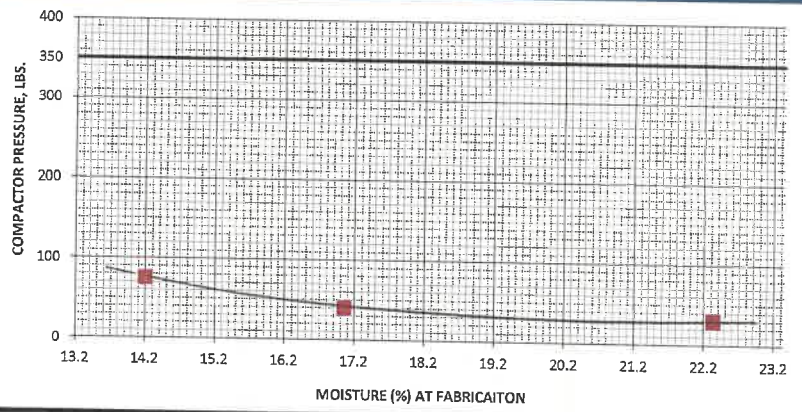
BORING NO. B-4 @ 0'-5'

CCI, Grand & Linda Vista

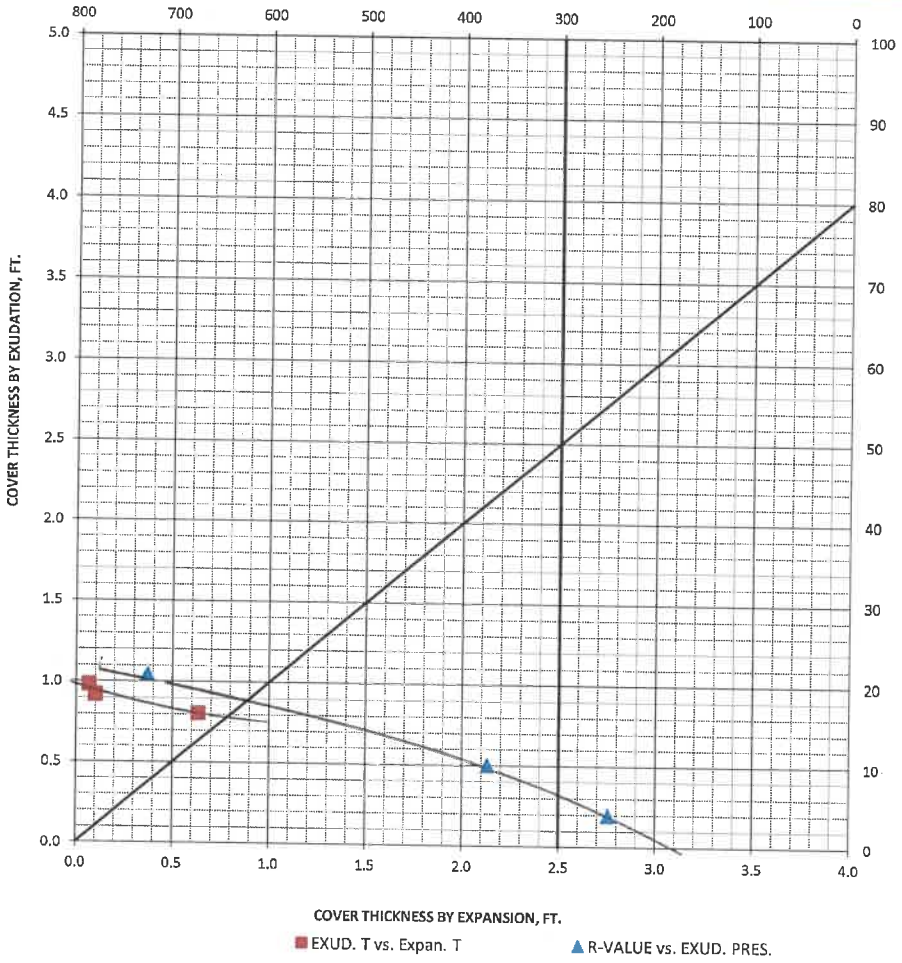
W.O.# 3637-SD

REMARKS:

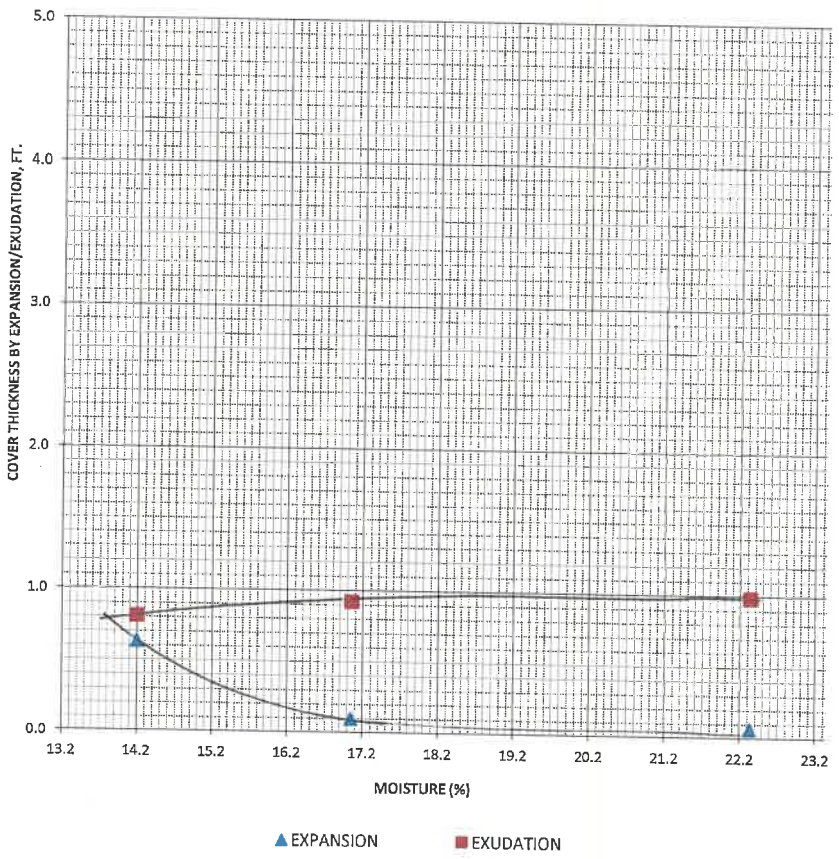
COMPACTOR PRESSURE vs MOISTURE %



COVER THICKNESS BY EXUDATION vs COVER THICKNESS BY EXPANSION



COVER THICKNESS vs MOISTURE %



Soil Analysis Lab Results

Client: GeoTek, Inc.
Job Name: 3637-SD
Client Job Number: 3637-SD
Project X Job Number: S200507B
May 12, 2020

	Method	ASTM D4327		ASTM D4327		ASTM G187		ASTM G51	ASTM G200	SM 4500-S2-D	ASTM D4327	ASTM D6919	ASTM D6919	ASTM D6919	ASTM D6919	ASTM D6919	ASTM D4327	ASTM D4327
Bore# / Description	**Depth**	**Sulfates** SO_4^{2-}		**Chlorides** Cl^-		**Resistivity** As Rec'd | Minimum		**pH**	**Redox**	**Sulfide** S^{2-}	**Nitrate** NO_3^-	**Ammonium** NH_4^+	**Lithium** Li^+	**Sodium** Na^+	**Potassium** K^+	**Magnesium** Mg^{2+}	**Calcium** Ca^{2+}	**Flouride** F_2^-	**Phosphate** PO_4^{3-}
	(ft)	(mg/kg)	(wt%)	(mg/kg)	(wt%)	(Ohm-cm)	(Ohm-cm)		(mV)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
B-4	0.0-5.0	251.9	0.0252	417.3	0.0417	676,700	563	7.53	246	0.18	51.8	ND	ND	444.2	1.4	22.4	76.9	13.2	ND

Cations and Anions, except Sulfide and Bicarbonate, tested with Ion Chromatography
mg/kg = milligrams per kilogram (parts per million) of dry soil weight
ND = 0 = Not Detected | NT = Not Tested | Unk = Unknown
Chemical Analysis performed on 1:3 Soil-To-Water extract

APPENDIX D

GENERAL EARTHWORK GRADING GUIDELINES

GEOTEK

GENERAL GRADING GUIDELINES

Guidelines presented herein are intended to address general construction procedures for earthwork construction. Specific situations and conditions often arise which cannot reasonably be discussed in general guidelines, when anticipated these are discussed in the text of the report. Often unanticipated conditions are encountered which may necessitate modification or changes to these guidelines. It is our hope that these will assist the contractor to more efficiently complete the project by providing a reasonable understanding of the procedures that would be expected during earthwork and the testing and observation used to evaluate those procedures.

General

Grading should be performed to at least the minimum requirements of governing agencies, Chapters 18 and 33 of the California Building Code, CBC (2019) and the guidelines presented below.

Preconstruction Meeting

A preconstruction meeting should be held prior to site earthwork. Any questions the contractor has regarding our recommendations, general site conditions, apparent discrepancies between reported and actual conditions and/or differences in procedures the contractor intends to use should be brought up at that meeting. The contractor (including the main onsite representative) should review our report and these guidelines in advance of the meeting. Any comments the contractor may have regarding these guidelines should be brought up at that meeting.

Grading Observation and Testing

1. Observation of the fill placement should be provided by our representative during grading. Verbal communication during the course of each day will be used to inform the contractor of test results. The contractor should receive a copy of the "Daily Field Report" indicating results of field density tests that day. If our representative does not provide the contractor with these reports, our office should be notified.
2. Testing and observation procedures are, by their nature, specific to the work or area observed and location of the tests taken, variability may occur in other locations. The contractor is responsible for the uniformity of the grading operations; our observations and test results are intended to evaluate the contractor's overall level of efforts during grading. The contractor's personnel are the only individuals participating in all aspect of site work. Compaction testing and observation should not be considered as relieving the contractor's responsibility to properly compact the fill.
3. Cleanouts, processed ground to receive fill, key excavations, and subdrains should be observed by our representative prior to placing any fill. It will be the contractor's responsibility to notify our representative or office when such areas are ready for observation.
4. Density tests may be made on the surface material to receive fill, as considered warranted by this firm.
5. In general, density tests would be made at maximum intervals of two feet of fill height or every 1,000 cubic yards of fill placed. Criteria will vary depending on soil conditions and size of the fill. More frequent testing may be performed. In any case, an adequate number of field density tests should be made to evaluate the required compaction and moisture content is generally being obtained.

6. Laboratory testing to support field test procedures will be performed, as considered warranted, based on conditions encountered (e.g. change of material sources, types, etc.) Every effort will be made to process samples in the laboratory as quickly as possible and in progress construction projects are our first priority. However, laboratory workloads may cause in delays and some soils may require a **minimum of 48 to 72 hours to complete test procedures**. Whenever possible, our representative(s) should be informed in advance of operational changes that might result in different source areas for materials.
7. Procedures for testing of fill slopes are as follows:
   a) Density tests should be taken periodically during grading on the flat surface of the fill, three to five feet horizontally from the face of the slope.
   b) If a method other than over building and cutting back to the compacted core is to be employed, slope compaction testing during construction should include testing the outer six inches to three feet in the slope face to determine if the required compaction is being achieved.
8. Finish grade testing of slopes and pad surfaces should be performed after construction is complete.

Site Clearing

1. All vegetation, and other deleterious materials, should be removed from the site. If material is not immediately removed from the site it should be stockpiled in a designated area(s) well outside of all current work areas and delineated with flagging or other means. Site clearing should be performed in advance of any grading in a specific area.
2. Efforts should be made by the contractor to remove all organic or other deleterious material from the fill, as even the most diligent efforts may result in the incorporation of some materials. This is especially important when grading is occurring near the natural grade. All equipment operators should be aware of these efforts. Laborers may be required as root pickers.
3. Nonorganic debris or concrete may be placed in deeper fill areas provided the procedures used are observed and found acceptable by our representative.

Treatment of Existing Ground

1. Following site clearing, all surficial deposits of alluvium and colluvium as well as weathered or creep effected bedrock, should be removed unless otherwise specifically indicated in the text of this report.
2. In some cases, removal may be recommended to a specified depth (e.g. flat sites where partial alluvial removals may be sufficient). The contractor should not exceed these depths unless directed otherwise by our representative.
3. Groundwater existing in alluvial areas may make excavation difficult. Deeper removals than indicated in the text of the report may be necessary due to saturation during winter months.
4. Subsequent to removals, the natural ground should be processed to a depth of six inches, moistened to near optimum moisture conditions and compacted to fill standards.
5. Exploratory back hoe or dozer trenches still remaining after site removal should be excavated and filled with compacted fill if they can be located.

Fill Placement

1. Unless otherwise indicated, all site soil and bedrock may be reused for compacted fill; however, some special processing or handling may be required (see text of report).

2. Material used in the compacting process should be evenly spread, moisture conditioned, processed, and compacted in thin lifts six (6) to eight (8) inches in compacted thickness to obtain a uniformly dense layer. The fill should be placed and compacted on a nearly horizontal plane, unless otherwise found acceptable by our representative.
3. If the moisture content or relative density varies from that recommended by this firm, the contractor should rework the fill until it is in accordance with the following:
   a) Moisture content of the fill should be at or above optimum moisture. Moisture should be evenly distributed without wet and dry pockets. Pre-watering of cut or removal areas should be considered in addition to watering during fill placement, particularly in clay or dry surficial soils. The ability of the contractor to obtain the proper moisture content will control production rates.
   b) Each six-inch layer should be compacted to at least 90 percent of the maximum dry density in compliance with the testing method specified by the controlling governmental agency. In most cases, the testing method is ASTM Test Designation D 1557.
4. Rock fragments less than eight inches in diameter may be utilized in the fill, provided:
   a) They are not placed in concentrated pockets;
   b) There is a sufficient percentage of fine-grained material to surround the rocks;
   c) The distribution of the rocks is observed by, and acceptable to, our representative.
5. Rocks exceeding eight (8) inches in diameter should be taken off site, broken into smaller fragments, or placed in accordance with recommendations of this firm in areas designated suitable for rock disposal. On projects where significant large quantities of oversized materials are anticipated, alternate guidelines for placement may be included. If significant oversize materials are encountered during construction, these guidelines should be requested.
6. In clay soil, dry or large chunks or blocks are common. If in excess of eight (8) inches minimum dimension, then they are considered as oversized. Sheepsfoot compactors or other suitable methods should be used to break up blocks. When dry, they should be moisture conditioned to provide a uniform condition with the surrounding fill.

Slope Construction

1. The contractor should obtain a minimum relative compaction of 90 percent out to the finished slope face of fill slopes. This may be achieved by either overbuilding the slope and cutting back to the compacted core, or by direct compaction of the slope face with suitable equipment.
2. Slopes trimmed to the compacted core should be overbuilt by at least three (3) feet with compaction efforts out to the edge of the false slope. Failure to properly compact the outer edge results in trimming not exposing the compacted core and additional compaction after trimming may be necessary.
3. If fill slopes are built "at grade" using direct compaction methods, then the slope construction should be performed so that a constant gradient is maintained throughout construction. Soil should not be "spilled" over the slope face nor should slopes be "pushed out" to obtain grades. Compaction equipment should compact each lift along the immediate top of slope. Slopes should be back rolled or otherwise compacted at approximately every 4 feet vertically as the slope is built.
4. Corners and bends in slopes should have special attention during construction as these are the most difficult areas to obtain proper compaction.
5. Cut slopes should be cut to the finished surface. Excessive undercutting and smoothing of the face with fill may necessitate stabilization.

UTILITY TRENCH CONSTRUCTION AND BACKFILL

Utility trench excavation and backfill is the contractors responsibility. The geotechnical consultant typically provides periodic observation and testing of these operations. While efforts are made to make sufficient observations and tests to verify that the contractors' methods and procedures are adequate to achieve proper compaction, it is typically impractical to observe all backfill procedures. As such, it is critical that the contractor use consistent backfill procedures.

Compaction methods vary for trench compaction and experience indicates many methods can be successful. However, procedures that "worked" on previous projects may or may not prove effective on a given site. The contractor(s) should outline the procedures proposed, so that we may discuss them **prior** to construction. We will offer comments based on our knowledge of site conditions and experience.

1. Utility trench backfill in slopes, structural areas, in streets and beneath flat work or hardscape should be brought to at least optimum moisture and compacted to at least 90 percent of the laboratory standard. Soil should be moisture conditioned prior to placing in the trench.
2. Flooding and jetting are not typically recommended or acceptable for native soils. Flooding or jetting may be used with select sand having a Sand Equivalent (SE) of 30 or higher. This is typically limited to the following uses:
   a) shallow (12 + inches) under slab interior trenches and,
   b) as bedding in pipe zone.

   The water should be allowed to dissipate prior to pouring slabs or completing trench compaction.
3. Care should be taken not to place soils at high moisture content within the upper three feet of the trench backfill in street areas, as overly wet soils may impact subgrade preparation. Moisture may be reduced to 2% below optimum moisture in areas to be paved within the upper three feet below sub grade.
4. Sand backfill should not be allowed in exterior trenches adjacent to and within an area extending below a 1:1 projection from the outside bottom edge of a footing, unless it is similar to the surrounding soil.
5. Trench compaction testing is generally at the discretion of the geotechnical consultant. Testing frequency will be based on trench depth and the contractors procedures. A probing rod would be used to assess the consistency of compaction between tested areas and untested areas. If zones are found that are considered less compact than other areas, this would be brought to the contractors attention.

JOB SAFETY

General

Personnel safety is a primary concern on all job sites. The following summaries are safety considerations for use by all our employees on multi-employer construction sites. On ground personnel are at highest risk of injury and possible fatality on grading construction projects. The company recognizes that construction activities will vary on each site and that job site safety is the contractor's responsibility. However, it is, imperative that all personnel be safety conscious to avoid accidents and potential injury.

In an effort to minimize risks associated with geotechnical testing and observation, the following precautions are to be implemented for the safety of our field personnel on grading and construction projects.

1. Safety Meetings: Our field personnel are directed to attend the contractor's regularly scheduled safety meetings.
2. Safety Vests: Safety vests are provided for and are to be worn by our personnel while on the job site.
3. Safety Flags: Safety flags are provided to our field technicians; one is to be affixed to the vehicle when on site, the other is to be placed atop the spoil pile on all test pits.

In the event that the contractor's representative observes any of our personnel not following the above, we request that it be brought to the attention of our office.

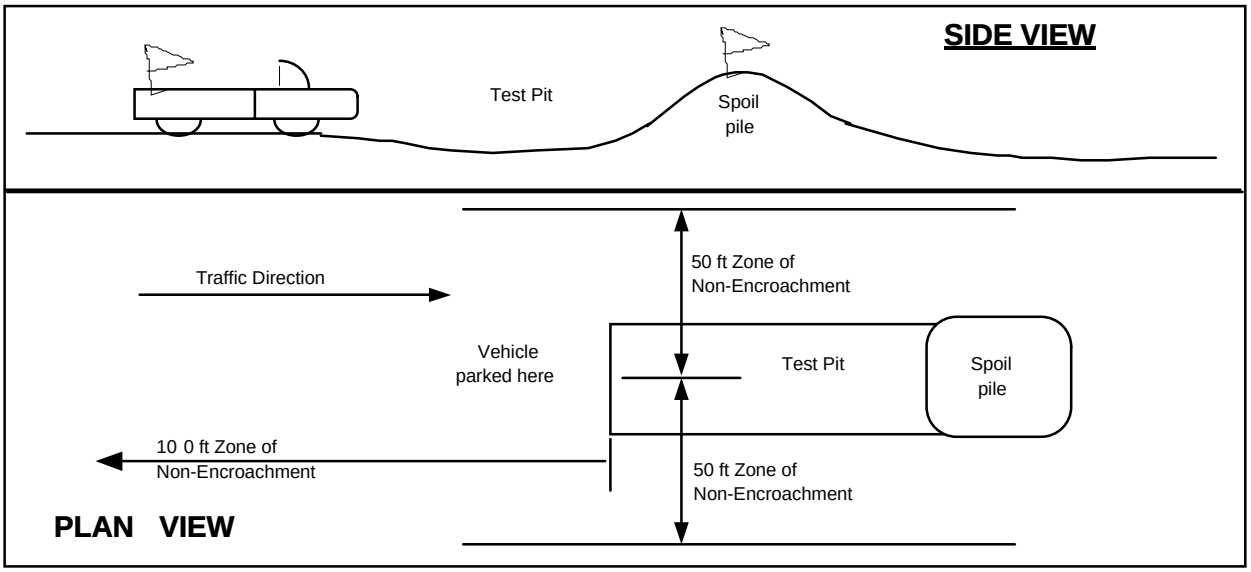
Test Pits Location, Orientation and Clearance

The technician is responsible for selecting test pit locations. The primary concern is the technician's safety. However, it is necessary to take sufficient tests at various locations to obtain a representative sampling of the fill. As such, efforts will be made to coordinate locations with the grading contractors authorized representatives (e.g. dump man, operator, supervisor, grade checker, etc.), and to select locations following or behind the established traffic pattern, preferably outside of current traffic. The contractors authorized representative should direct excavation of the pit and safety during the test period. Again, safety is the paramount concern.

Test pits should be excavated so that the spoil pile is placed away from oncoming traffic. The technician's vehicle is to be placed next to the test pit, opposite the spoil pile. This necessitates that the fill be maintained in a drivable condition. Alternatively, the contractor may opt to park a piece of equipment in front of test pits, particularly in small fill areas or those with limited access.

A zone of non-encroachment should be established for all test pits (see diagram below). No grading equipment should enter this zone during the test procedure. The zone should extend outward to the sides approximately 50 feet from the center of the test pit and 100 feet in the direction of traffic flow. This zone is established both for safety and to avoid excessive ground vibration, which typically decreases test results.

TEST PIT SAFETY PLAN



Slope Tests

When taking slope tests, the technician should park their vehicle directly above or below the test location on the slope. The contractor's representative should effectively keep all equipment at a safe operation distance (e.g. 50 feet) away from the slope during testing.

The technician is directed to withdraw from the active portion of the fill as soon as possible following testing. The technician's vehicle should be parked at the perimeter of the fill in a highly visible location.

Trench Safety

It is the contractor's responsibility to provide safe access into trenches where compaction testing is needed. Trenches for all utilities should be excavated in accordance with CAL-OSHA and any other applicable safety standards. Safe conditions will be required to enable compaction testing of the trench backfill.

All utility trench excavations in excess of 5 feet deep, which a person enters, are to be shored or laid back. Trench access should be provided in accordance with OSHA standards. Our personnel are directed not to enter any trench by being lowered or "riding down" on the equipment.

Our personnel are directed not to enter any excavation which;

1. is 5 feet or deeper unless shored or laid back,
2. exit points or ladders are not provided,
3. displays any evidence of instability, has any loose rock or other debris which could fall into the trench, or
4. displays any other evidence of any unsafe conditions regardless of depth.

If the contractor fails to provide safe access to trenches for compaction testing, our company policy requires that the soil technician withdraws and notifies their supervisor. The contractors representative will then be contacted in an effort to effect a solution. All backfill not tested due to safety concerns or other reasons is subject to reprocessing and/or removal.

Procedures

In the event that the technician's safety is jeopardized or compromised as a result of the contractor's failure to comply with any of the above, the technician is directed to inform both the developer's and contractor's representatives. If the condition is not rectified, the technician is required, by company policy, to immediately withdraw and notify their supervisor. The contractor's representative will then be contacted in an effort to effect a solution. No further testing will be performed until the situation is rectified. Any fill placed in the interim can be considered unacceptable and subject to reprocessing, recompaction or removal.

In the event that the soil technician does not comply with the above or other established safety guidelines, we request that the contractor bring this to technicians attention and notify our project manager or office. Effective communication and coordination between the contractors' representative and the field technician(s) is strongly encouraged in order to implement the above safety program and safety in general.

The safety procedures outlined above should be discussed at the contractor's safety meetings. This will serve to inform and remind equipment operators of these safety procedures particularly the zone of non-encroachment.

The safety procedures outlined above should be discussed at the contractor's safety meetings. This will serve to inform and remind equipment operators of these safety procedures particularly the zone of non-encroachment.

Appendix F

Phase I Environmental Site Assessment

Phase I Environmental Site Assessment

Marcos Specific Plan Project Site

DECEMBER 2022 (REV2)

Prepared for:

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709 Randolph Avenue
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Acronyms and Abbreviations

Acronym/Abbreviation	Definition
ASTM	American Society of Testing and Materials
BTEX	benzene, toluene, ethylbenzene, and xylenes
APN	Assessor's Parcel Number
CalGEM	California Geologic Energy Management Division
CalRecycle	California Department of Resources Recycling and Recovery
CERCLA	Comprehensive Environmental Response, Compensation and Liability Act
DEHQ	County of San Diego Department of Environmental Health and Quality
EDR	Environmental Data Resources
EPA	U.S. Environmental Protection Agency
ESA	Environmental Site Assessment
LUST	leaking underground storage tank
pCi/L	picocuries per liter
REC	recognized environmental condition
TPH	total petroleum hydrocarbons
UST	underground storage tank
VEC	vapor encroachment condition

1 Executive Summary

Dudek conducted a Phase I Environmental Site Assessment (ESA) for the Marcos Specific Plan Project site located at the northwest corner of Grand Avenue and Linda Vista Drive in San Marcos, California. The Marcos Specific Plan Project site consists of 11.95 acres of land on 12 contiguous parcels with the following Assessor's Parcel Numbers (APNs) as identified on the San Diego Geographic Information Source database: 219-152-70-00, 219-152-51-00, 219-152-79-00, 219-152-77-00, 219-152-76-00, 219-152-75-00, 219-152-74-00, 219-152-78-00, 219-152-42-00, 219-152-45-00, 219-152-44-00, and 219-152-61-00 (subject property); see Figure 1, Subject Property Location.

The findings of this investigation are based on historical sources, information contained in regulatory agency databases, interviews, and a site reconnaissance.

Information gathered for this report indicated the following:

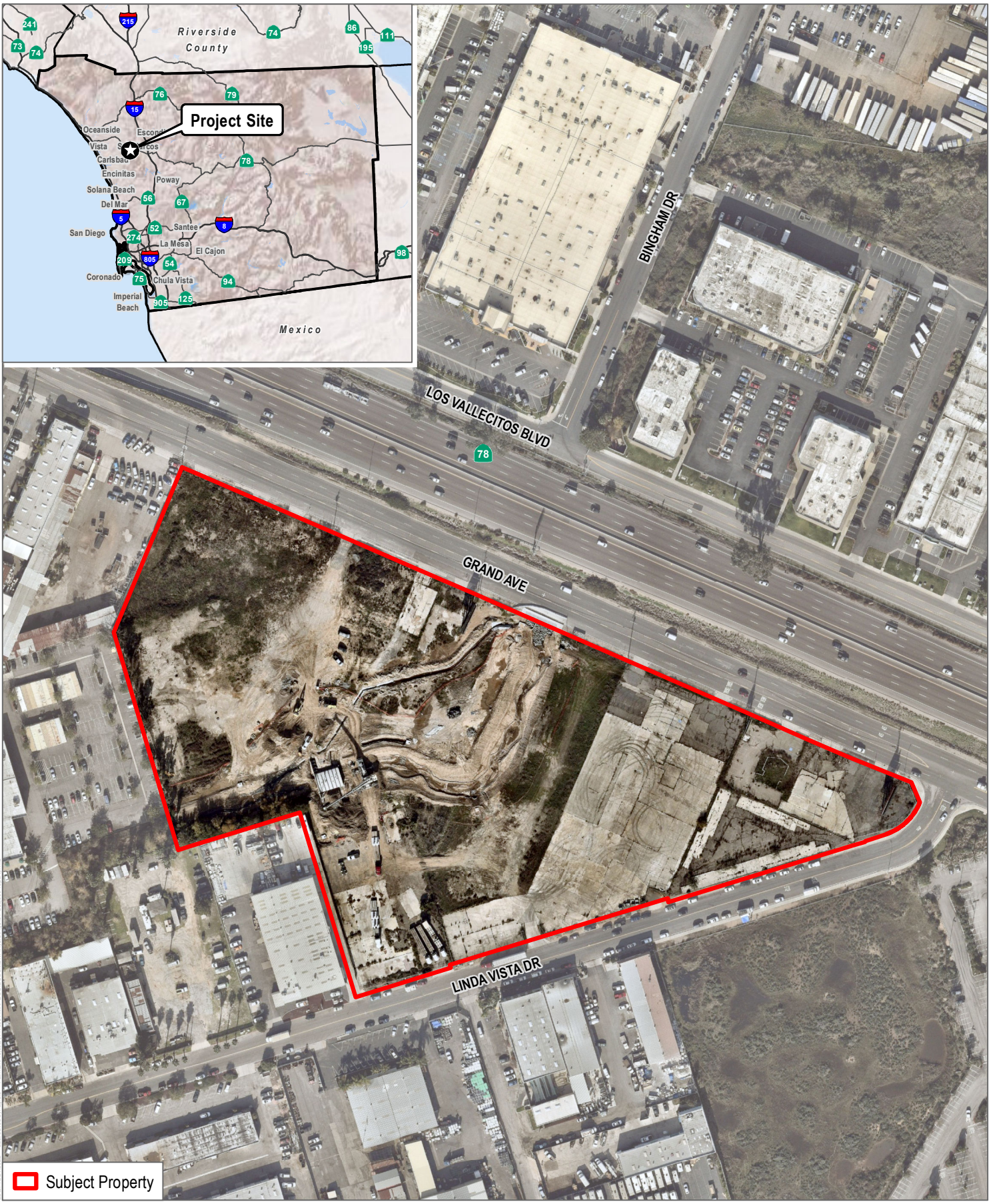
- The subject property was undeveloped until sometime after 1953; it was developed for commercial/industrial purposes by the early 1960s. Businesses that existed on the subject property included auto repair shops, construction companies, commercial and building retail, and concrete and metal manufacturers. All structures were removed by 2013.
- The subject property is currently vacant. Approximately 50% of the land is covered by degrading pavement and concrete from the prior businesses.
- Properties adjoining the subject property previously included small airfields to the northeast and south and currently include industrial and commercial properties in all directions apart from the one vacant lot to the south-southeast.
- Two former leaking underground storage tanks (LUST) cases and two former cleanup program cases were identified on the subject property. The former LUST case on the eastern end of the subject property was granted regulatory closure in 1988. The former LUST case on the southern end of the subject property was granted regulatory closure in 2017; an area of impacted soil was left in place. The former cleanup program cases were neighboring businesses on the western portion of the subject property. Regulatory closure was granted for both cases in 2012 based on future commercial use of the subject property.

Dudek performed this Phase I ESA of the subject property in conformance with the scope and limitations of the ASTM E1527-21 Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process. This report summarizes the research and findings of the Phase I ESA. This assessment did not reveal evidence of recognized environmental conditions (RECs) in connection with the subject property. However, historical and controlled RECs and a vapor encroachment condition were identified as described below. Data gaps, which were determined not to be significant, are discussed in Section 13, Limitations.

- The former LUST cases on the eastern and southern ends of the subject property are considered historical RECs as they were granted regulatory closure. However, an area of impacted soil, portions of which exceed regulatory screening levels for diesel, remains in place. As such, a vapor encroachment condition could not be ruled out for the subject property.

- The former cleanup cases on the western portion of the subject property are considered controlled RECs as they were granted regulatory closure based on future commercial use. The regulatory agency noted in the closure letter that a change in land use may require reassessment.

Dudek recommends preparation of a soil management plan prior to construction of the subject property. The soil management plan should describe the known former impacts at the subject property and detail management procedures should contamination and/or any features (e.g., former tanks) related to former chemical use be discovered during construction. In addition, if the subject property is planned for residential use, reassessment may be required for the western portion of the subject property as noted in the San Diego Department of Environmental Health closure letter for 1031 Grand Avenue (APN 219-152-70) and 1023 Grand Avenue (APN 219-152-47). San Diego Department of Environmental Health and Quality would need to be notified of any planned residential use and they may request additional investigation.



SOURCE: SANGIS 2020, 2022

DUDEK

0 100 200 Feet

FIGURE 1

Subject Property Location

Marcos Specific Plan

2 Introduction

This Phase I Environmental Site Assessment (ESA) was performed according to the guidelines stipulated in ASTM E1527-21 (ASTM 2021).[1] This Phase I ESA was conducted as part of environmental due diligence for redevelopment of the subject property.

2.1 Assessment Procedure and Scope of Investigation

Phase I ESAs assist in identifying past and present land use, including identification of possible releases or disposal of manufacturing or other wastes if such information is contained within regulatory reports or files and/or is currently visible on site. The assessment reviews federal (U.S. Environmental Protection Agency [EPA]), state, county, and local lists of known or potentially hazardous waste sites, landfills, and sites currently under investigation for environmental violations that may be of concern to a site.

The scope of this environmental investigation consisted of (1) a reconnaissance of the subject property; (2) a search of regulatory agency records; (3) a review of available historical aerial photographs, topographic maps, Sanborn fire insurance maps, city directory listings, and building department records; (4) interviews with the owner of the subject property and user of this report; and (5) preparation of this Phase I ESA report detailing the findings of the investigation.

These activities were conducted to identify RECs. The term *recognized environmental condition* (REC) means the presence or likely presence of any hazardous substances or petroleum products in, on, or at the subject property due to a release, likely release, past release, or material threat of a future release to the environment.

The term *controlled recognized environmental condition* is an environmental condition that would have been considered a REC in the past but that has been remediated and received risk-based closure by a regulatory agency (i.e., received a "no further action" letter) where residual contamination remains in place. Furthermore, the term *controlled REC* is used if the property is subject to a control or use restriction (i.e., property use restrictions, activity and use limitations, institutional controls, or engineering controls) due to residual on-site contamination.

The term *historical recognized environmental condition* is an environmental condition that would have been considered a REC in the past but that has been remediated and received unrestricted residential use closure by the regulatory agency. Therefore, no controls or use restrictions have been applied to the property.

The term REC is not intended to include de minimis conditions. De minimis conditions are conditions that generally do not present a material risk of harm to public health or the environment and thus would not be subject to an enforcement action if brought to the attention of governmental agencies.

[1] ASTM E1527-21 was released on November 17, 2021. EPA concurrence with the revised standard is pending. Thus, compliance with the All Appropriate Inquiries Rule to qualify for an exemption from CERCLA liability will remain under ASTM E1527-13 until EPA concurs with the new standard. This Phase I ESA meets the requirements of both ASTM E1527-13 and E1527-21.

2.2 Qualifications of Environmental Professionals

This Phase I ESA was prepared by Glenna McMahon, environmental engineer, and Nicole Tucker, hydrogeologist. Qualifications for Ms. McMahon and Ms. Tucker are included in Appendix A.

I, Glenna McMahon, declare that, to the best of my professional knowledge and belief, I meet the definition of environmental professional as defined in Section 312.10 of Title 40 of the Code of Federal Regulations, Part 312. I have the specific qualifications based on education, training, and experience to assess a property of the nature, history, and setting of the subject property. I have developed and performed all appropriate inquiries in conformance with the standards and practices set forth in Title 40 of the Code of Federal Regulations, Part 312.

3 Site Location

The subject property consists of 12 contiguous parcels of land comprising 11.95 acres located.

The subject property is located at the northwestern corner of Grand Avenue and Linda Vista Drive in the City of San Marcos, San Diego County, California. According to records reviewed, it includes the following addresses: 931 to 1057 Grand Avenue and 930 and 1010 Linda Vista Drive. According to the San Diego Geographic Information Source database, the parcels for the subject property include Assessor's Parcel Numbers (APNs) 219-152-70-00, 219-152-51-00, 219-152-79-00, 219-152-77-00, 219-152-76-00, 219-152-75-00, 219-152-74-00, 219-152-78-00, 219-152-42-00, 219-152-45-00, 219-152-44-00, and 219-152-61-00.

The subject property is currently vacant and mostly covered in broken or unmaintained pavement and concrete with some areas with dirt and low-lying vegetation. A stream channel runs through the center of the subject property; a bridge crosses the stream on the western side of the subject property. Three billboards are located on the northern side of the subject property—one billboard on the eastern most corner of the subject property, the second billboard 330 feet further east of the stream channel, and the third billboard 120 feet west of the stream channel.

The subject property is surrounded by mostly industrial and commercial facilities. A landscaping company adjoins the subject property on the northwestern boundary. Grand Avenue followed by California State Route 78 adjoin the subject property to the north. A parking lot and undeveloped lot are adjoining off the eastern corner at the end of Linda Vista Drive. A metal fabrication shop, a cabinet and granite supply, and an agricultural supply store are south of the subject property and Linda Vista Drive. An auto repair shop is on the southern adjoining corner lot. The western adjoining property is an electronic manufacturer.

4 Environmental Setting

4.1 Topography and Geology

The subject property is located in the central western portion of the City of San Marcos (City), on the south side of California State Route 78.

General topographic information for the subject property and the surrounding area was obtained from a review of topographic maps (Appendix B), the Environmental Data Resources (EDR) Radius Map Report (Appendix C), and a site visit. The subject property lies within the San Marcos Creek valley along a tributary of the Los Posas Branch of San Marcos Creek, in the hills of San Marcos. The natural topography of the subject property consists of mostly flat terrain with a slight slope towards the southwest and San Marcos Creek except for the northwestern corner of the subject property where there is a slight downward gradient to the north. Las Posas Creek bisects the center of the subject property and runs from the center of the northern boundary south to a bend that turns to the west. The subject property sits at an average elevation of 550 feet above mean sea level.

No subsurface geologic investigations were performed as part of this Phase I ESA. According to the EDR Radius Map Report (Appendix C), the subject property is underlain by the Placentia sandy loam soil components. Placentia soils have a sandy loam texture, are partially hydric, and have very slow infiltration rates.

4.2 Groundwater

According to the EDR Radius Map Report, there are 240 water wells located within 1 mile of the subject property. The nearest groundwater monitoring wells, a set of five monitoring wells formerly located on the southern corner of the subject property, had reported depths to water of 4.46 to 7.21 feet below ground surface in November 2015. Based on records maintained by the State Water Resources Control Board GeoTracker website (SWRCB 2022) and County of San Diego Department of Environmental Health and Quality (DEHQ), the five monitoring wells were installed to monitor groundwater conditions related to petroleum hydrocarbon contamination from a former leaking underground storage tank (LUST). The wells were destroyed in March 2017 following DEHQ's concurrence for case closure; evidence of the former wells was not observed during the site reconnaissance. The groundwater gradient was reportedly to the southwest.

4.3 Agricultural Use

The subject property is not currently used for agricultural purposes. Historical sources (see Section 8, Site History) indicate the subject property was undeveloped until sometime after 1953 and developed commercially in the 1960s. Therefore, it is unlikely that historical agricultural use is an environmental concern.

5 Public Agency Records Search

Table 1 summarizes the environmental databases that were searched as required by ASTM E1527-21, as well as additional environmental databases providing information on hazardous materials and petroleum products on the subject property that were searched ("target property" is the term used by EDR.) The comprehensive list of databases is included in the EDR Radius Map Report, which was prepared on October 25, 2022 (Appendix C).

Table 1 lists the databases that were searched, search distances from the subject property, whether the subject property was listed, and the number of sites identified.

Table 1. Regulatory Database Search Summary

Acronym	Database	Search Distance	Subject Property Listed?	Number of Surrounding Sites Listed
NPL	National Priorities List (including proposed NPL sites and NPL Liens [target property only])	1 mile	No	0
Proposed NPL	Sites proposed for NPL	1 mile	No	0
Delisted NPL	NPL Deletions	1 mile	No	0
CERCLIS – Federal Facility	Comprehensive Environmental Response, Compensation, and Liability Information System for the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) with U.S. Environmental Protection Agency Federal Restoration and Reuse Office involvement	0.5 miles	No	0
CERCLIS – SEMS	CERCLA Superfund Enterprise Management System	0.5 miles	No	0
CERCLIS NFRAP (SEMS ARCHIVE)	No Further Remedial Action Planned – CERCLA SEMS Archive	0.5 miles	No	4
CORRACTS	Resource Conservation and Recovery Act (RCRA) Corrective Action	1 mile	No	2
RCRA TSDF	RCRA – Transportation, Storage, and Disposal Facilities	0.5 miles	No	1
RCRA-LQG	RCRA Large Quantity Generators	0.25 miles	No	0
RCRA-SQG	RCRA Small Quantity Generators	0.25 miles	No	10
RCRA-VSQG	RCRA Very Small Quantity Generators	0.25 miles	No	2
ERNS	Emergency Response Notification System	Target property	No	0
LUCIS	Land Use Control Information System – Institutional Control/Engineering Control	0.5 miles	No	0
US ENG CONTROLS	Federal sites with Engineering Controls	0.5 miles	No	0
US INST CONTROLS	Federal sites with Institutional Controls	0.5 miles	No	0
RESPONSE	State- and Tribal-Equivalent CERCLIS – Confirmed Release List	1 mile	No	0

Table 1. Regulatory Database Search Summary

Acronym	Database	Search Distance	Subject Property Listed?	Number of Surrounding Sites Listed
SWF/LF	State and Tribal Landfill and/or Solid Waste Disposal Site	0.5 miles	No	3
LUST	State Leaking Underground Storage Tank	0.5 miles	Yes	39
Indian LUST	Tribal LUST	0.5 miles	No	0
AST	State and Tribal Registered Aboveground Storage Tank	0.25 miles	No	3
UST	State and Tribal Registered Underground Storage Tank	0.25 miles	No	3
Indian UST	Registered Underground Storage Tank on Tribal Land	0.25 miles	No	0
FEMA UST	Federal Emergency Management Agency (FEMA) owned Registered UST	0.25 miles	No	0
Indian VCP	Voluntary Cleanup on Tribal Land	0.5 miles	No	0
VCP	State and Tribal Voluntary Cleanup	0.5 miles	No	0
Brownfields	State and Tribal Brownfields	0.5 miles	No	0
Additional environmental records, including local lists		*Varies*	*Yes*	*250*

Note: The search distances in the EDR report and listed in this table are equal to or greater than the search distances required by ASTM E1527-21.

5.1 Subject Property

The subject property was identified under the following names: Star Builders Supply; Star Builders Supply of San Marcos; Grand Ave Drainage Rd Improvement Project CIP 8821; GW Extraction, Las Posas Reach Flood Protection Co; 1x B R Slay; Astleford Construction Inc; TNT Blancard General Engineering; 1X Templeton Grating & Excavating, Grand Channel Bridge Project – City of San Marcos; Carpentry Plus; San Marcos Polishing; 1X Lancaster Auto Body; Cribwall Company Site; APEX Import Garage; Grand Avenue Metal Industrial Buildings; Rudys Radiator Shop; Scotts VW Paradise, San Marcos Polishing; Auto Tune; Retaining Walls; K&K Transmission; Dr Trans; B&R Porsche; Jerry's Equipment; Computer Edge Automotive; Johns Mobile; and Concrete Specialties. The aforementioned businesses were listed in the following databases[2]: AST, CERS, CIWQS, CORTESE, CPS-SLIC, ECHO, EDR HIST AUTO, ENF, FINDS, HAZNET, HIST CORTESE, HIST UST, HWTS, LUST, NPDES, RCRA NONGEN / NLR, RCRA-SQG, RGA LUST, SAN DIEGO CO LOP, SAN DIEGO CO. HMMD, SAN DIEGO CO. SAM, and SWEEPS UST.

HWTS and HAZNET: These databases present information about facilities, generator identification numbers, and waste manifests. Four listings were for former auto garages with an oil/water separator, waste oil, metal sludge, and unspecified sludge waste. One listing was for a car retail with photo-processing waste and surplus organics. Another listing was for disposal of asbestos-containing waste from buildings removed in 2011.

RCRA NonGen/NLR and RCRA-SQG: These databases identify hazardous waste generators. Two former auto garages on the subject property were listed in these databases.

[2] Definitions for acronyms not shown in Table 1 can be found in the EDR Radius Report in Appendix C.

ECHO and FINDS: These databases identify RCRA, LUST, and Superfund cases associated with the subject property. Listings on the subject property included a stormwater construction permit and construction dewatering permit for a creek improvement project, small quantity hazardous waste generator for a construction company, two LUST cases associated with two construction related companies, and two cleanup sites for a metal industrial supply and a concrete manufacturer.

CERS and San Diego County LOP: These databases present information about the facility and the regulatory status. Two closed Cleanup Program Site and two LUST cases are identified at the subject property.

AST HIST UST, SWEEPS UST, San Diego County HMMD, and San Diego County SAM: These databases include information about USTs previously located at the subject property. USTs at the subject property included one 1,000-gallon gasoline tank, four 12,000-gallon gasoline tanks, and one 1,000-gallon waste oil tank. All USTs were removed in 1994. The databases also include information about hazardous materials stored on the subject property. One business had permits for acetylene compressed gas, diesel fuel, ethylene glycol (antifreeze), lubricating oil, oxygen compressed gas, aqueous solution waste, hydrocarbon solvents waste (parts cleaner), waste oil, used batteries, and used oil filters.

EDR HIST AUTO: This database notes that an automotive repair shop operated at the subject property from 1982 through 2010.

LUST, RGA LUST, CPS-SLIC, CORTESE, and HIST CORTESE: These databases present information about releases at the subject property. Four releases were reported for the subject property. Two of the releases were identified after removing USTs at two different locations on the subject property. The other releases were related to previous industrial fabrication, auto repair, and industrial manufacturing businesses on the subject property. Additional information about the release cases is presented in Section 6.3.5.

5.2 Adjoining Properties

A total of 20 listings were identified adjoining the subject property with 13 unique addresses. Two release sites were identified adjoining the subject property.

American Fence Co. This site is located at 1075 Grand Avenue, adjoining the subject property to the west. It was identified in the SAN DIEGO CO. SAM, SAN DIEGO CO. HMMD, CORTESE, NPDES, SAN DIEGO CO LOP, CERS, LUST, HIST CORTESE, and SWEEPS databases. According to information included in the database listing and a review of DEHQ information, a 550-gallon gasoline UST was removed in 1988. Upon removal staining was observed near the tank and 56 cubic yards of soil were removed. Five monitoring wells were installed to investigate the release. Groundwater was monitored for total petroleum hydrocarbons (TPH) and benzene, toluene, ethylbenzene, and xylenes (BTEX) for several years. As concentrations of TPH and BTEX were below regulatory screening levels, the wells were destroyed in April 1992 and the case received closure in June 1992. Based on the groundwater flow direction (cross- to downgradient of the subject property), detections of TPH and BTEX below screening levels, and the regulatory sure closure, it is unlikely that this site impacted the environmental conditions of the subject property.

Spanjian/Dufour/North County Factory Outlet: This site is located at 1050 Los Vallecitos Boulevard, north of the subject property, on the north side of California State Route 78. It was identified in the RCRA-SQG, FINDS, ECHO, SAN DIEGO CO. SAM, CPS-SLIC, and CERS databases. According to information included in the database and a review of documents on GeoTracker, the site was used to manufacture sportswear. In 1989, a release of volatile organic compounds was discovered. Mineral spirits and multiple volatile organic compounds (1,1-DCA; 1,1-DCE;

1,4-Dioxane; Freon 113) were detected in soil and groundwater samples on the site over two decades. A soil and groundwater remediation system was operated from July 1991 to May 1992, which reduced dichloroethylene concentrations by approximately 60%. A cleanup and abatement order was issued in January 1993, which required 5 years of groundwater monitoring. An investigation into the soil and groundwater data in 1999 led to the conclusion that some of the contamination beneath the site had migrated from the upgradient Signet Armorlite facility. In 2000 a Phase I ESA reported that the Regional Water Quality Control Board had no additional remediation directives for the site. The plume was determined to be stable per a monitoring report in 2004, except for Freon 113, which was attributed to the Signet Armorlite facility. North County Factory Outlet and Signet Armorlite began coordinating efforts in 2009 to characterize the groundwater plumes. Following further monitoring and characterization of the plumes, a request for closure was made in 2013 and granted in 2014. The plumes were determined to be naturally attenuating or at concentrations too low to be a public health concern. Based on the 2013 report, the plumes do not extend as far as the subject property and would not be considered an environmental concern for the subject property.

5.3 Nearby Properties

A total of 128 listings were identified within the applicable search radii surrounding the subject property. There were 73 unique addresses associated with the 128 listings. Of the 73 unique sites, 33 were identified as sites with releases. Based on a review of GeoTracker and EnviroStor, all of the sites with known releases have received regulatory closure.

A total of 23 LUST cases were identified within 0.50 miles of the subject property. All of these cases have received closure. Based on the distance to the subject property and the regulatory status of the sites, it does not appear that these sites would have impacted the environmental condition of the subject property.

A total of 10 cleanup sites were identified within 1 mile of the subject property. Given the distance of the sites from the subject property and the contamination being limited to soil, it does not appear these sites would have impacted the environmental condition of the subject property.

Multiple sites are also listed as hazardous waste generators (RCRA-SQG, RCRA NonGen/NLR, MANIFEST), have hazardous materials stored on site (AST, UST), or are permitted solid waste disposal or recycling centers (SWRCY, SWF/LF). These listings are administrative in nature and do not necessarily indicate a release of hazardous materials to the environment, so it is unlikely that these sites have impacted the environmental conditions of the subject property.

5.4 Unmapped Sites

Unmapped sites are flagged by EDR but not mapped due to insufficient address information. They are usually included in the database search report because they are in the same zip code as the subject property. The EDR report identified three unmapped sites. One unmapped site, AT&T CALIFORNIA - DBV0, was found to be 0.75 miles west of the subject property and is listed in the HMMD San Diego database for a permit related to a Hazardous Materials Release Response Plan created for nickel cadmium batteries stored on site. The violations are related to housekeeping and not indicative of a release. Evans Dedicated Systems is located 0.4 miles east of the subject property, which is cross-gradient of the subject property. Sunny Fresh Cleaners is located somewhere along San Marcos Boulevard, which would also be cross-gradient or down-gradient of the subject property and too far, a minimum of 0.25 miles, from the subject property to pose an environmental concern.

6 Interviews

6.1 Site Representative Interview

Dudek sent a site background questionnaire to the user of this report on October 17,2022. A representative of AOA, the subject property owner, stated that "AOA has not owned the property long enough to have the history." Dudek sent the property background questionnaire to the former owner of the subject property, the City of San Marcos, on November 18, 2022. The City responded that the subject property was transferred to AOA Marcos in April 2019 and the City did not know specifics of its previous use. The lack of response to the site representative interview is considered a data gap.

6.2 User-Provided Information

In accordance with ASTM E1527-21, to qualify for one of the Landowner Liability Protections offered by the Small Business Liability Relief and Brownfields Revitalization Act of 2001, the tasks outlined in Section 6.2 through 6.6 of ASTM E1527-21 must be completed, including a search for environmental liens and activity use limitations. To facilitate this requirement, Dudek sent the following questions to the u of this report, AOA Marcos. Answers to these questions would fulfill the requirement of Sections 6.2 through 6.6 of the ASTM Standard. AOA Marcos did not provide responses to the questions below. As such, this is considered a data gap.

1. **Question:** Are you aware of any environmental cleanup liens against the property that are filed or recorded under federal, tribal, state, or local law?
2. **Question:** Are you aware of any activity and land use limitations, such as engineering controls, land use restrictions, or institutional controls that are in place at the site and/or have been filed or recorded in a registry under federal, tribal, state, or local law?
3. **Question:** As the user of this ESA, do you have any specialized knowledge or experience related to the property or nearby properties? For example, are you involved in the same line of business as the current or former occupants of the property or an adjoining property so that you would have specialized knowledge of the chemicals and processes used by this type of business?
4. **Question:** Does the purchase price being paid for this property reasonably reflect the fair market value of the property? If you conclude that there is a difference, have you considered whether the lower purchase price is because contamination is known or believed to be present at the property?
5. **Question:** Are you aware of commonly known or reasonably ascertainable information about the property that would help the environmental professional to identify conditions indicative of releases or threatened releases? (a) Do you know the past uses of the property, (b) do you know of specific chemicals that are present or once were present at the property, (c) do you know of spills or other chemical releases that have taken place at the property, or (d) do you know of any environmental cleanups that have taken place at the property?
6. **Question:** As the user of this ESA, based on your knowledge and experience related to the property, are there any obvious indicators that point to the presence or likely presence of contamination at the property?

6.3 Local Agency Records

6.3.1 City of San Marcos

Dudek contacted the City Clerk for the City of San Marcos for all building permits and hazardous material business plans, inspections, and violations. Dudek received a response on November 21, 2022, that there are building permits for the subject property. No current building permits were provided. The older building permits indicated that most of the buildings were demolished by 2011 and the building at 1010 Linda Vista Drive was the last to be demolished in 2013. The Fire Department confirmed there are no hazardous materials reports or violations on record and that San Diego County maintains hazmat records.

Zoning information for the subject property was obtained from the City website (City of San Marcos 2022). All parcels are zoned for commercial use. A mixed use plan application is under review for the subject property that would include multi-unit residential buildings, commercial space, and live/work units.

6.3.2 Vallecitos Water District

Dudek contacted the Vallecitos Water District for all records related to hazardous waste or material releases, USTs, or corrective actions for the subject property. Dudek received response on November 28, 2022, stating that they had no such records for the subject property.

6.3.3 San Diego County

6.3.3.1 Department of Planning and Development Services

Dudek reviewed the San Diego Department of Planning and Development Services online database (San Diego County 2022), which maintains records of building permit applications. However, no records were identified for the subject property.

6.3.3.2 Department of Environmental Health and Quality

Dudek contacted DEHQ, which acts as the County's Certified Unified Program Agency and as a local oversight regulatory program to obtain information about potential spills, cleanups, tanks, or chemical use that may have impacted the environmental conditions of the subject property. Dudek received a response on November 1, 2022. Files included information on hazardous material permits for multiple former businesses and further documentation on cleanup efforts for Star Builder Supply, Astleford Construction, the Cribwall Company Site, and Grand Avenue Metal Industrials site. Further details for all four cases are discussed in Section 6.3.5. Copies of the documents provided are presented in Appendix D.

6.3.3.3 Agriculture, Weights, and Measures

Dudek contacted San Diego County Agriculture, Weights, and Measures to obtain files related to agricultural land use and historical pesticide use. A response was received by November 28, 2022, stating that the agency has one record on file for the subject property under the weights and measures division and none for agriculture. However, no activity has been recorded since 2011 and no records are retained prior to that year.

6.3.4 CalRecycle Solid Waste Information System

Dudek reviewed the California Department of Resources Recycling and Recovery (CalRecycle) Solid Waste Information System online database (CalRecycle 2022). The database has information for all solid waste facilities, operation, and disposal sites in California.

No sites were identified on the subject property. Two sites, located at 224 S Las Posas Rd, were mapped approximately 0.3 miles west-northwest of the subject property. Both sites are active and permitted transfer/processing solid waste facilities. One site is for inert construction/demolition debris processing with monthly inspections. The second site is used for limited volume transfer of municipal waste with quarterly inspections. No violations or enforcement actions were noted.

Based on the nature of the facilities, distance from the subject property, and the cross-gradient location, it is unlikely that these sites have impacted the environmental conditions of the subject property.

6.3.5 State Water Resources Control Board

Dudek searched GeoTracker, the State Water Resources Control Board's data management system, for sites that impact, or have the potential to impact, water quality in California. Records include sites that require cleanup, various unregulated projects, and permitted facilities (SWRCB 2022). There were 24 sites identified within 0.5 miles of the subject property. These sites are also identified in the EDR database report; sites that may have impacted the subject property are discussed in Section 5, Public Agency Records Search.

Two former LUST cases and two former cleanup program cases for the subject property were identified in the GeoTracker database. As the records available on GeoTracker were incomplete, Dudek also submitted a request to review records to the Regional Water Quality Control Board. Records for the subject property were reviewed on November 4, 2022, and are discussed below in conjunction with the records from GeoTracker.

Star Builder Supply, 961 Grand Avenue: A 1,000-gallon UST was removed from the eastern portion of the subject property in December 1987. Upon removal, no gasoline was observed. However, there were three holes in the tank, an odor was present, and sand beneath the task was discolored. In January 1988, soil samples were collected from the excavation and backfill sand that had been directly beneath the tank. The samples were analyzed for fuel-constituents, including gasoline and BTEX. The only sample that exceeded screening levels was from the excavated backfill. No odor or discoloration was observed in the soil beneath the backfill. The excavated backfill was removed from the site and the excavation was filled and patched. The LUST case was closed in 1988.

Grand Channel Bridge Project/Astleford Construction, 1010 Linda Vista Drive (APN 219-152-08): Five underground storage tanks—four 12,000-gallon diesel tanks and one 1,000-gallon waste oil tank—were removed in 1991 from the former Astleford Construction company at 1010 Linda Vista Drive, formerly on the southern end of the subject property. Low levels of TPH were detected near the former tanks. The case was closed by DEHQ. An investigation was opened in 2014 when elevated concentrations of gasoline and diesel were found in soil and groundwater on the northern side of the site near the creek and in the vicinity of the former USTs. Site investigations and monitoring were conducted between 2015 and 2017. Per the 2017 closure report (DEHQ 2017), constituents of concern were not detected in groundwater during the three monitoring events and approximately 130 cubic yards of soil with concentrations of diesel exceeding the regulatory screening level in the top 5 feet (SCS 2016) were left in place on

the northern portion of the site (bordering the creek). The bridge that crosses the creek has since been built in this area; thus, some of the impacted soil may have been removed.

Grand Avenue Metal Industrials, 1031 Grand Avenue (APN 219-152-70) and Cribwall Company Site, 1023 Grand Avenue (APN 219-152-47): These were neighboring businesses formerly on the western portion of the subject property that conducted metal fabrication, auto repair, and manufacturing. Site features of concern included a former septic tank, former septic leach field, former parts washers, a wastewater trench drain, and former burial and forming pits. Site assessment, remediation, and monitoring for TPH and volatile organic compounds was conducted between 2006 and 2011. Ultimately, soil and groundwater data indicated that the primary contaminant of concern was TPH. A mitigation plan, based on the proposed commercial use of the site, was approved by DEHQ in 2012. Mitigation activities included excavation and off-site disposal of contaminated soils and further evaluation of the trench drain, as well as soil excavation, soil stockpile sampling, groundwater sampling, backfilling areas with clean fill, analysis of vapor risk, and dewatering and offsite disposal of extracted groundwater. Both properties were granted closure by DEHQ in July 2012 following the completion of the site mitigation plan. The closure is based on commercial use of the site. DEHQ noted in the closure letter (DEHQ 2012) the if the land use changes, reassessment may be required.

6.3.6 Department of Toxic Substances Control

Dudek searched the EnviroStor database management system used for tracking cleanup, permitting, enforcement, and investigation efforts at hazardous waste facilities and sites with known contamination (DTSC 2022). The subject property was not identified in the database; however, eight sites were identified within 1 mile of the subject property. Dudek reviewed these sites and based on distance, impacted media, hydrogeologic location, and/or regulatory case status, none of the sites were determined to have impacted the environmental conditions of the subject property.

Dudek also submitted a request to review records to the Department of Toxic Substances Control. The Department of Toxic Substances Control responded on November 1, 2022, that they had records for the Cribwall Construction Site. The files were determined to be the same as the files received from DEHQ (Appendix D).

6.3.7 California Environmental Protection Agency Regulated Site Portal

Dudek reviewed the California Environmental Protection Agency Regulated Site Portal, which contains data about environmentally regulated sites and facilities in California (CalEPA 2022). Data sources for the portal include California Environmental Reporting System, the Department of Toxic Substances Control EnviroStor, the State Water Resources Control Board GeoTracker, California Integrated Water Quality System, and the Federal Toxics Release Inventory.

California Environmental Protection Agency sites are generally administrative in nature, identifying sites that have environmental permits or that handle hazardous materials or generate hazardous waste, but that do not necessarily have an uncontrolled release of hazardous substances to the environment.

The subject property was listed for two LUST sites and two Cleanup Program Sites. Additional information about the subject property listings is presented in Section 6.3.5.

Over 100 sites were identified within 0.5 miles of the subject property. A total of 50 sites within 0.5 miles of the subject property have had violations. Only one of these sites has a violation regarding releases to the environment that was not discussed in Section 6.3.5; this site is discussed below.

Meadowlark CS #47772: This site is a sewerage system located at 201 Vallecitos De Oro, 0.25 miles east of the subject property on the northwest side. The site has had a total of 17 sewage system overflows between 1999 and 2004. The releases that have reached the waterway are noted to discharge to San Marcos Creek, not reaching the subject property. Based on the location of the site cross-gradient to the subject property, this site is unlikely to have impacted the environmental conditions of the subject property.

6.3.8 California Geologic Energy Management Division

Dudek reviewed the California Geologic Energy Management Division (CalGEM) database on November 2, 2022 (CalGEM 2022). One oil and gas well was mapped within 1 mile of the subject property. The idle well was mapped approximately 0.65 miles from the subject property. This information was also verified in the EDR Report (Appendix C). However, the report from CalGEM for the well identifies the well as 0.37 miles away and it is noted as capped.

6.3.9 National Pipeline Mapping System

Dudek searched the National Pipeline Mapping System online database, which provides data related to gas transmission and hazardous liquid pipelines, liquefied natural gas plants, and breakout tanks under the Department of Transportation Pipeline and Hazardous Material Safety Administration jurisdiction (NPMS 2022).

No pipelines were identified on the subject property. One pipeline was mapped near the subject property. An active natural gas transmission pipeline, operated by the San Diego Gas and Electric Company, is located 0.25 miles south-southeast of the subject property along San Marcos Boulevard. No accidents or incidents were reported within 1 mile of the subject property.

7 Site Reconnaissance

A site reconnaissance was conducted on October 28, 2022, by Nicole Tucker of Dudek. The site reconnaissance consisted of walking the subject property, taking notes on observations, and taking photographs. Photographs are presented in Appendix E.

7.1 Description of Subject Property and Surroundings

The subject property consists of an 11.95-acre irregularly shaped parcel of land. Access to the subject property is from the eastern side of Linda Vista Drive on the southeastern side of the subject property (Photograph 1). The subject property was surrounded by a chain-link fence. At the time of the site reconnaissance, the subject property was approximately 50% covered in broken pavement and cement from prior development, while the remainder of the subject property was dirt with some sparse vegetation (Photographs 2 and 3). A creek runs through the center of the subject property, entering from underneath Grand Avenue (Photograph 4) at the center of the northern boundary running south-southwest then turning towards the east and exiting out the middle western corner of the subject property. Along the banks of the creek were irrigation lines, with irrigation controls on the west side of the creek where the creek enters the subject property (Photograph 6). A few drainage swales were observed with storm drain inlets near the creek and in an old parking lot east of the creek along Grand Avenue (Photograph 7).

Old building pads were present primarily in the eastern and southern side of the subject property. A bridge across the stream was observed in the western corner of the subject (Photograph 8). Three billboards are located along the northern side of the subject property along Grand Avenue (Photograph 9). Powerlines were present along the sidewalk to the north between the subject property and Grand Avenue (Photograph 10). Subsurface utility boxes were observed in the right-of-way between the subject property and Linda Vista Drive.

As observed during the site reconnaissance, the subject property is bordered by the following:

- To the north by Grand Avenue and California State Route 78 followed by the boundary street Furniture Row and commercial properties.
- To the east by the intersection of Linda Vista Drive and Grand Avenue and a parking lot for a Costco retail store (Photograph 11).
- To the south-southeast by Linda Vista Drive followed by a vacant lot, a metal fabrication business, a stone and cabinet store (Photograph 12), and an agricultural supply store.
- To the west by an auto repair shop (Photograph 13), a parking lot for an electronics company, and a landscaping company (Photograph 14).

Primary areas of interest noted during the site reconnaissance are described in Section 7.2.

7.2 Summary of Observations

Potable Water Supply or Source

No potable water supply or wells were observed on the subject property. A few of the building pads had broken pipes and lines in a few places (Photograph 15) indicating water utilities used to connect to the building pads in the past. Irrigation lines were also observed along the creek.

Sewage Disposal System

Two sewer manholes were observed—one located just north of the bridge and the second approximately 150 feet north of the bridge.

Wetlands and Natural Waterways

Las Posas Creek enters the site from under Grand Avenue. The creek and banks were well vegetated with some trees on the western end of the creek. At the time of the site reconnaissance, the creek contained flowing water that was flowing in a westerly direction and continued beyond the subject property between the two western adjoining properties.

Surface Water Discharge

Surface water is conveyed through the creek and off the subject property to the west. Three swales in the vicinity of the creek collect in storm drain vaults near the creek. Surface runoff in the northwest corner of the subject property would run southwest to a storm drain outside the subject property. The storm drain is located on the northeast corner of the adjoining parking lot of the electronics building to the west (Photograph 16). Another stormwater drain is located just south of Grand Avenue in a former parking lot east of the creek. Surface runoff near the southern border of the subject property would flow towards Linda Vista Drive (Photograph 17).

Distressed Vegetation

No distressed vegetation was observed on the subject property.

Indications of Solid Debris Storage

A pile of bricks was observed on the northwest side of the creek and a pile of wood panels and broken concrete was observed in the eastern corner of the subject property. Four pallets of concrete building materials were near a second entrance further west on Linda Vista Drive (Photograph 18).

Hazardous Material and Petroleum Product Use and Storage

No hazardous material or petroleum products were observed on the subject property.

Unnaturally Discolored Ponds or Flowing Waters

The water in the creek was murky and slightly gray; however, odors were not present. No unnaturally discolored pools or flowing water were observed on other parts of the subject property.

Groundwater Wells, Cisterns, Cesspools, or Septic Tanks

No groundwater wells, cisterns, cesspools, or septic tanks were observed on the subject property.

Polychlorinated Biphenyl-Containing Items

Transformers were not observed on the subject property during the site reconnaissance. Transformers were mounted on some of the power line poles on the northern border of the subject property; no staining was observed. No other evidence of polychlorinated biphenyl-containing items, such as hydraulic equipment, was observed during the site reconnaissance.

Sumps or Ponds

No sumps or ponds were observed on the subject property.

Abnormal Odor

No abnormal odors were noted on the subject property.

Surface Staining, Corrosion, and Soil Disturbances

No staining or soil disturbances were observed during the site reconnaissance.

Tanks, Drums, Totes, and Intermediate Bulk Containers

No storage tanks, drums, totes, or other bulk containers were observed on the subject property.

Agricultural Use

No evidence of agricultural use was observed.

Off-Site Sources

There was no evidence of releases or other off-site sources of contamination that might have impacted the environmental condition of the subject property.

Fill Material

Fill material was likely used to make the grade even on the subject property. No source of fill or recent fill could be identified during the site reconnaissance.

Unidentified Substance Containers

No unidentified substance containers were observed on the subject property.

Pipelines

No hazardous material pipelines were observed on the subject property.

8 Site History

Based on a review of the historical aerial photographs, historical topographic maps, agency records, and the city directory report, the subject property was primarily used for commercial and industrial purposes. The subject property and much of the surrounding area appear to have been undeveloped until at least 1953. By 1964, the subject property was partially developed with several commercial/industrial buildings. Las Posas Creek, which transects the subject property, was improved by 1970, and several more industrial buildings were constructed, including the concrete and metal industrial buildings on the northwestern corner of the subject property. By 1979, the eastern corner of the subject property was developed and by the mid-1980s the subject property was mostly developed or paved with the exception of a small area east of the creek in the center of the subject property. Businesses included construction and hardware suppliers, auto repair shops, a car dealership, and concrete and metals manufacturers. By 2011, most of the buildings were removed with the exception of the construction company building in the southern portion of the subject property, which was demolished in 2013. The creek was widened and improved with a bridge constructed across it in 2019.

The adjoining properties were also historically used for primarily commercial/industrial purposes. The adjoining properties remained undeveloped, aside from Grand Avenue along the northern boundary of the subject property prior to 1946. In 1946, the northeastern and southern adjoining properties were developed with small airfields. By 1964, a few small commercial/industrial buildings were constructed on the western adjoining properties. California State Route 78 was constructed between 1953 and 1964 on the northern side of Grand Avenue, adjoining the subject property. By the late 1970s, more of the northern and southern adjoining properties were developed for commercial/industrial purposes and the airfields were no longer present. By the late 1980s, all adjoining properties were developed aside from the vacant lot on the eastern end of the southern boundary. The lot has remained undeveloped except for a portion developed as a parking lot in the early 2000s.

8.1 Historical Aerial Photographs

Dudek reviewed historical aerial photographs obtained from EDR for 1939, 1946, 1953, 1964, 1967, 1970, 1979, 1985, 1989, 1990, 1994, 1996, 2002, 2005, 2009, 2012, and 2016 (Appendix F). Dudek also reviewed aerial photographs from Google Earth for 2021 (Google Earth 2022). The photographs provided background information to assess the possibility of past activities that could present environmental concerns. The aerial photographs are described in Table 2.

Table 2. Summary of Aerial Photographs

Date	Subject Property	Adjoining and Surrounding Properties
1939	The subject property appears to be primarily undeveloped with most of the area cleared of vegetation. An east southeast–west southwest-trending road (present-day Grand Avenue) is parallel to the northern boundary of the subject property. A creek bed runs through the middle of the subject property from the middle of the northern boundary through the southwestern boundary.	The adjoining properties are observed to be mostly undeveloped land with some of the vegetation cleared. Evidence of agricultural use is not discernable. A small area to the northeast appears to be developed for residential use. In general, the remaining adjoining and surrounding properties appear to be partly cleared of vegetation and used for rural residential purposes.

Table 2. Summary of Aerial Photographs

Date	Subject Property	Adjoining and Surrounding Properties
1946	The subject property is mostly covered in vegetation since the 1939 aerial photograph.	A structure and several small planes are observed on the adjoining property to the south-southeast. A cleared runway path is west of the structure. The residential property observed to the northeast of the subject property appears to be further developed, with a large, cleared area and a long barn-like structure. Additional residential properties are observed to the east and southeast.
1953	The subject property appears to be similar to the 1946 aerial photograph.	A development of approximately 16 small structures is observed southeast of the subject property along present-day Grand Avenue. Additional development is observed south of the airfield, south of the subject property.
1964	The subject property has been developed with one larger structure in the southern corner on a dirt lot with vehicles and other miscellaneous items, three smaller structures on the eastern side, and five larger buildings on the north and northwest side of the subject property with other vehicles/trailer and miscellaneous items.	Three structures on two dirt lots are observed on the adjoining property immediately south of the subject property. Vehicles, trailers, and other miscellaneous items are on the lots. Another cleared lot with two buildings is observed on the northeastern adjoining property. An unimproved road (present-day Linda Vista Drive) runs parallel to the southeastern boundary of the subject property. A four-lane highway, California State Route 78, is observed parallel to Grand Avenue. Seven small planes, a cleared runway, and a set of 15 long structures appear in the vicinity of the residential structures northeast of the subject property. Two small structures are observed on the southern adjoining property. The residential structure south of the subject property appears to have been expanded; vehicles and other items are present surround the building. Two square structures are observed south-southeast of the subject property. Another eight more residential buildings are observed farther south of the subject property.
1967	The subject property appears similar to the 1964 photograph. Trailers and vehicles that were in the northwestern corner appear to have been removed. Three more structures appear in the area just south of where the trailers were.	Adjoining and surrounding properties are generally similar to the 1964 photograph, though the airfield to the north no longer appears to be in use and no planes are present. Trailers and vehicles on the property to the northeast appear to have been removed. A larger commercial/industrial building is present next to the residential development east of the subject property.
1970	The creek bed on the subject property appears to have been improved. A cluster of approximately eight small structures are observed in the northwestern corner of the subject property. Areas around the commercial/industrial buildings in the northwest and southern corners of the subject property are observed to be paved.	A large building is observed on the southwestern-adjoining property. A cluster of smaller structures are observed southwest of the subject property. Linda Vista Drive appears to have been improved and another road perpendicular to Linda Vista Drive appears under development. Trucks are present surrounding the larger structure to the south-southeast of the subject property. A large warehouse-like building appears northeast of the former airfield north of the subject property. Two larger and one small commercial/industrial buildings are observed 1,000 feet northwest of the subject property.

Table 2. Summary of Aerial Photographs

Date	Subject Property	Adjoining and Surrounding Properties
1979	The eastern portion of the subject property has been filled in with commercial developments and associated parking. A long building has replaced the smaller building including a paved lot in the northern center of the subject property west of the creek bed.	Much of the adjoining and surrounding area is developed with commercial and industrial buildings interspersed with vacant, undeveloped properties. The northwestern adjoining property has vehicles and other equipment stored in addition to several structures. Two small warehouse buildings, three small buildings, and vehicles/equipment are present farther to the west. Three long buildings are observed on the adjoining property south of Linda Vista Drive.
1985	The western portion of the subject property appears to have been cleared and equipment is stored in the area. The area south of the bend in the stream bed appears to have been cleared and partially paved. Otherwise, the subject property is similar to the 1979 photograph.	The surrounding area has been filled in further with commercial and industrial buildings. North of the subject property and State Route 78 is another large industrial warehouse building and two small commercial buildings. Southwest of the subject property is another development of industrial/commercial buildings. An additional industrial building is present south of the subject property.
1989	The lot on the western side of the subject property has rows of equipment stored in the area. In the eastern corner of the subject property, several trailers/trucks appear to be stored in the lot. Otherwise, the subject property is similar to the 1985 photograph.	A large industrial building and parking lot are observed on the previously undeveloped lot adjoining the subject property to the west. The stream channel that exits the subject property to the west was channeled south of the new parking lot and building, crossing under and continuing across the street, Via Vera Cruz. Another industrial/commercial development appears off the northwest corner of the subject property. An additional commercial/industrial building is located north of the subject property. A junk yard appears to be near the trucking company south-southwest of the subject property.
1990	The trailers/trucks stored on the eastern most corner of the subject property have been removed. Otherwise, the subject property appears similar to the 1989 aerial photograph.	The adjoining properties and surrounding area appear similar to the 1989 aerial photograph. A few smaller commercial/industrial buildings are present in the areas between some of the previous structures.
1994	Trucks have reappeared on the eastern corner of the subject property. Otherwise, the subject property appears similar to the 1990 aerial photograph.	The adjoining properties and surrounding areas appear similar to the 1990 aerial photograph.
1996	The subject property appears similar to the 1994 aerial photograph.	An additional commercial/industrial structure appears 1300 feet north-northeast of the subject property. The remainder of the adjoining properties and surrounding area appear similar to the 1994 aerial photograph.
2002	The lot south of the bend in the stream has materials stored on the previously empty lot. Otherwise, the subject property appears similar to the 1996 aerial photograph.	Part of the undeveloped land southeast of the subject property, south of Linda Vista Drive and the lot with the trucking company has been cleared. The stream channel east of Via Vera Cruz has been rerouted to follow the southern edge of the lot. The lot east-southeast of the subject property, along S Bent Ave, has an office building and several smaller trailers/buildings.

Table 2. Summary of Aerial Photographs

Date	Subject Property	Adjoining and Surrounding Properties
2005	The subject property appears similar to the 2002 aerial photograph.	The cleared lot adjoining the subject property, near the intersection of Grand Ave and Linda Vista Dr, is paved for a large parking lot and a new, large warehouse store is on the southwestern end of that lot. An office building is being constructed south of the subject property.
2009	Part of the previously undeveloped land west of the creek has been cleared and paved. The lot south of the bend in the creek has been cleared of the materials stored there. Two of the buildings on the northwestern corner appear to have been removed. Otherwise, the subject property appears similar to the 2005 aerial photograph.	The previously undeveloped lot west of the subject property, on the western side of Via Vera Cruz appears to be entirely developed as a shopping center. An access ramp along Grand Ave for State Route 78 is observed 890 feet west-northwest of the subject property. Another office building has been built south of the subject property in a previously undeveloped lot.
2012	All of the buildings on the subject property, except for one in the southern corner, have been demolished. The subject property appears to be vacant and cleared of most equipment and materials.	The adjoining properties and surrounding areas appear similar to the 2009 aerial photograph.
2016	The building in the southern corner of the subject property appears to be demolished. Otherwise, the subject property is similar to the 2012 photograph.	The adjoining and surrounding areas are similar to the 2012 photograph. The paved lot west-northwest of the subject property on the corner of Grand Ave and Via Vera Cruz is observed to have a fast-food restaurant. Two large apartment/condo complexes and one in development are present north of the subject property.
2021	The subject property appears to have become overgrown and the pavement and concrete appears broken. The stream bed appears to be wider, and a bridge appears over the stream on the western side of the subject property.	The adjoining properties appears similar to the 2016 aerial photograph. Another apartment/condo complex was built and the other was finished north of the subject property.

Note: See Appendix F for corresponding photographs for 1936 through 2016. The 2021 Google Earth photo is available online and therefore is not included in Appendix F.

8.2 Historical Topographic Maps

Dudek reviewed historical topographic maps from 1893, 1901, 1947, 1948, 1949, 1968, 1983, 1996, 2012, 2015, and 2018 (Appendix B). The topographic maps are a historical source that can be used to document the prior use of the subject property and surrounding area. The topographic maps are described in Table 3.

Table 3. Summary of Topographic Maps

Date	Subject Property	Adjoining and Surrounding Properties
1893	The subject property is located within a valley, east of the town of San Marcos and within Los Vallecitos de San Marcos. A slight slope is depicted toward the south-southwest. No structures are depicted on the subject property.	The areas adjoining the subject property are undeveloped. Improved roadways are present in the surrounding area, as wells as single structures near the roadways. Streams are present east and south of the subject property. A railway is present approximately 0.25 miles to the north of the subject property.
1901	The subject property is similar to its appearance on the 1893 topographic map.	The areas adjoining the subject property remain undeveloped. A road is observed north of the subject property starting at Grand Ave and continuing to the north-northeast. Two roads run between Grand Ave and San Marcos Blvd, one approximately 400 feet east and the other 400 feet west of the subject property. A structure is depicted 0.25 miles west-northwest south of Grand Ave. Another structure is depicted over 0.25 miles east of the subject property, north of Grand Ave.
1947	The subject property is depicted with a stream crossing through the western center of the subject property.	The areas adjoining the subject property remain undeveloped. Woodlands are depicted to the north of the subject property, adjoining to the subject property, north of Grand Ave. None of the structures depicted within the 0.5-mile radius of the subject property are present. A new structure is depicted 1,000 feet west-northwest of the subject property. The town of San Marcos is depicted east of the subject property. A school and at least a dozen more structures are depicted 0.5 miles west of the subject property around San Marcos Blvd. San Marcos Blvd is depicted as secondary highway. A primary highway is depicted roughly parallel with the railroad 0.5 miles north of the subject property. Orchards are depicted approximately 0.66 miles south of the subject property along San Marcos Creek.
1948	The stream is no longer depicted on the subject property.	The areas adjoining the subject property remain undeveloped. Grand Avenue adjoining to the subject property to the north is now depicted as a secondary highway. San Marcos Valley Airport is depicted northeast of the subject property with a long structure 0.25 miles away from the subject property. McCormick Airfield is 0.25 miles south of the subject property with a triangular shape to the airstrip and a structure on the eastern end. A structure is depicted south of the airfield, opposite Encinitas Road (San Marcos Blvd). The town of San Marcos has more buildings to the east. The orchards directly south are no longer present.
1949	The subject property is similar to its appearance on the 1948 topographic map.	The adjoining and surrounding area appear similar to the 1948 topographic map.
1968	The subject property has a total of five structures now. One larger and two smaller ones are in the northwestern portion of the subject	One small structure is depicted on the southwestern adjoining property. Two small structures are depicted on the northwestern adjoining property. A road now runs along the southeastern boundary. Neither of the airfields are depicted

Table 3. Summary of Topographic Maps

Date	Subject Property	Adjoining and Surrounding Properties
	property. One small structure is near the center along the location the stream was previously depicted. A larger structure is in the southernmost corner of the subject property.	on the nearby surrounding properties but the structures associated with them remain. California State Route 78 runs along Grand Ave to the north of the subject property. Approximately 0.25 miles west-northwest of the subject property is a cluster of a dozen smaller structures. Approximately 0.25 to 0.5 miles to the southeast are two larger structures and eight smaller structures. Over 0.25 miles south of the subject property along Encinitas Rd are 12 small structures and one large structure. The orchards to the south are no longer depicted. A trailer park, golf course, residential development, and San Marcos reservoir are depicted to the southwest. The town of San Marcos has expanded with more residential and commercial/industrial structures. Palomar College is depicted 0.75 miles to the north.
1983	One small and two longer structures are depicted on the eastern section of the subject property. Two larger buildings are depicted near the center on either side of the previously depicted stream channel. Seven smaller structures are depicted in the northwestern corner of the subject property.	The adjoining properties and surrounding 0.5 miles around the subject property have been developed with many commercial/industrial buildings. The adjoining property northwest of the subject property has two new larger buildings and three small buildings. A larger building is depicted on the adjoining southwestern corner, and three more just south of the road adjoining the southern boundary. North of the subject property and California State Route 78 are four warehouse sized structures and several large commercial/industrial structures.
1996	Individual structures are no longer depicted on the subject property. It is shaded as developed.	Most of the individual structures are no longer depicted in the adjoining and surrounding properties. Over 0.5 miles north, west, and southwest of the subject property are depicted as developed with one new warehouse sized building north of Route 78. Less than 0.5 miles south and west of the subject property are depicted as developed. Two larger structures are depicted on the western base of the hill east-northeast of the subject property. San Marcos Rd is now labelled as San Marcos Blvd to the south.
2012	Nothing is depicted on the subject property.	No individual structures or developed area are depicted on the map. Only roads, highways, locations, and physical features are depicted on the map. A new on/off ramp is depicted along State Route 78, 0.25 miles northwest of the subject property. The Twin Oaks Valley community is depicted a mile to the west-southwest of the subject property.
2015	The subject property appears similar to the 2012 topographic map.	A school is depicted 0.25 miles south-southwest of the subject property. The remaining adjoining and surrounding area are similar to the 2012 topographic map.
2018	The subject property appears similar to the 2015 topographic map.	A small wetland area is depicted on the adjoining property south-southeast of the subject property. More wetlands are depicted 0.25 to 0.5 miles west of the subject property and 0.5 miles south, north of San Marcos Creek.

Note: See Appendix B for corresponding maps.

8.3 Fire Insurance Maps

Historical Sanborn fire insurance maps were requested from EDR. Sanborn maps provide information regarding the historical uses of the subject property and surrounding properties. Sanborn maps typically exist for cities with populations of 2,000 or more; the coverage is dependent on the location of the subject site within the city limits. The Sanborn Map Report lists the subject property as an unmapped property; no additional information was included in the report. The Sanborn Map Report is provided in Appendix G.

8.4 City Directory

City directory listings were requested from EDR (Appendix H). Table 4 details the findings of the city directory abstract. The subject property has multiple addresses on both Grand Avenue and Linda Vista Drive. Findings for the subject property and for adjoining property addresses are summarized in Table 4.

Table 4. Summary of City Directory Listings

Address	Date	Listings
Subject Property		
1010 Linda Vista Dr	1971–1975	Metro Equipment
	1979–1982	Case Power and Equipment
	1986–1995	Construction company (Astleford Construction Inc, William Kirchnavy Construction)
	2000	Astleford Construction Inc, Phoenix Motorcycle Accessories
	2005	Astleford Construction Inc, Ranlin Construction
	2010	Amd Mortgage Svc Inc., Sky Valley Financial Inc
930 Linda Vista Dr	1992–2005	Alpine Mini Storage
931 Grand Ave	1975–1982	Fraley's Auto Clinic
	1986	Coast Tire & Automotive, San Marcos Vehicle Sales
	1992–2010	Auto Tune, Southwest RV (1992), Automotive Outlet (1995), Hertz Penske Truck Rental (1995), Allstar Auto (2000), Smog Check Stations San Marcos (2000), Mission Auto Sales (2005–2010)
939 Grand Ave	2005–2010	San Marcos Chamber of Commerce, Valley Of Discovery Education Fnd (2005)
961 Grand Ave	1971–2017	Star Plywood Lumber/Star Builders Supply, Ace Hardware (2000–2017)
983 Grand Ave	1979	Piano Organ Warehouse
	1986	Paint City, Wallpaper Salon
	1992–2010	Antique Village Mall
1003 Grand Ave	1975	White Stan Auto Repair
	1979–1986	Apex Import GRG
	2010	Newest Sheet Metal

Table 4. Summary of City Directory Listings

Address	Date	Listings
1025 Grand Ave	1971–1975	Formacel, Leslie Mfg Corp, Plexalswitch
	1979–1982	Leslie Mfg Corp
	1995	Pacific Rim Equipment
	2000	Jerry's Equipment
1031-1039 Grand Ave	1971	Residential, Flyn T Plumbing
	1975	Esau Supply, residential
	1979	San Marcos Tire, Harrisons Auto
	1982–1995	VW Paradise, Buff N Stuff (1992)
	2000	K & K Transmission Incorporated
	2005	Dr Trans, Global Transmissions
1041-1049 Grand Ave	1971	Voler Products Inc, Art Kraft Aluminum, residential
	1975	residential
	1979	American Indus SVC, Cabanco Products, Rudy's Radiator Shop
	1982	Reborn Auto Body/Classic Motors, Arambulas Pnt & Body, Rupes Jack Rpr Service, Korte Iron Works
	1986–1992	May Co Auto Body & Pnt, Tire Mart, Window Awnings, Korte Iron Works, Franks Auto (1992)
	2000	Qualair Compressor Company, Franks Auto, Computer Edge Automotive
	2005	Qualair Compressor Company
	2010	San Marcos Polishing
	2014–2017	Qualair Compressor Company, California Compressor Company
1051-1057 Grand Ave	1971	Gibbs Trailer, Fraley's Auto Clinic, Curby Bit Co., Tri City Glass
	1975	Kleen Sweep of SD, Amer. Fence Company, R&O Engineering, Bike Sanctuary
	1979	Bike Sanctuary, Poes Auto Service
	1982	Grand Auto Body, Rudy's Radiator Shop
	1986–1995	CA Custom Upholstery (1986), Rudy's Radiator Shop, Acme Auto & Truck (1995)
Adjoining to the West		
1075 Grand Ave	1979–2017	American Fence Company, American Red Cross Vehicle Donation Program (2000)
237 Via Vera Cruz	This address was not included as part of the city directory address search performed by EDR. The current use for the site is an electronics manufacturer based on an online search.	
1030 Linda Vista Dr	2010–2014	residential

Table 4. Summary of City Directory Listings

Address	Date	Listings
1020 Linda Vista Dr	1971–1975	Equipment rental and construction company
	1979–1986	Trucking company, construction, tractor company, auto parts manufacturer
	1992–1995	Industrial light supply
	2005	Metal fabrication
	2010	Construction supply
	2014–2017	Auto repair, metal fabrication, fumigation services
Adjoining to the North		
1050 Los Vallecitos Blvd	Addresses were not included as part of the city directory address search performed by EDR. The current use of the properties is for motorcycle and furniture retail, based on observations from the site reconnaissance.	
1040 Los Vallecitos Blvd		
970 Los Vallecitos Blvd		
960 Los Vallecitos Blvd		
900 Los Vallecitos Blvd		
Adjoining to the East		
150 Bent Ave	This address was not included as part of the city directory address search performed by EDR. The current use is for a commercial warehouse store, based on observations from the site reconnaissance.	
Adjoining to the South		
1015 Linda Vista Dr	1975–1986	Commercial/irrigation supply, warehouse, metal finishing
	1992–1995	Engine, agricultural, and irrigation supplier
	2000–2017	Engine parts supplier, construction companies
985 Linda Vista Dr	1992–2000	Manufacturing
	2005	Industrial supply
	2017	Commercial retail
977 Linda Vista Dr	1979	Storage
	1982–2017	Metal fabrication
969 Linda Vista Dr	1979	Commercial supply
	1982	Limousine services
	1986	Chemical supply, repair shop
	1995–2005	Retail and commercial

8.5 Title Information/Environmental Liens

As discussed in Section 6.2, the user is required to complete a search for environmental liens and activity use limitations to satisfy the requirements of the All Appropriate Inquiries Rule for CERCLA (Comprehensive Environmental Response, Compensation and Liability Act) liability protection. Information regarding environmental liens or activity use limitations was not provided by the user of this report.

9 Previous Environmental Site Assessments

Five documents were provided by the user of this report for previous ESAs performed on the subject property. These documents are provided in Appendix D.

A Subsurface Assessment from 2010, a Subsurface Site Assessment from 2016, and a DEHQ correspondence letter from 2016 (DEHQ 2016) were provided for the 1010 Linda Vista Drive site, which is located on the southern portion of the subject property. The reports document the findings of a soil and groundwater investigation and monitoring actions conducted to assess and characterize impacts of a former LUST. The 2016 assessment concludes that there is an area of petroleum hydrocarbon-bearing soil on the southern side of the creek and that groundwater is not impacted by petroleum hydrocarbons. However, the report recommends an additional two quarters of groundwater monitoring. The DEHQ correspondence letter concurs with the findings of the site assessment. Results of the additional monitoring are discussed in Section 6.3.5.

A DEHQ case closure letter (DEHQ 2012) was provided for the former Cribwall Company and Industrial Metal cleanup cases at 1023–1031 Grand Avenue. The closure letter from July 3, 2012, concurs with the environmental investigation reports for the property that the cleanup goals have been met. It states that the current use of the site is commercial and that changes to its land use may require reassessment.

A geotechnical report from 2021 for proposed redevelopment of the subject property was provided with a feasibility analysis and recommendations for redevelopment of the subject property. The conclusions were that redevelopment was feasible with removal of all pavements, slabs, and foundations and that fill on the subject property could be reused as engineered fill, as well as other geotechnical recommendations.

10 Vapor Encroachment

Dudek evaluated vapor encroachment to determine whether there is a potential for vapors originating from contaminated soil and/or groundwater to occur in the subsurface below the existing and potential future on-site structures. Information obtained from other sources (geologic and hydrogeological information, site reconnaissance, local regulatory agency responses), as discussed in this report, was also considered. The vapor encroachment condition (VEC) assessment was conducted in accordance with ASTM E2600-15 guidance (ASTM 2015). The EDR Radius Map Report (Appendix C) was used to evaluate listed contaminated sites as identified in federal, state, and local databases. A VEC assessment report is provided in Appendix I.

The Grand Channel Bridge Project/Astleford Construction Inc. site at 1010 Linda Vista Drive, on the southern end of the subject property, had contamination related to former LUSTs. Following assessment and monitoring, case closure was granted in 2017. An estimated 130 cubic yards of soil with concentrations of diesel exceeding the regulatory screening level in the top 5 feet (SCS 2016) were left in place on the northern portion of the site (bordering the creek). As such, a VEC cannot be ruled out.

11 Non-ASTM Considerations

This section discusses non-ASTM scope considerations that were included in this Phase I ESA based on the conditions at the subject property. These items are not required to be evaluated per the ASTM Standard but may still pose environmental health and safety risks.

Asbestos

Asbestos has been specifically designated a hazardous substance pursuant to CERCLA Section 102, but abatement costs are generally not recoverable under CERCLA. Many building materials commonly contained asbestos until the late 1970s, and a smaller list of building materials contained asbestos in the 1980s, such as drywall, joint compounds, vinyl flooring, roofing, asbestos-cement products, and stucco. Under the Toxic Substances Control Act, EPA banned the use of asbestos in many products, with partial bans occurring in 1989 and 1993. However, a full ban of asbestos products did not occur until 2019. Therefore, if a building was constructed prior to 1989, it is likely it contains asbestos. If it was constructed between 1989 and 2019, it is less likely asbestos is present, but there is still a chance that asbestos was used.

No structures are currently present on the subject property; therefore, asbestos-containing building materials is not of concern for the subject property.

Lead-Based Paint

Paint manufacturers frequently used lead as a primary paint ingredient through the 1940s and gradually decreased its use in the 1950s and 1960s. The federal department of Housing and Urban Development estimates 30% of homes built in the United States before 1978 contain some lead-based paint. The Consumer Product Safety Commission prohibited the use of lead-based paints in residential buildings in 1978; however, the use of lead-based paints in commercial and industrial buildings is not prohibited.

Structures that previously occupied the subject property have been removed. Thus, it is unlikely that lead-based paint is a concern for the subject property.

Radon

Radon is a radioactive gas that is produced from the natural decay of uranium, radium, and thorium in soil, rock, and groundwater. When radon becomes trapped in buildings and concentrations accumulate, exposure to radon can be a concern.

The EDR report presents radon test results for the vicinity of the subject property. A total of five sites within San Diego County were evaluated. The radon concentration at these sites averaged 0.800 picocuries per liter (pCi/L) in the living area. The EPA radon zone for San Diego County is 3, which corresponds with average expected indoor radon levels < 2 pCi/L. The federal radon action level is 4 pCi/L.

12 Findings and Conclusions

Information gathered for this report indicated the following:

- The subject property was undeveloped until sometime after 1953; it was developed for commercial/industrial purposes by the early 1960s. Businesses that existed on the subject property included auto repair shops, construction companies, commercial and building retail, and concrete and metal manufacturers. All structures were removed by 2013.
- The subject property is currently vacant. Approximately 50% of the land covered by degrading pavement and concrete from the prior businesses.
- Properties adjoining the subject property previously included small airfields to the northeast and south and currently include industrial and commercial properties in all directions apart from the one vacant lot to the south-southeast.
- Two former LUST cases and two former cleanup program cases were identified on the subject property. The former LUST case on the eastern end of the subject property was granted regulatory closure in 1988. The former LUST case on the southern end of the subject property was granted regulatory closure in 2017; an area of impacted soil was left in place. The former cleanup program cases were neighboring businesses on the western portion of the subject property. Regulatory closure was granted for both cases in 2012 based on future commercial use of the subject property.

Dudek performed this Phase I ESA of the subject property in conformance with the scope and limitations of the ASTM E1527-21 Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process. This report summarizes the research and findings of the Phase I ESA. This assessment did not reveal evidence of RECs in connection with the subject property. However, historical and controlled RECs and a VEC were identified as described below. Data gaps, which were determined not to be significant, are discussed in Section 13, Limitations.

- The former LUST cases on the eastern and southern ends of the subject property are considered historical RECs as they were granted regulatory closure. However, an area of impacted soil, portions of which exceed regulatory screening levels for diesel, remains in place. As such, a VEC could not be ruled out for the subject property.
- The former cleanup cases on the western portion of the subject property are considered controlled RECs as they were granted regulatory closure based on future commercial use. The regulatory agency noted in the closure letter that a change in land use may require reassessment.

Dudek recommends preparation of a soil management plan prior to construction of the subject property. The soil management plan should describe the known former impacts at the subject property and detail management procedures should contamination and/or any features (e.g., former tanks) related to former chemical use be discovered during construction. In addition, if the subject property is planned for residential use, reassessment may be required for the western portion of the subject property as noted in the closure letter for 1031 Grand Avenue (APN 219-152-70) and 1023 Grand Avenue (APN 219-152-47). DEHQ would need to be notified of any planned residential use and they may request additional investigation.

13 Limitations

13.1 Data Gaps and Data Failures

As defined in ASTM E1527-21, a data failure is a failure to achieve the historical research objective required by the ASTM Standard even after reviewing the standard historical resources that are reasonably ascertainable and likely to be useful. A data failure is a type of data gap.

The following data failures were identified for this Phase I ESA:

- Historical resources were not available between 1953 and 1964, which is greater than the 5-year interval required by the ASTM Standard. This constitutes a data failure. While this is a data failure, based on the site history, available historical and regulatory information, and present-day use, Dudek has determined this data failure is not a data gap.

As defined in ASTM E1527-21, a data gap is the lack of or inability to obtain information required by this practice despite good faith efforts. A data gap is considered significant when it affects the ability of the environmental professional to identify recognized environmental conditions.

The following data gaps were identified for this Phase I ESA:

- Responses to the background questionnaire were not provided by the site owner, AOA San Marcos. This constitutes a data gap. Based on information obtained from historical sources, regulatory documents and the site reconnaissance conducted as part of this Phase I ESA, this data gap is considered not significant.
- Responses to the user questionnaire were not provided by the user of this report, AOA San Marcos. This constitutes a data gap. Based on information obtained from historical sources, regulatory documents and the site reconnaissance conducted as part of this Phase I ESA, this data gap is considered not significant. However, the lack of responses limits landowner liability protections as discussed in Section 6.2.

Should Dudek receive information following submission of this Phase I ESA report that completes one of these data gaps and changes the findings of the Phase I ESA report, Dudek will submit the findings to the user in an addendum.

13.2 Report Limitations

The findings and conclusions presented in this report are professional opinions based solely on the indicated data described in this report, as reflected in the discussion in this report of the visual observations of the subject property and vicinity and documentation reviewed and, based on the foregoing, our interpretation of this information and these documents. Dudek makes no warranty, guarantee, or representation, express or implied, as to statements made by others or information included in documentation reviewed or otherwise provided to Dudek, as described in this report. This report does not purport to identify or describe all potential contamination or other issues related to the environment respecting the subject property and/or the vicinity. Likewise, it is understood that it is possible that conditions or contamination exist at the subject property or in the vicinity that are not identified in this Phase I ESA.

No warranties or guarantees or representations, expressed or implied, are made by Dudek, except for the representation that this report has been prepared in accordance with the current generally accepted practices and standards consistent with the level of care and skill exercised under similar circumstances by other professionals performing the same or similar services in the same or similar geographical locality. This report, including its conclusions and/or recommendations, are intended exclusively and solely for the purpose outlined herein and for the client identified hereunder. This report may not be relied upon by any other person or entity without the express advance written consent of Dudek specifically identifying such person or entity. Dudek reserves the right to further condition any such third-party use based on matters it deems appropriate under the circumstances, in its sole discretion.

This report is subject to the conditions and restrictions and limitations described in ASTM E1527-21.

In accordance with Section 4.6.1 of ASTM E1527-21, this Phase I ESA is valid as a general matter for not longer than 180 days from the date of the first interview, first review of government records, or first visual inspection. If this Phase I ESA has been prepared for the purposes of a transaction, the report must have been completed no more than 180 days prior to the transaction date to be considered viable. Otherwise, the report must be updated or revised in accordance with ASTM E1527-21.

14 References

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Appendix A

Qualifications of Environmental Professionals

Environmental Professional	Professional License	Degree(s)	Years' Relevant Experience	Task Performed
Glenna McMahon	Professional Engineer, State of California Certified Environmental Manager, State of Nevada	B.S., Civil and Environmental Engineering, University of Vermont	22	Report Preparation/Review, QA/QC
Nicole Tucker		B.S., Physics, Shippensburg University M.S., Geoscience, Florida International University	5	Site Reconnaissance, Report Preparation

Appendix B
Historical Topographic Maps

Marcos Specific Plan
961 GRAND AVE
San Marcos, CA 92078

Inquiry Number: 7158032.4
October 24, 2022

EDR Historical Topo Map Report

with QuadMatch™

6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

EDR Historical Topo Map Report

10/24/22

Site Name:

Marcos Specific Plan
961 GRAND AVE
San Marcos, CA 92078
EDR Inquiry # 7158032.4

Client Name:

DUDEK
605 Third Street
Encinitas, CA 92024
Contact: Nicole Tucker

EDR Topographic Map Library has been searched by EDR and maps covering the target property location as provided by DUDEK were identified for the years listed below. EDR's Historical Topo Map Report is designed to assist professionals in evaluating potential liability on a target property resulting from past activities. EDRs Historical Topo Map Report includes a search of a collection of public and private color historical topographic maps, dating back to the late 1800s.

Search Results:

P.O.# NA

Project: 14763.06

Coordinates:

Latitude:	33.139998 33° 8' 24" North
Longitude:	-117.185751 -117° 11' 9" West
UTM Zone:	Zone 11 North
UTM X Meters:	482675.36
UTM Y Meters:	3666822.66
Elevation:	544.00' above sea level

Maps Provided:

2018	1947
2015	1901
2012	1893
1996	
1983	
1968	
1949	
1948	

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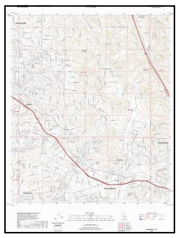
Topo Sheet Key

This EDR Topo Map Report is based upon the following USGS topographic map sheets.

2018 Source Sheets



San Marcos
2018
7.5-minute, 24000

Rancho Santa Fe
2018
7.5-minute, 24000

2015 Source Sheets

San Marcos
2015
7.5-minute, 24000

Rancho Santa Fe
2015
7.5-minute, 24000

2012 Source Sheets

San Marcos
2012
7.5-minute, 24000

Rancho Santa Fe
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1996 Source Sheets

Rancho Santa Fe
1996
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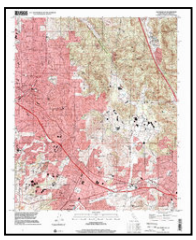
Aerial Photo Revised 1996



San Marcos
1996
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Aerial Photo Revised 1996

Topo Sheet Key

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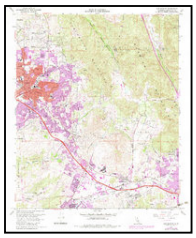

San Marcos
1983
7.5-minute, 24000
Aerial Photo Revised 1980

Rancho Santa Fe
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Aerial Photo Revised 1980

1968 Source Sheets

Rancho Santa Fe
1968
7.5-minute, 24000
Aerial Photo Revised 1967

San Marcos
1968
7.5-minute, 24000
Aerial Photo Revised 1967

1949 Source Sheets

San Marcos
1949
7.5-minute, 24000
Aerial Photo Revised 1946

Rancho Santa Fe
1949
7.5-minute, 24000
Aerial Photo Revised 1947

1948 Source Sheets

San Marcos
1948
7.5-minute, 24000
Aerial Photo Revised 1946

Rancho Santa Fe
1948
7.5-minute, 24000
Aerial Photo Revised 1947

Topo Sheet Key

This EDR Topo Map Report is based upon the following USGS topographic map sheets.

1947 Source Sheets

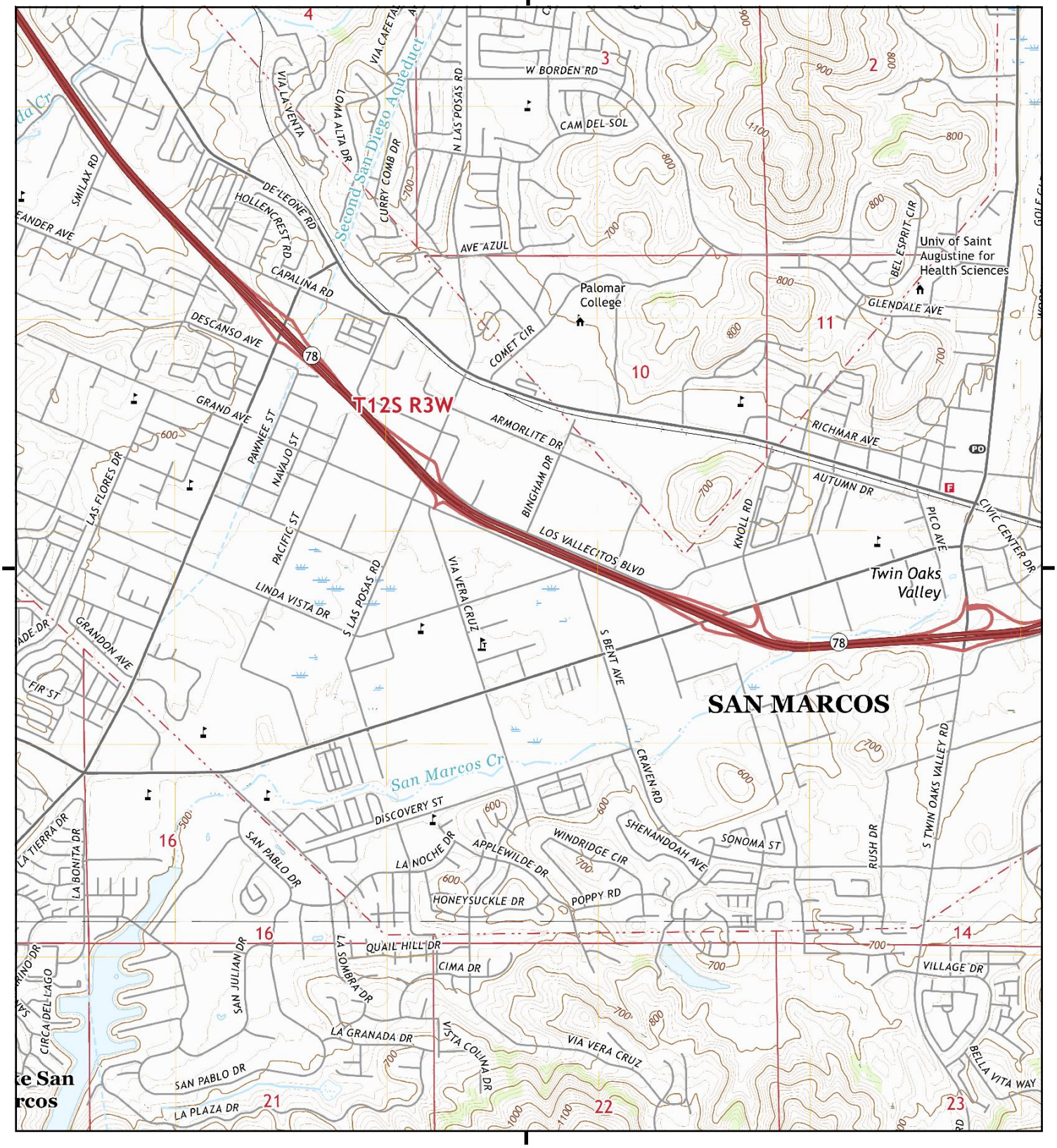
ESCONDIDO
1947
15-minute, 50000

1901 Source Sheets

Escondido
1901
15-minute, 62500

1893 Source Sheets

Escondido
1893
15-minute, 62500



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W E
SW S SE

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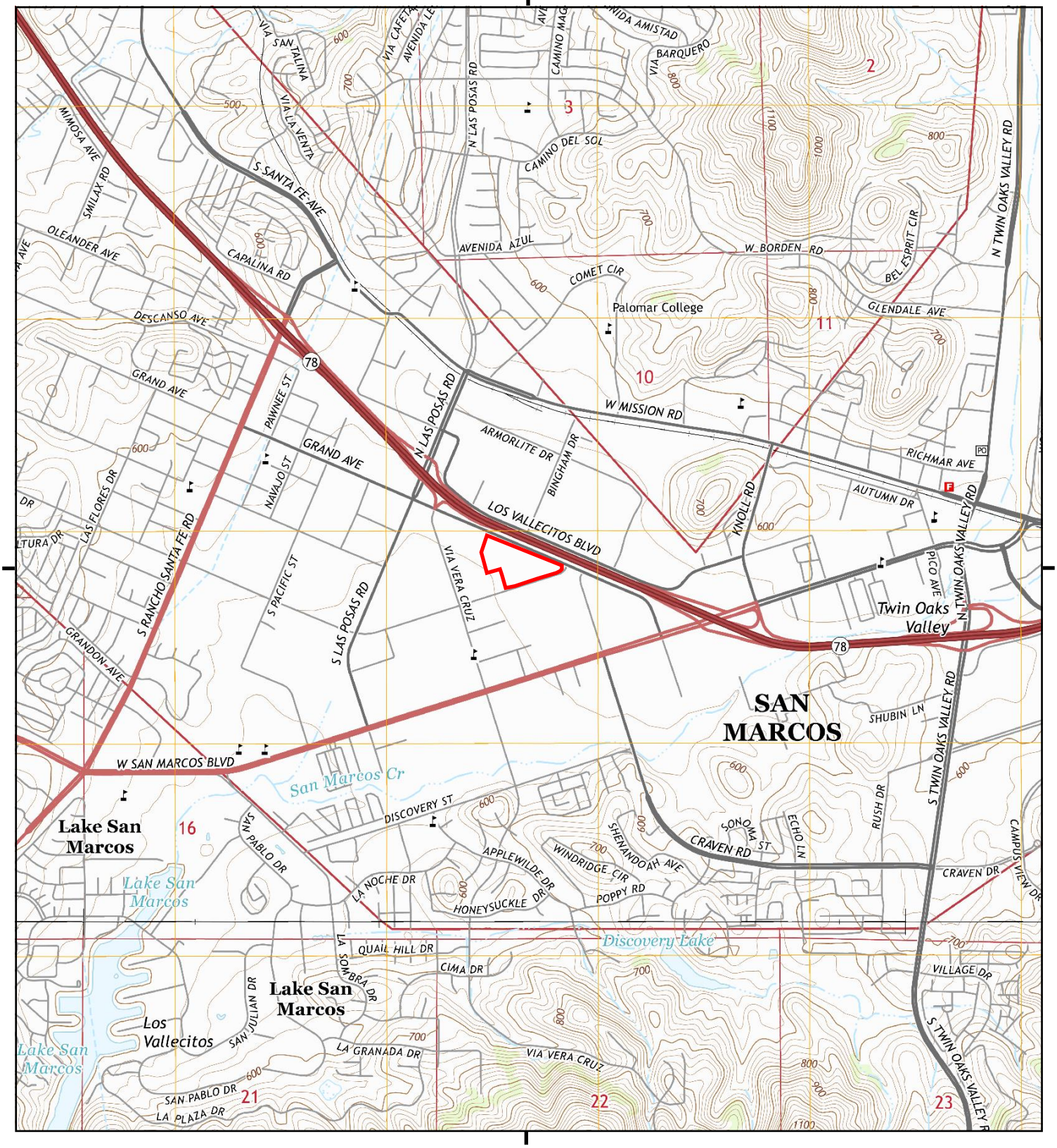
S, Rancho Santa Fe, 2018, 7.5-minute

SITE NAME: Marcos Specific Plan
ADDRESS: 961 GRAND AVE
San Marcos, CA 92078
CLIENT: DUDEK

N

Historical Topo Map

2015



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San Marcos, CA 92078
CLIENT: DUDEK

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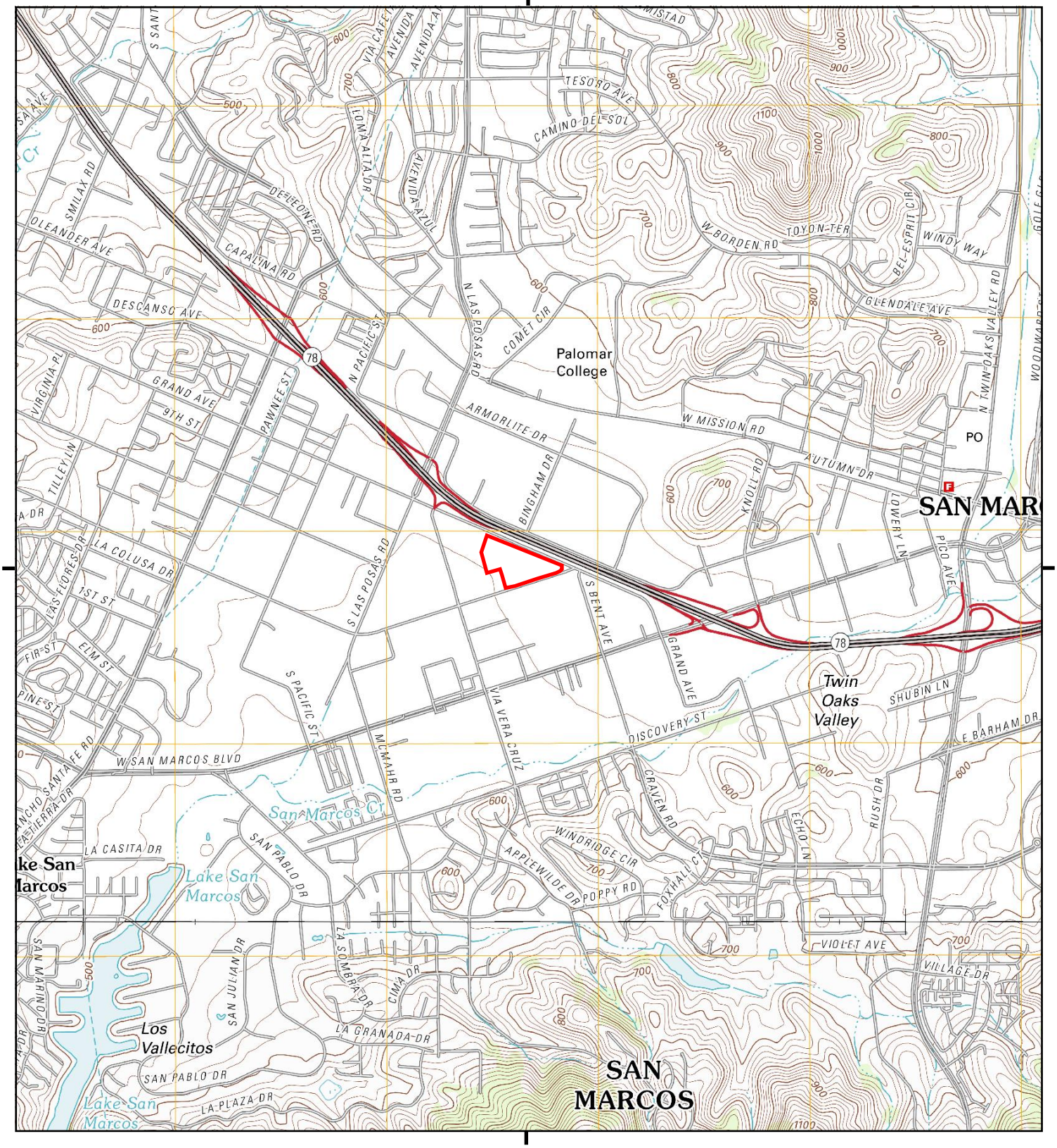

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San Marcos, CA 92078
CLIENT: DUDEK

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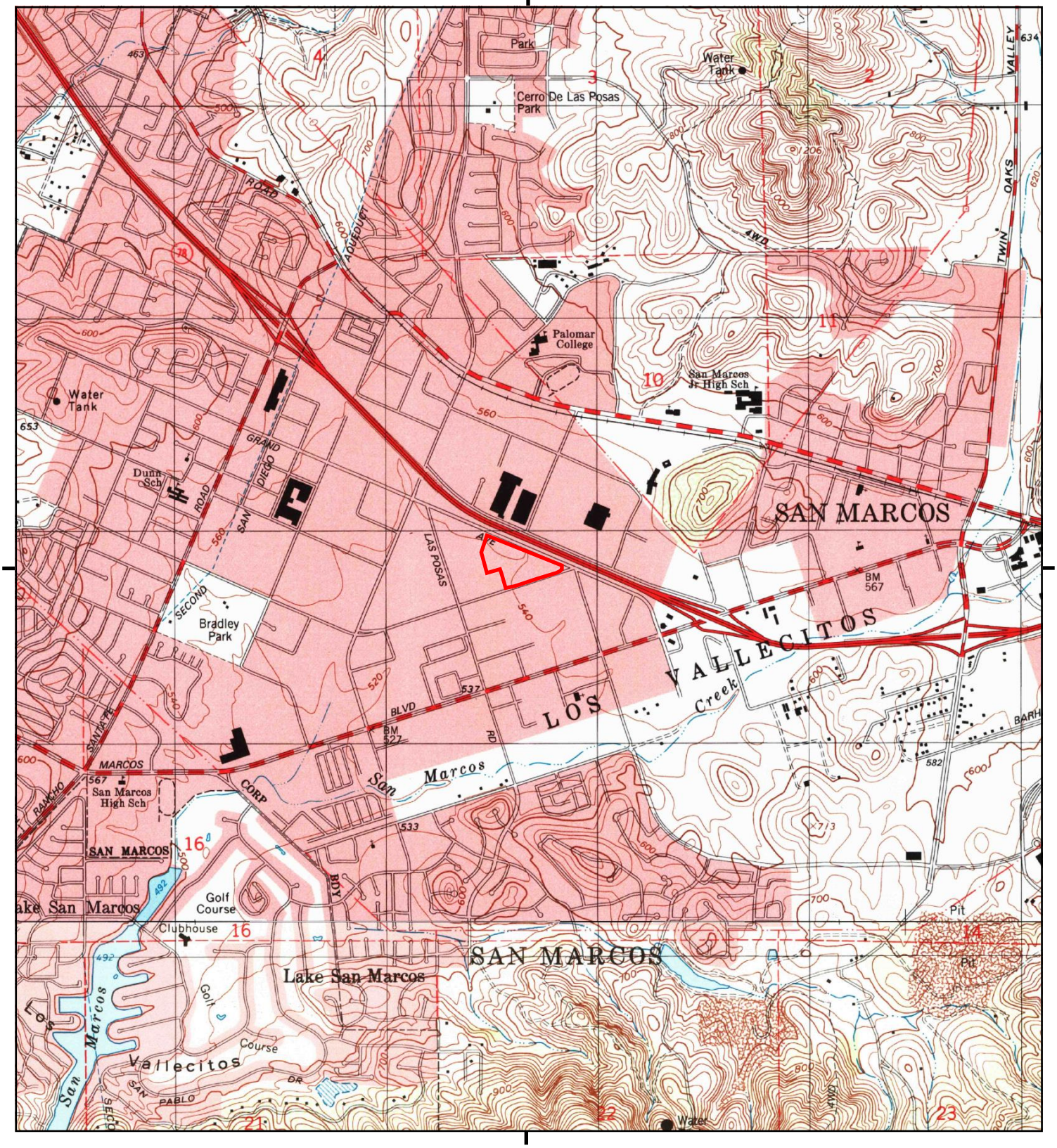
Historical Topo Map

1996



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SW S SE

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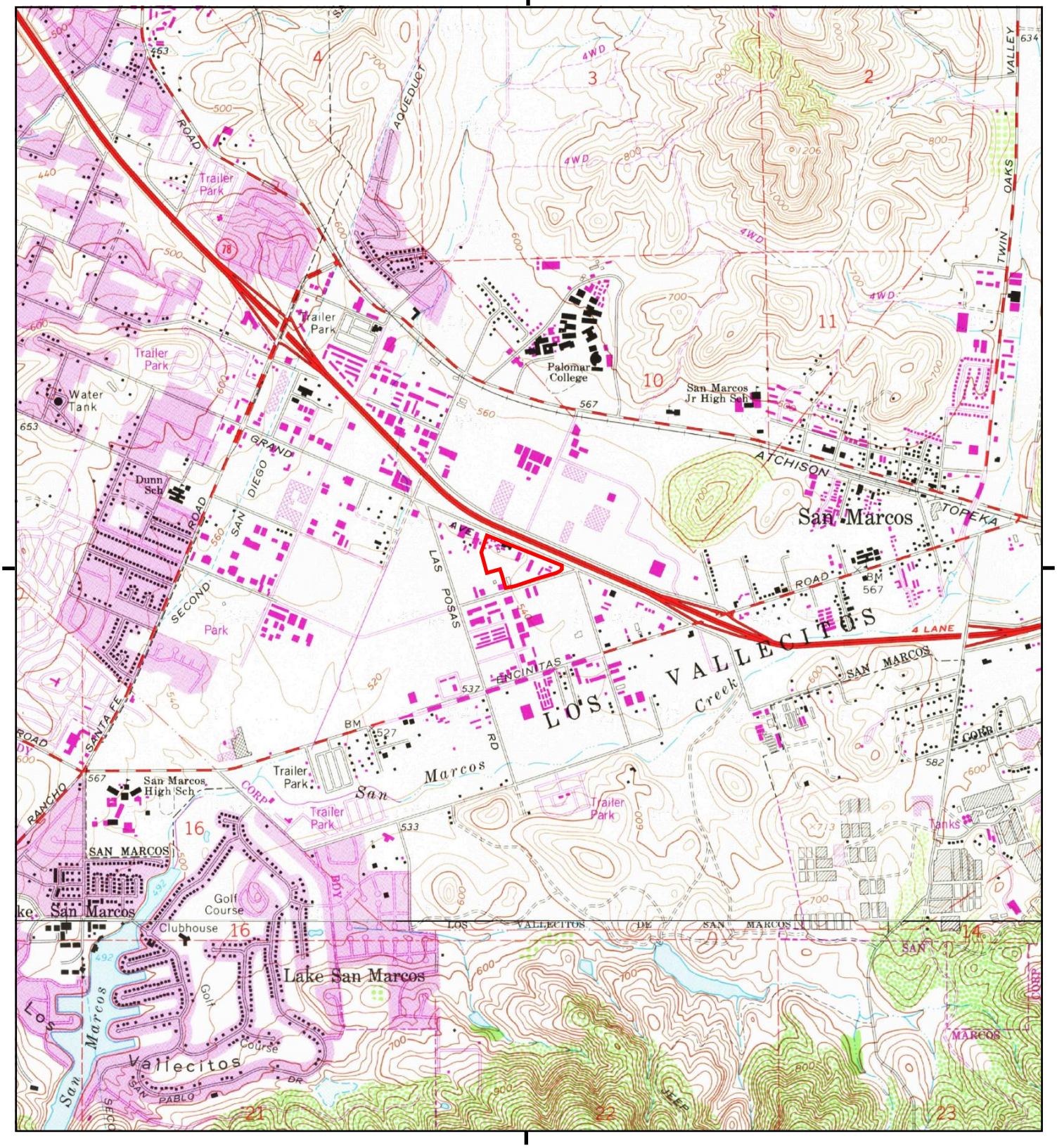
San Marcos, CA 92078
CLIENT: DUDEK

N



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W E
SW S SE

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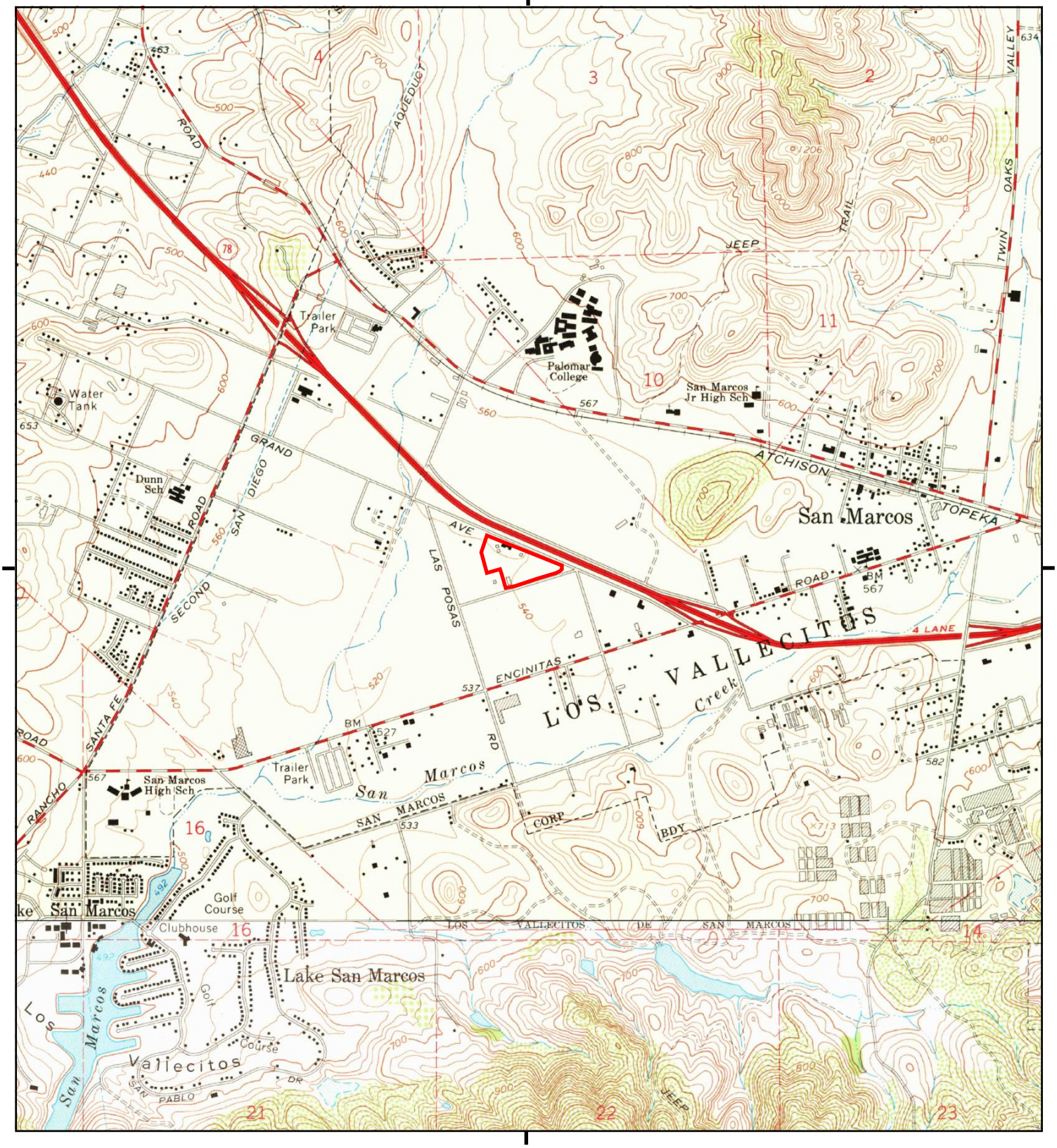
ADDRESS: 961 GRAND AVE
San Marcos, CA 92078
CLIENT: DUDEK

N



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W E
SW S SE

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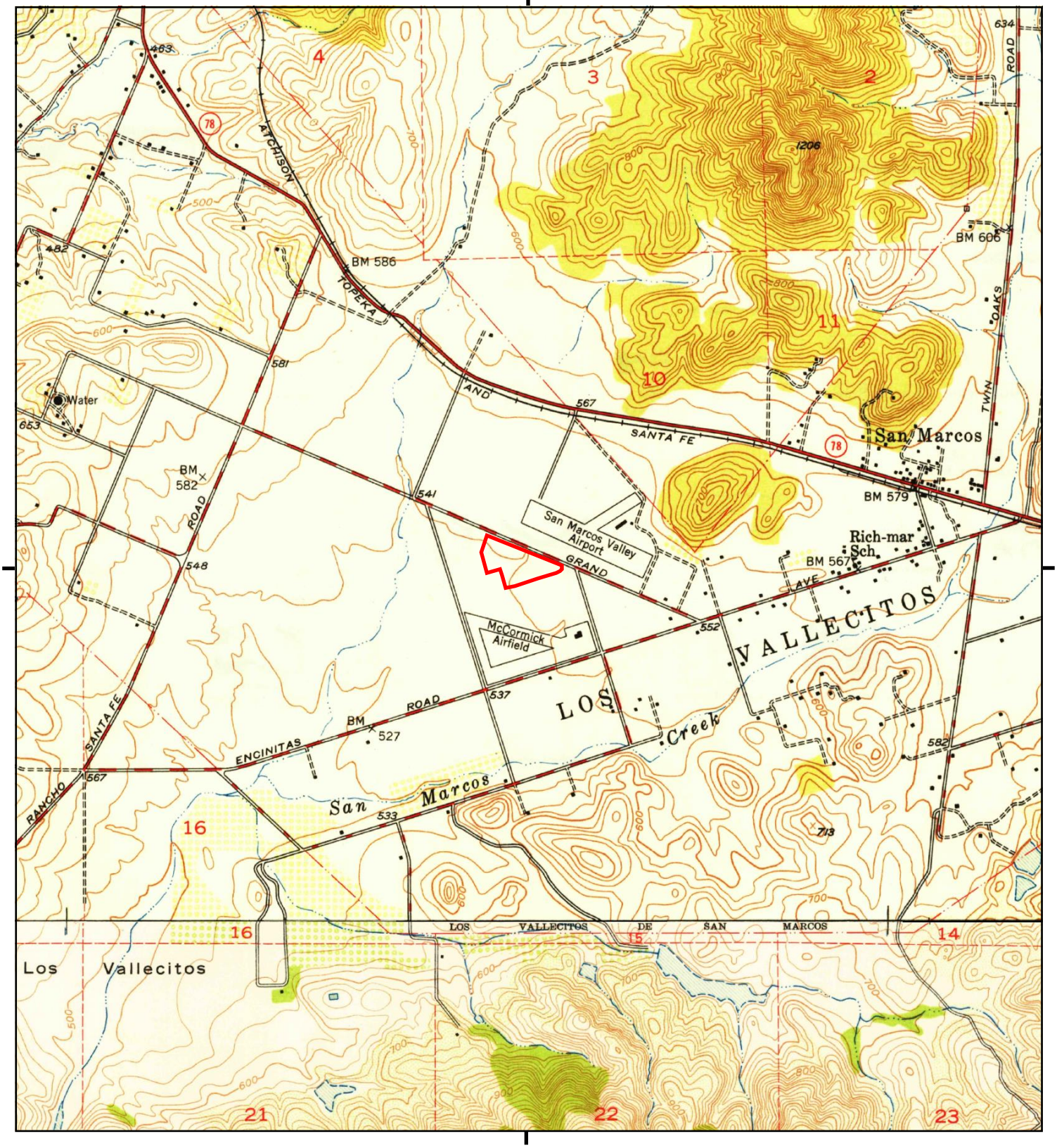
SITE NAME: Marcos Specific Plan
ADDRESS: 961 GRAND AVE
San Marcos, CA 92078
CLIENT: DUDEK

N



This report includes information from the following map sheet(s).

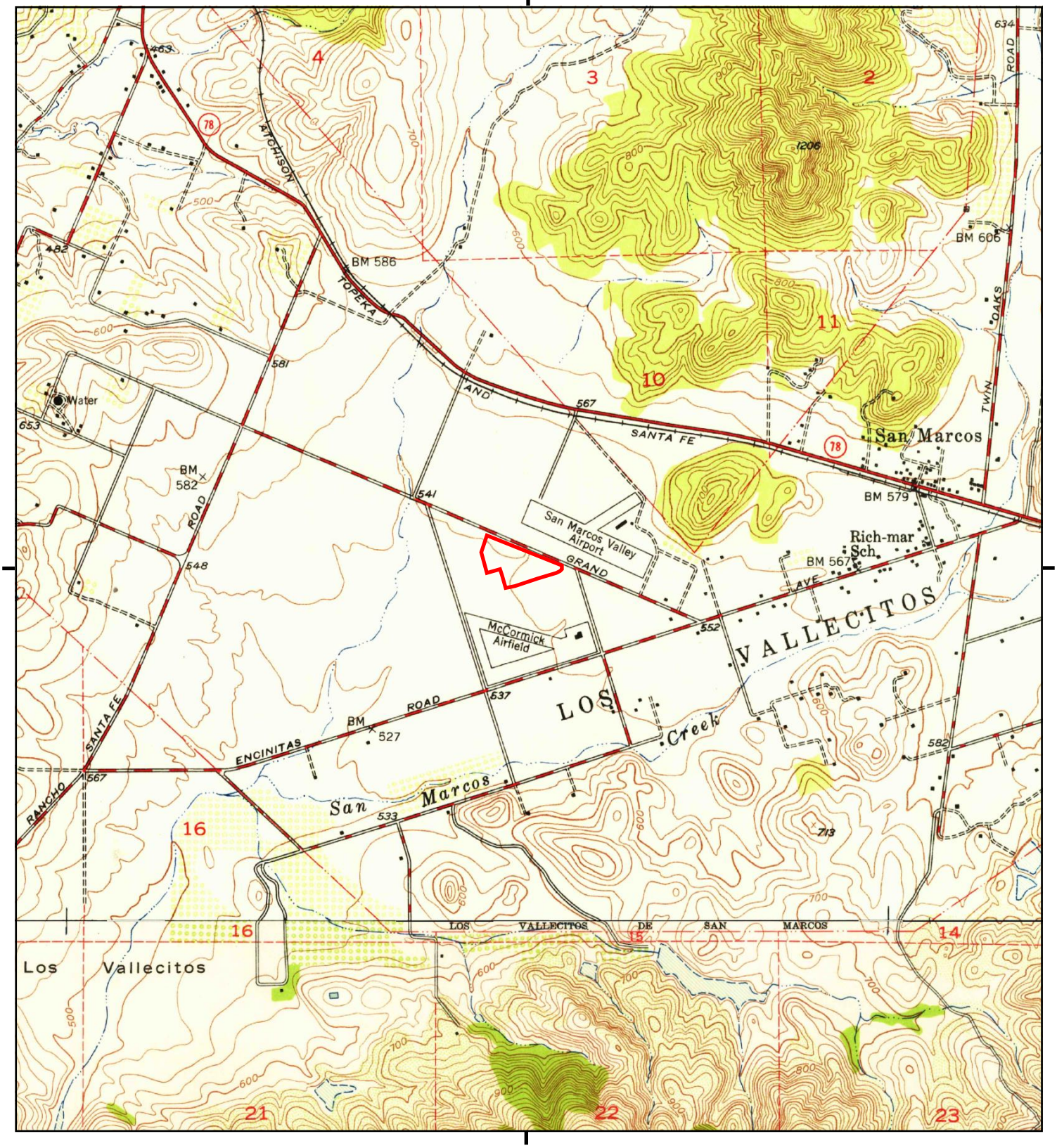
0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, San Marcos, 1949, 7.5-minute
S, Rancho Santa Fe, 1949, 7.5-minute

SITE NAME: Marcos Specific Plan
ADDRESS: 961 GRAND AVE
San Marcos, CA 92078
CLIENT: DUDEK

N



This report includes information from the following map sheet(s).

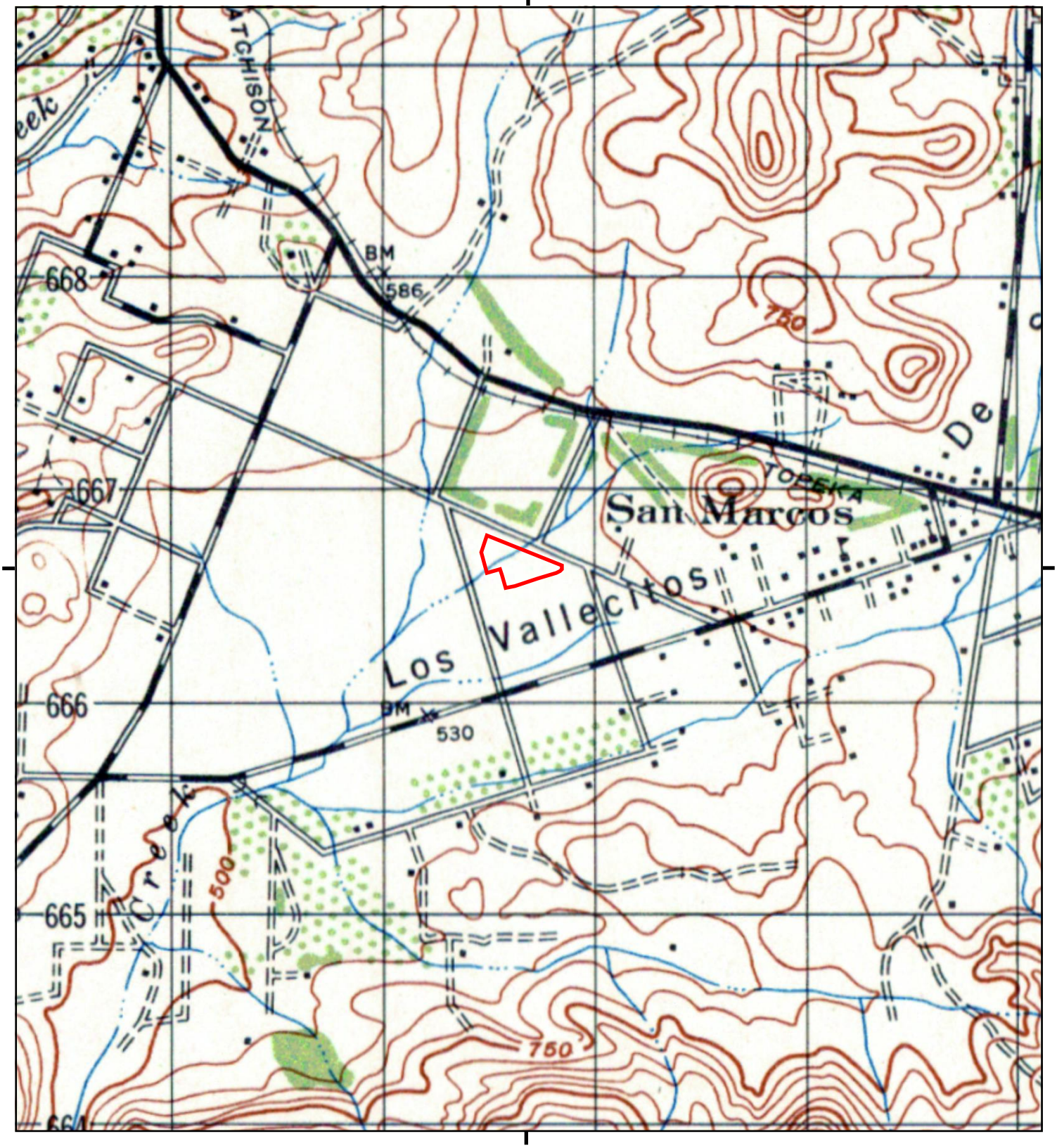
0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, San Marcos, 1948, 7.5-minute
S, Rancho Santa Fe, 1948, 7.5-minute

SITE NAME: Marcos Specific Plan
ADDRESS: 961 GRAND AVE
San Marcos, CA 92078
CLIENT: DUDEK

N



This report includes information from the following map sheet(s).

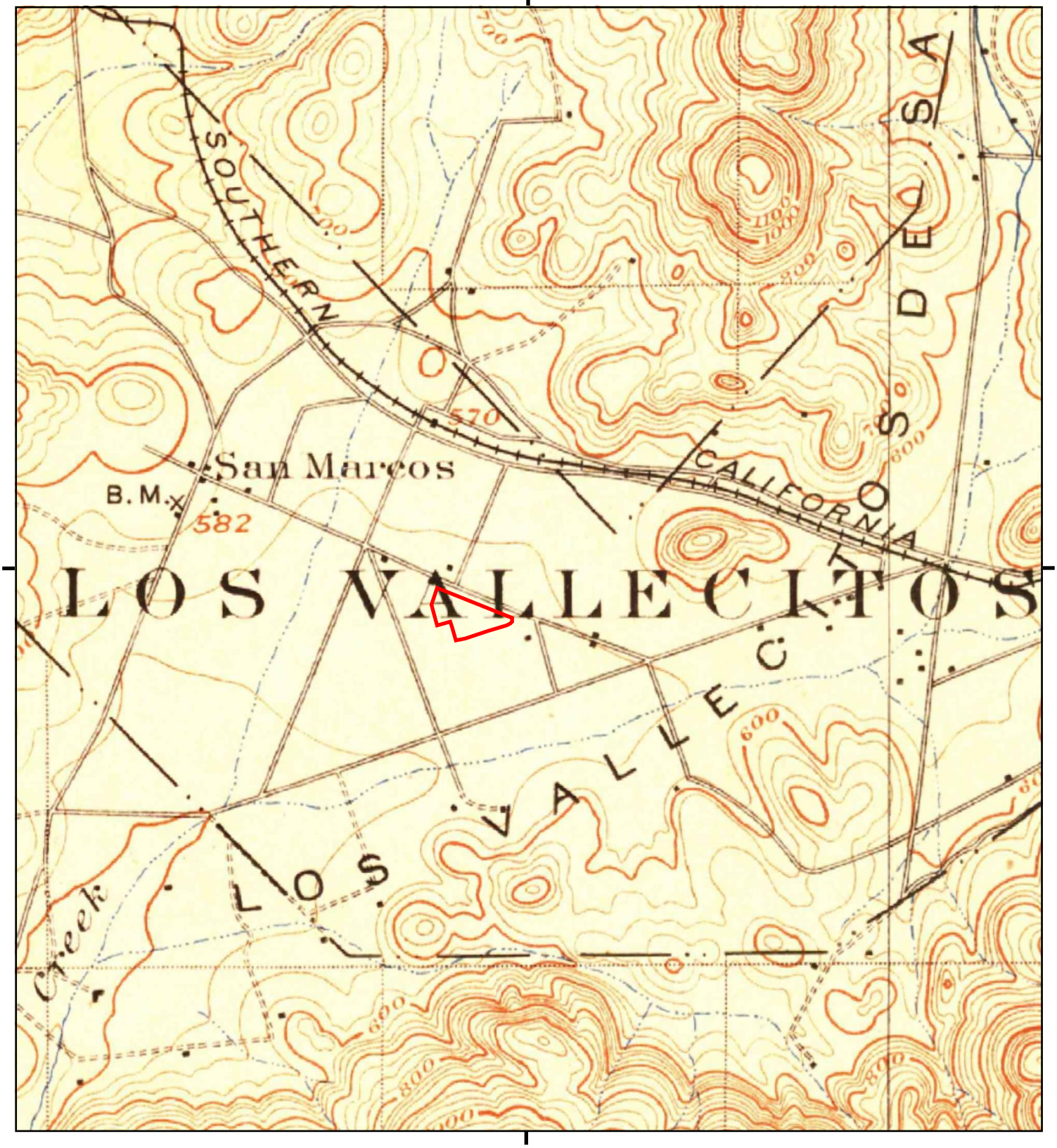
0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, ESCONDIDO, 1947, 15-minute

SITE NAME: Marcos Specific Plan
ADDRESS: 961 GRAND AVE
San Marcos, CA 92078
CLIENT: DUDEK

N



This report includes information from the following map sheet(s).

0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

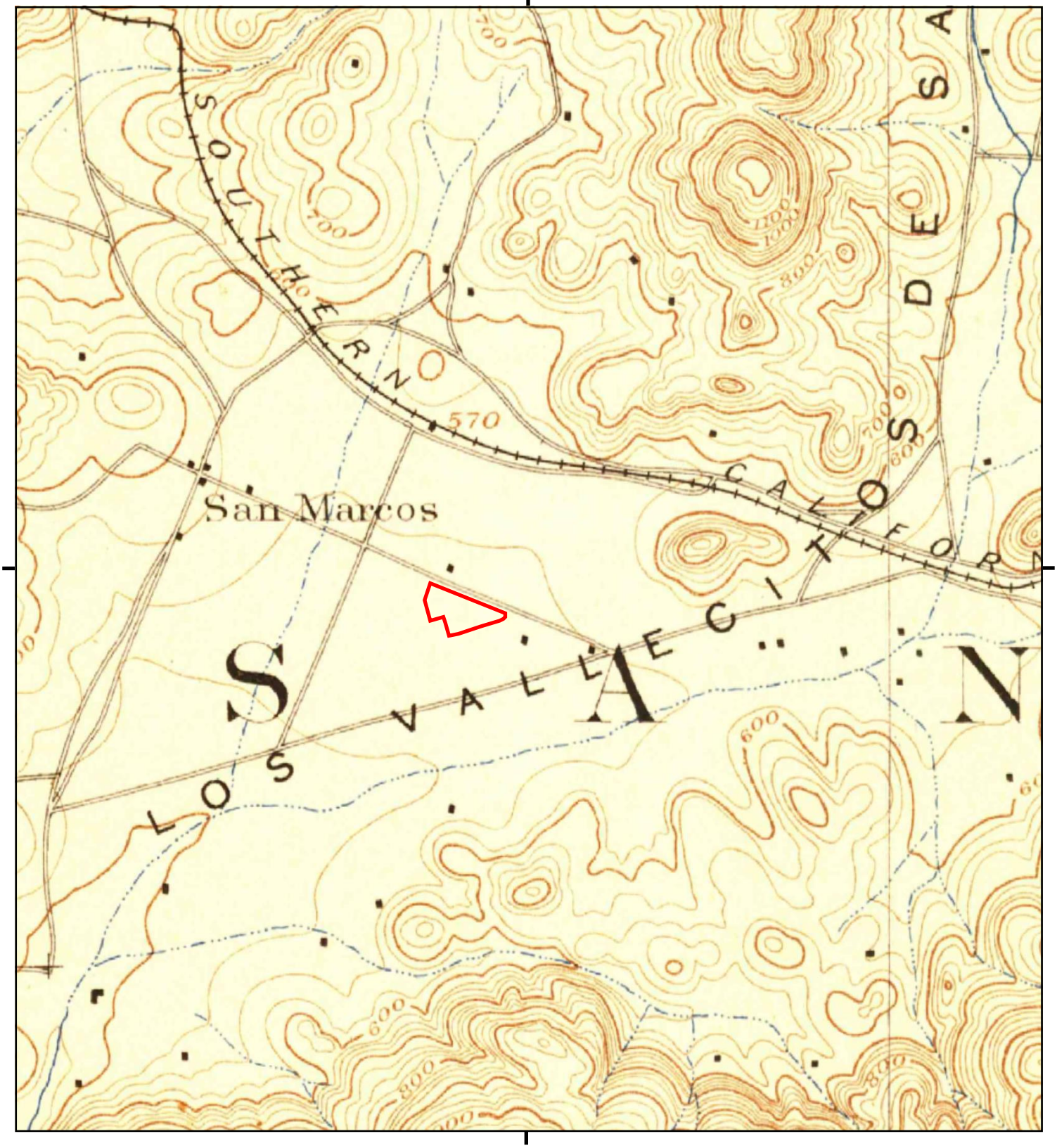
TP, Escondido, 1901, 15-minute

SITE NAME: Marcos Specific Plan
ADDRESS: 961 GRAND AVE
San Marcos, CA 92078
CLIENT: DUDEK

N

Historical Topo Map

1893



This report includes information from the following map sheet(s).

0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, Escondido, 1893, 15-minute

SITE NAME: Marcos Specific Plan
ADDRESS: 961 GRAND AVE
San Marcos, CA 92078
CLIENT: DUDEK

N

Appendix C
EDR Radius Map Report

Marcos Specific Plan
961 GRAND AVE
San Marcos, CA 92078

Inquiry Number: 7158032.2s
October 25, 2022

The EDR Radius Map™ Report with GeoCheck®

6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

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Map Findings Summary	4
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Thank you for your business.
Please contact EDR at 1-800-352-0050
with any questions or comments.

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EXECUTIVE SUMMARY

A search of available environmental records was conducted by Environmental Data Resources, Inc (EDR). The report was designed to assist parties seeking to meet the search requirements of EPA's Standards and Practices for All Appropriate Inquiries (40 CFR Part 312), the ASTM Standard Practice for Environmental Site Assessments (E1527-21), the ASTM Standard Practice for Environmental Site Assessments for Forestland or Rural Property (E 2247-16), the ASTM Standard Practice for Limited Environmental Due Diligence: Transaction Screen Process (E 1528-14) or custom requirements developed for the evaluation of environmental risk associated with a parcel of real estate.

TARGET PROPERTY INFORMATION

ADDRESS

961 GRAND AVE
SAN MARCOS, CA 92078

COORDINATES

Latitude (North):	33.1399980 - 33ˆ 8' 23.99''
Longitude (West):	117.1857510 - 117ˆ 11' 8.70''
Universal Tranverse Mercator:	Zone 11
UTM X (Meters):	482675.0
UTM Y (Meters):	3666631.0
Elevation:	544 ft. above sea level

USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property Map:	12015921 SAN MARCOS, CA
Version Date:	2018
South Map:	12015911 RANCHO SANTA FE, CA
Version Date:	2018

AERIAL PHOTOGRAPHY IN THIS REPORT

Portions of Photo from:	20140530, 20140603
Source:	USDA

MAPPED SITES SUMMARY

Target Property Address:
961 GRAND AVE
SAN MARCOS, CA 92078

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
A1	STAR BUILDERS SUPPLY	961 GRAND AVENUE	RGA LUST		TP
A2	STAR BUILDER SUPPLY	961 GRAND AV	LUST, SAN DIEGO CO. SAM, San Diego Co. HMMD,...		TP
A3	STAR BUILDERS SUPPLY	961 GRAND AVE	RGA LUST		TP
A4	STAR BUILDER SUPPLY	961 GRAND AV	FINDS		TP
A5	STAR BUILDERS SUPPLY	961 GRAND AVENUE	HIST UST		TP
A6	GRAND AVE DRAINAGE R	961 983 1003 1023 GR	ECHO		TP
A7	GW EXTRACTION, LAS P	961 - 1025 GRAND	CERS		TP
A8	1X B R SLAY	961 GRAND AVENUE	HAZNET, HWTS		TP
A9	GRAND AVE DRAINAGE R	961 983 1003 1023 GR	FINDS		TP
A10	CITY OF SAN MARCOS -	961 - 1025 GRAND	FINDS		TP
A11	GRAND AVE DRAINAGE R	961 983 1003 1023 GR	NPDES, CIWQS		TP
A12	STAR BUILDERS SUPPLY	961 GRAND AVE	LUST, HIST UST, HIST CORTESE, SAN DIEGO CO LOP,...		TP
A13	STAR BUILDER SUPPLY	961 GRAND AV	RGA LUST		TP
A14	GW EXTRACTION, LAS P	961 - 1025 GRAND	FINDS, ECHO		TP
B15	ASTLEFORD CONSTRUCTI	1010 LINDA VISTA DR	RCRA-SQG, LUST, AST, San Diego Co. HMMD, SWEEPS...	Lower	1 ft.
B16	TNT BLANCHARD GENERA	1010 LINDA VISTA DR	HAZNET, HWTS	Lower	1 ft.
B17	1X TEMPLETON GRATING	1010 LINDA VISTA DR	HAZNET, HWTS	Lower	1 ft.
B18	GRAND CHANNEL BRIDGE	1010 LINDA VISTA DRI	FINDS	Lower	1 ft.
B19	CARPENTRY PLUS	1010 LINDA VISTA DR	FINDS, ECHO	Lower	1 ft.
C20	SAN MARCOS POLISHING	1043 GRAND AVE	HAZNET, HWTS	Higher	1 ft.
C21	1X LANCASTER AUTO BO	1043 GRAND ST	HAZNET, HWTS	Higher	1 ft.
C22	CRIBWALL COMPANY SIT	1023 GRAND AVENUE	CPS-SLIC, CERS	Higher	1 ft.
D23	APEX IMPORT GARAGE	1003 GRAND AVE	HAZNET, HWTS	Higher	1 ft.
D24	APEX IMPORT GARAGE	1003 GRAND AVE	RCRA NonGen / NLR, FINDS, ECHO	Higher	1 ft.
C25	GRAND AVENUE METAL I	1031 GRAND AVENUE	CPS-SLIC, CERS	Higher	1 ft.
C26	RUDYS RADIATOR SHOP	1057 GRAND AVE	RCRA-SQG, San Diego Co. HMMD, FINDS, ECHO	Higher	1 ft.
C27	SCOTTS VW PARADISE	1031 GRAND AVE	HAZNET, HWTS	Higher	1 ft.
D28	GRAND AVENUE BUILDIN	APN 219 152 70 47 18	NPDES, CIWQS	Lower	1 ft.
C29	V W PARADISE	1031 GRAND	EDR Hist Auto	Higher	1 ft.
C30	SAN MARCOS POLISHING	1043 GRAND AV	San Diego Co. HMMD	Higher	1 ft.
C31	PARADISE V W	1031 GRAND	HAZNET, HWTS	Higher	1 ft.
E32	AUTO TUNE	931 GRAND AV	San Diego Co. HMMD	Higher	1 ft.
C33	RETAINING WALLS CO	1025 GRAND AVE	HAZNET, HWTS	Higher	1 ft.
C34	K&K TRANSMISSION	1031 GRAND AVENUE	HAZNET, HWTS	Higher	1 ft.
C35	DR.TRANS	1031 W GRAND AV	San Diego Co. HMMD	Higher	1 ft.
C36	RUDYS RADIATOR SHOP	1057 GRAND AVE	HAZNET, HWTS	Higher	1 ft.
C37	B & R PORSCHE	1055 GRAND AV	San Diego Co. HMMD	Higher	1 ft.
C38	GLOBAL TRANSMISSIONS	1031 W GRAND AV	San Diego Co. HMMD	Higher	1 ft.
C39	JERRY'S EQUIPMENT	1025 GRAND AV	San Diego Co. HMMD	Higher	1 ft.

MAPPED SITES SUMMARY

Target Property Address:
961 GRAND AVE
SAN MARCOS, CA 92078

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
C40	CITY OF SAN MARCOS	1041 GRAND AVE	HAZNET, HWTS	Higher	1 ft.
C41	CRIBWALL COMPANY SIT	1023 GRAND AVENUE	FINDS	Higher	1 ft.
C42	GRAND AVENUE METAL I	1031 GRAND AVENUE	FINDS	Higher	1 ft.
C43	COMPUTER EDGE AUTOMO	1051 GRAND AV	San Diego Co. HMMD	Higher	1 ft.
C44	JOHNS MOBILE	1049 GRAND AVE	San Diego Co. HMMD, HAZNET, HWTS	Higher	1 ft.
C45	CITY OF SAN MARCOS	1023 GRAND AVE	HAZNET, HWTS	Higher	1 ft.
E46	AUTO TUNE	931A GRAND AVE	HAZNET, HWTS	Higher	1 ft.
C47	CONCRETE SPECIALTIES	1025 GRAND AVE	HAZNET, HWTS	Higher	1 ft.
C48	K & K TRANSMISSION	1031 GRAND AVE	HAZNET, HWTS	Higher	1 ft.
C49	AMERICAN FENCE CO	1075 GRAND AV	SAN DIEGO CO. SAM, San Diego Co. HMMD, Cortese,...	Higher	74, 0.014, NW
C50	AMERICAN FENCE CO	1075 GRAND AV	LUST, HIST CORTESE	Higher	74, 0.014, NW
C51	AMERICAN FENCE CO	1075 GRAND AVE	LUST, SWEEPS UST	Higher	74, 0.014, NW
B52	MISSION AUTO REPAIR	1020 LINDA VISTA DR	San Diego Co. HMMD, DRYCLEANERS	Lower	81, 0.015, SW
B53	MISSION AUTO REPAIR	1020B LINDA VISTA DR	RCRA NonGen / NLR	Lower	81, 0.015, SW
B54	PROGRESS METAL FABRI	1020 LINDA VISTA DR	San Diego Co. HMMD, CERS HAZ WASTE, CERS, HWTS	Lower	81, 0.015, SW
B55	HUES METAL FINISHING	977 LINDA VISTA DR	ENVIROSTOR, San Diego Co. HMMD, CERS HAZ WASTE,...	Higher	103, 0.020, South
A56	TRANSCONNECTION	969 LINDA VISTA DR	EDR Hist Auto	Higher	103, 0.020, SSE
B57	CHURCHS PEST REMOVER	1015 LINDA VISTA DR	RCRA-SQG, FINDS, ECHO	Lower	111, 0.021, SW
B58	PARKSON DIVISION	1015 LINDA VISTA DR	San Diego Co. HMMD, HIST UST	Lower	111, 0.021, SW
B59	ADVANCED HONEYCOMB T	1015 LINDA VISTA DR	CERS HAZ WASTE, CERS	Lower	111, 0.021, SW
B60	ADVANCED HONEYCOMB T	1015 LINDA VISTA DR	RCRA NonGen / NLR	Lower	111, 0.021, SW
B61	PARKSON DIVISION	1015 LINDA VISTA RD	SWEEPS UST	Lower	111, 0.021, SW
B62	CROP PRODUCTION SERV	1015 LINDA VISTA DR	RCRA NonGen / NLR	Lower	111, 0.021, SW
B63	NUTRIEN AG SOLUTIONS	1015 LINDA VISTA DR	AST, San Diego Co. HMMD, CERS HAZ WASTE, CHMIRS,...	Lower	111, 0.021, SW
F64	SAN MARCOS INDIAN MO	1040 LOS VALLECITOS	RCRA NonGen / NLR	Higher	321, 0.061, NNW
F65	BIGGS HARLEY DAVIDSO	1040 LOS VALLECITOS	San Diego Co. HMMD, CERS HAZ WASTE, CERS TANKS,...	Higher	321, 0.061, NNW
F66	AMERICAN MOTORHEAD I	1040 LOS VALLECITOS	RCRA NonGen / NLR	Higher	321, 0.061, NNW
G67	DELONG SPORTSWEAR	1050 LOS VALLECITOS	RCRA-SQG, FINDS, ECHO	Higher	322, 0.061, NNW
G68	SPANJIAN/ DUFOUR	1050 LOS VALLECITOS	SAN DIEGO CO. SAM, CPS-SLIC, CERS	Higher	322, 0.061, NNW
H69	HD SUPPLY CONSTRUCTI	1139 GRAND AVE	RCRA NonGen / NLR	Higher	334, 0.063, NW
I70	SO CAL TRIKE CENTER	1050 LINDA VISTA DR	RCRA NonGen / NLR	Lower	341, 0.065, WSW
I71	DUSK TO DAWN MOTOCYC	1050 LINDA VISTA DR	San Diego Co. HMMD, CERS HAZ WASTE, CERS	Lower	341, 0.065, WSW
J72	MORALLY WHOLESALE	975 LINDA VISTA DR	SAN DIEGO CO. SAM, LUST, San Diego Co. HMMD,...	Higher	345, 0.065, South
J73	FOUR SEASONS TREE CA	975 LINDA VISTA DR	RCRA NonGen / NLR	Higher	345, 0.065, South
K74	LUMBER LIQUIDATORS/L	860 LOS VALLECITOS B	RCRA NonGen / NLR	Higher	393, 0.074, ENE
I75	BLACK OXIDE SERVICE	1070 LINDA VISTA DR	RCRA NonGen / NLR	Lower	411, 0.078, WSW
I76	BLACK OXIDE SERVICE,	1070 LINDA VISTA DR	San Diego Co. HMMD, CERS HAZ WASTE, CERS	Lower	411, 0.078, WSW
L77	SIX TO SIX EQUIPMENT	175 VIA VERA CRUZ S	LUST	Lower	442, 0.084, WNW
L78	SIX TO SIX EQUIP REN	175 VIA VERA CRUZ	LUST, SAN DIEGO CO. SAM, Cortese, HIST CORTESE,...	Lower	442, 0.084, WNW

MAPPED SITES SUMMARY

Target Property Address:
961 GRAND AVE
SAN MARCOS, CA 92078

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
L79	SIX TO SIX EQUIP REN	175 S VIA VERA CRUZ	San Diego Co. HMMD, CERS HAZ WASTE, SWEEPS UST,...	Lower	442, 0.084, WNW
L80	SIX TO SIX INC	175 VIA VERA CRUZ	RCRA NonGen / NLR	Lower	442, 0.084, WNW
81	LARIOS MOBILE AUTO R	1036 COMMERCE ST UNI	RCRA NonGen / NLR	Lower	496, 0.094, SSW
M82	AMISTAR	237 VIA VERA CRUZ	RCRA-SQG, San Diego Co. HMMD, CERS HAZ WASTE,...	Lower	510, 0.097, West
M83	ONCORE MANUFACTURING	237 VIA VERA CRUZ	RCRA NonGen / NLR	Lower	510, 0.097, West
L84	BRAKE STOP & AUTO RE	207 VIA VERA CRUZ	RCRA NonGen / NLR	Lower	511, 0.097, West
L85	BRAKE STOP & AUTO RE	207 VIA VERA CRUZ	San Diego Co. HMMD, CERS HAZ WASTE, CERS, HWTS	Lower	511, 0.097, West
I86	MIRI CORPORATION	1080 LINDA VISTA DR	RCRA NonGen / NLR	Lower	529, 0.100, WSW
I87	PRECISE MANUFACTURIN	1080 LINDA VISTA DR	RCRA NonGen / NLR	Lower	529, 0.100, WSW
I88	MIRI CORPORATION	1080 LINDA VISTA DR	RCRA-SQG, San Diego Co. HMMD, FINDS, ECHO, HAZNET,...	Lower	529, 0.100, WSW
I89	MIRI CORPORATION	1080 LINDA VISTA DR	CERS HAZ WASTE, HAZNET, CERS, HWTS	Lower	529, 0.100, WSW
N90	PACIFIC PRIDE, SKS,	875 W GRAND AVE	UST	Higher	530, 0.100, ESE
N91	BRACKMAN FUEL CENTER	875 GRAND AVE	HIST UST	Higher	530, 0.100, ESE
N92	PACIFIC PRIDE, SKS,	875 W GRAND AVE	SWEEPS UST, SAN DIEGO CO LOP	Higher	530, 0.100, ESE
N93	PACIFIC PRIDE, SKS,	875 GRAND AVE	UST	Higher	530, 0.100, ESE
N94	SKS, SAN MARCOS	875 W GRAND AV	SAN DIEGO CO. SAM, LUST, San Diego Co. HMMD, HIST...	Higher	530, 0.100, ESE
N95	PACIFIC HOMES	145 S BENT AVE	RCRA NonGen / NLR	Higher	562, 0.106, ESE
K96	HIGH VOLTAGE ENGINEE	870 LOS VALLECITOS B	RCRA-SQG, FINDS, ECHO	Higher	578, 0.109, East
K97	JUDD WIRE	870 LOS VALLECITOS B	LUST, SAN DIEGO CO. SAM, San Diego Co. HMMD,...	Higher	578, 0.109, East
K98	JUDD WIRE	870 LOS VALLECITOS	LUST, HIST CORTESE	Higher	578, 0.109, East
H99	JENNIFER VALDEZ	1155 GRAND AVE	RCRA NonGen / NLR	Higher	612, 0.116, WNW
O100	FRY'S ELECTRONICS	150 BENT AVE	RCRA NonGen / NLR	Higher	648, 0.123, ESE
L101	JEFFREY LEE	145 VIA VERA CRUZ	RCRA NonGen / NLR	Lower	667, 0.126, WNW
L102	CLARENCE OCHS,INC.	145 VIA VERA CRUZ	LUST	Lower	667, 0.126, WNW
L103	CLARENCE OCHS OIL	145 VIA VERA CRUZ	SAN DIEGO CO. SAM, San Diego Co. HMMD, CERS HAZ...	Lower	667, 0.126, WNW
L104	SOUTHERN COUNTIES LU	145 VIA VERA CRUZ	UST	Lower	667, 0.126, WNW
L105	SOUTHERN COUNTIES LU	145 VIA VERA CRUZ	AST	Lower	667, 0.126, WNW
L106	SOUTHERN COUNTIES LU	145 VIA VERA CRUZ	RCRA NonGen / NLR	Lower	667, 0.126, WNW
L107	CLARENCE OCHS OIL	145 VIA VERA CRUZ	LUST, HIST CORTESE, CIWQS	Lower	667, 0.126, WNW
P108	DDAM LLC DBA CALWEST	1070 COMMERCE ST STE	RCRA NonGen / NLR	Lower	712, 0.135, SW
P109	TRIPLE TAKE HOLOGRAP	1070 COMMERCE ST	San Diego Co. HMMD, CERS HAZ WASTE, CERS	Lower	712, 0.135, SW
O110	COSTCO WHOLESALE #15	150 S. BENT AVE	RCRA-VSQG	Higher	789, 0.149, SE
O111	COSTCO BUSINESS CENT	150 S BENT AVE	San Diego Co. HMMD, CERS HAZ WASTE, CERS	Higher	789, 0.149, SE
Q112	CREATIVE ELECTRON IN	310 VIA VERA CRUZ	RCRA-SQG	Lower	885, 0.168, SW
113	TEAMWORK ATHLETIC	166 NEWPORT DR	RCRA NonGen / NLR	Higher	903, 0.171, NNW
O114	SAN MARCOS MINI STOR	165 S. BENT AVE	SEMS-ARCHIVE, PRP	Higher	904, 0.171, SE
Q115	STIGTEC	1125 LINDA VISTA DR	RCRA NonGen / NLR	Lower	925, 0.175, WSW
116	MODERN BUILDERS SUPP	825 GRAND AVE	RCRA NonGen / NLR	Higher	952, 0.180, ESE
117	NO. CO. HEALTH SVCS.	BOARDWALK & PARK PLA	ENVIROSTOR	Lower	962, 0.182, South

MAPPED SITES SUMMARY

Target Property Address:
961 GRAND AVE
SAN MARCOS, CA 92078

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
R118	WALTER TRUCKING, INC	173 S BENT AVE	SWEEPS UST, SAN DIEGO CO LOP	Higher	1041, 0.197, SE
R119	WALTER TRUCKING, INC	173 S BENT AV	LUST, SAN DIEGO CO. SAM, San Diego Co. HMMD,...	Higher	1041, 0.197, SE
S120	PARABILIS SPACE TECH	1145 LINDA VISTA DR	RCRA-VSQG, FINDS, ECHO	Lower	1066, 0.202, WSW
T121	RB III ASSOCIATES IN	1248 LOS VALLECITOS	RCRA NonGen / NLR	Higher	1118, 0.212, NW
U122	BEI KIMCO DIVISION	150 VALLECITOS DE OR	RCRA-SQG, FINDS, ECHO, HAZNET, HWTS	Higher	1126, 0.213, ENE
U123	BREE ENGINEERING COR	135 VALLECITOS DE OR	CERS HAZ WASTE	Higher	1130, 0.214, ENE
U124	BREE ENGINEERING COR	135 VALLECITOS DE OR	RCRA NonGen / NLR	Higher	1130, 0.214, ENE
R125	R.D. WALTER TRUCKING	174 BENT	LUST, HIST CORTESE	Higher	1166, 0.221, SE
R126	R D WALTER TRUCKINGI	174 SO BENT AVE	HIST UST	Higher	1193, 0.226, SE
V127	LOVE BOAT SUSHI	121 SOUTH LAS POSAS	RCRA NonGen / NLR	Lower	1208, 0.229, WNW
S128	METAL ETCH SERVICES	1165 LINDA VISTA DR	RCRA NonGen / NLR	Lower	1214, 0.230, WSW
S129	METAL ETCH SERVICES,	1165 LINDA VISTA DRI	RCRA-SQG	Lower	1214, 0.230, WSW
S130	METAL ETCH SERVICES	1165 LINDA VISTA DR	San Diego Co. HMMD, CERS HAZ WASTE, CERS	Lower	1214, 0.230, WSW
V131	SPROUTS FARMERS MARK	149 S LAS POSAS RD	RCRA NonGen / NLR	Higher	1214, 0.230, WNW
V132	SPROUTS FARMERS MARK	149 SOUTH LAS POSAS	San Diego Co. HMMD, CERS HAZ WASTE, HAZNET, CERS,...	Higher	1214, 0.230, WNW
V133	PETCOACH #4501	141 S LAS POSAS RD	RCRA NonGen / NLR	Lower	1215, 0.230, WNW
V134	PETCO STORE #1154	141 S LAS POSAS RD	San Diego Co. HMMD, CERS HAZ WASTE, HAZNET, CERS,...	Lower	1215, 0.230, WNW
V135	LAS POSAS DENTAL PRA	145 S LAS POSAS RD S	RCRA NonGen / NLR	Higher	1215, 0.230, WNW
W136	PARTY CITY CORPORATI	157 S LAS POSAS RD	RCRA NonGen / NLR	Higher	1243, 0.235, NW
W137	PARTY CITY #661 SAN	157 S LAS POSAS RD	San Diego Co. HMMD, CERS HAZ WASTE, HAZNET, CERS,...	Higher	1243, 0.235, NW
T138	MOYER CHEMICAL	1227 LOS VALLECITOS	SEMS-ARCHIVE	Higher	1244, 0.236, NW
W139	MARSHALLS 0502	161 S LAS POSAS RD	San Diego Co. HMMD, CERS HAZ WASTE, HAZNET, CERS,...	Higher	1258, 0.238, NW
W140	MARSHALLS 0502	161 S LAS POSAS RD	RCRA NonGen / NLR	Higher	1258, 0.238, NW
X141	SIGNET - ARMORLITE I	130 N BINGHAM DRIVE	HIST UST, NPDES, CIWQS	Higher	1259, 0.238, NNE
W142	BED, BATH AND BEYOND	165 S LAS POSAS RD	San Diego Co. HMMD, CERS HAZ WASTE, HAZNET, CERS,...	Higher	1261, 0.239, NW
W143	BED BATH & BEYOND #1	165 S LAS POSAS RD	RCRA NonGen / NLR	Higher	1261, 0.239, NW
W144	NORDSTROM RACK #383	173 S LAS POSAS RD	San Diego Co. HMMD, CERS HAZ WASTE, CERS	Higher	1265, 0.240, NW
W145	NORDSTROM RACK #383	173 S LAS POSAS RD	RCRA NonGen / NLR	Higher	1265, 0.240, NW
W146	ORCHARD SUPPLY HARDW	177 S LAS POSAS RD	RCRA NonGen / NLR	Higher	1267, 0.240, NW
W147	ROSS DRESS FOR LESS	181 S LAS POSAS RD	San Diego Co. HMMD, CERS HAZ WASTE, HAZNET, CERS,...	Higher	1269, 0.240, NW
W148	ROSS DRESS FOR LESS	181 S LAS POSAS RD	RCRA NonGen / NLR	Higher	1269, 0.240, NW
W149	ULTA BEAUTY #244 (SA	185 SOUTH LAS POSAS	CERS HAZ WASTE, CERS	Higher	1270, 0.241, NW
W150	ULTA BEAUTY 244	185 S LAS POSAS RD	RCRA NonGen / NLR	Higher	1270, 0.241, NW
151	SAN MARCOS CAL STATE	800 WEST VALLECITOS	ENVIROSTOR	Higher	1317, 0.249, East
Y152	VALLECITOS WATER DIS	788 SAN MARCOS BL	LUST, SAN DIEGO CO. SAM, Cortese, CERS	Higher	1435, 0.272, SE
Y153	VALLECITOS WATER DIS	788 SAN MARCOS BL	LUST, HIST CORTESE	Higher	1435, 0.272, SE
Z154	CRIBBAGE LANE & SAN		Notify 65	Lower	1443, 0.273, SSE
155	TLC CARWASH	740 W SAN MARCOS BL	LUST, SAN DIEGO CO. SAM, San Diego Co. HMMD,...	Higher	1443, 0.273, ESE
AA156	MASHBURN SANITATION	224 LAS POSAS RD	SWF/LF, LUST, HIST CORTESE	Higher	1456, 0.276, West

MAPPED SITES SUMMARY

Target Property Address:
961 GRAND AVE
SAN MARCOS, CA 92078

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
AA157	MASHBURN SANITATION	224 LAS POSAS ROAD	SWF/LF, Notify 65	Higher	1456, 0.276, West
AA158	SOLID WASTE SERVICES	224 S LAS POSAS RD	SWF/LF, LUST, SAN DIEGO CO. SAM, CPS-SLIC, AST,...	Higher	1456, 0.276, West
Z159	FIRST NATIONAL BANK	885 SAN MARCOS BLVD	LUST, SAN DIEGO CO. SAM, Cortese, CERS	Lower	1486, 0.281, SSE
Z160	FIRST NATIONAL BANK	885 SAN MARCOS	LUST, HIST CORTESE	Lower	1486, 0.281, SSE
X161	SIGNET ARMORLITE, IN	1001 ARMORLITE DR.	CPS-SLIC	Higher	1513, 0.287, NNE
X162	SIGNET ARMORLITE, IN	1001 ARMORLITE DRIVE	SEMS-ARCHIVE, CORRACTS, RCRA-TSDF, RCRA-LQG,...	Higher	1513, 0.287, NNE
Y163	SAN DIEGO AUTO CENTE	755 SAN MARCOS BL	LUST, SAN DIEGO CO. SAM, San Diego Co. HMMD,...	Higher	1611, 0.305, SE
Y164	SAN MARCOS AUTO CENT	747 SAN MARCOS BLVD	LUST, SWEEPS UST, HIST CORTESE	Higher	1632, 0.309, SE
165	CREST BEVERAGE	1152 ARMORLITE DR	SAN DIEGO CO. SAM, LUST, San Diego Co. HMMD,...	Higher	1632, 0.309, North
AB166	COLUCCI DEVELOPMENT	1325 GRAND AVE	CPS-SLIC	Higher	1725, 0.327, WNW
AC167	LLOYD PEST CONTROL	223 S BENT AV	LUST, SAN DIEGO CO. SAM, San Diego Co. HMMD,...	Lower	1776, 0.336, SE
AB168	DEWEY PEST CONTROL	1370 GRAND AVENUE	RCRA-SQG, LUST, SAN DIEGO CO. SAM, CPS-SLIC, UST,...	Higher	1811, 0.343, WNW
AD169	COCA COLA ENTERPISES	NONE LAS POSAS/ARMOR	CPS-SLIC, CERS	Higher	1823, 0.345, NNW
AC170	LLOYD PEST CONTROL	223 BENT	LUST, HIST CORTESE	Lower	1829, 0.346, SE
171	JAKE STAGG	935 BAILEY CT.	RCRA-SQG, SAN DIEGO CO. SAM, CPS-SLIC, San Diego...	Higher	1868, 0.354, NNE
AD172	VACANT LOT	199 LAS POSAS RD	SAN DIEGO CO. SAM, San Diego Co. HMMD	Higher	1899, 0.360, NNW
AE173	670 SAN MARCOS BLVD.	670 SAN MARCOS BLVD.	ENVIROSTOR	Higher	1969, 0.373, ESE
AE174	ABANDONED GASOLINE S	670 W SAN MARCOS BL	LUST, SAN DIEGO CO. SAM, CPS-SLIC, San Diego Co....	Higher	1969, 0.373, ESE
AD175	COCA COLA ENTERPISES	LAS POSAS/ARMORLITE	SAN DIEGO CO. SAM	Higher	2012, 0.381, NNW
AF176	SHELL	679 SAN MARCOS BLVD	SAN DIEGO CO. SAM, Cortese, CERS	Higher	2073, 0.393, ESE
AF177	SHELL	679 SAN MARCOS BL	LUST, SAN DIEGO CO. SAM, CERS HAZ WASTE, CERS...	Higher	2073, 0.393, ESE
AG178	TORREY CHEMICAL CO	217 LAS POSAS RD	SEMS-ARCHIVE	Higher	2116, 0.401, NNW
AG179	TORREY CHEMICAL CO.	217 LAS POSAS ROAD	ENVIROSTOR	Higher	2116, 0.401, NNW
AH180	AIR PRODUCTS AND CHE	1415 GRAND AVE	LUST, SWEEPS UST, SAN DIEGO CO LOP	Higher	2127, 0.403, WNW
AH181	L AND V INDUSTRIAL S	1415 GRAND AVE	SAN DIEGO CO. SAM, LUST, San Diego Co. HMMD, CERS...	Higher	2127, 0.403, WNW
AE182	ABANDONED GASOLINE S	670 SAM MARCOS BLVD	LUST	Higher	2137, 0.405, ESE
AG183	MASHBURN WASTE	224 LAS POSAS RD S	LUST	Higher	2175, 0.412, NNW
AE184	TEXACO	615 SAN MARCOS BLVD	LUST	Higher	2261, 0.428, ESE
AE185	TEXACO	615 SAN MARCOS	HIST CORTESE	Higher	2261, 0.428, ESE
186	SAN MARCOS TEXACO	583 GRAND AVE	LUST, Cortese	Higher	2336, 0.442, ESE
AI187	SAN MARCOS GAS	1290 W MISSION RD	LUST, SAN DIEGO CO. SAM, San Diego Co. HMMD, CERS...	Higher	2585, 0.490, NNW
AI188	SAN MARCOS GAS	1290 W MISSION RD	Cortese, HAZNET, HWTS	Higher	2585, 0.490, NNW
189	PALOMAR COMMUNITY CO	1140 E MISSION RD	RCRA-SQG, LUST, SAN DIEGO CO. SAM, UST, AST, San...	Higher	2621, 0.496, NE
190	MACDERMID PRINTING S	260 SOUTH PACIFIC ST	RCRA-LQG, ENVIROSTOR, LUST, SWEEPS UST, HIST UST,...	Higher	3143, 0.595, West
191	SAN MARCOS UNIFIED S	SOUTHWEST CORNER OF	ENVIROSTOR, SCH	Higher	3767, 0.713, ENE
192	HUGHES CIRCUITS INC	540 S PACIFIC ST	RCRA-SQG, ENVIROSTOR, San Diego Co. HMMD, CERS HAZ...	Lower	4009, 0.759, WSW
AJ193	GEC MARCONI ELECTRON	1370 SAN MARCOS BLVD	SEMS-ARCHIVE, CORRACTS, RCRA-TSDF, RCRA-SQG, 2020...	Lower	4672, 0.885, SW
AJ194	THE SINGER CO/KEARFO	1370 W SAN MARCOS BL	HIST UST, HWP, NPDES, CIWQS, CERS	Lower	4672, 0.885, SW
AJ195	SINGER CO, KEARFOTT	1370 SAN MARCOS BLVD	ENVIROSTOR, CPS-SLIC, ENF, HIST CORTESE, CIWQS,...	Lower	4672, 0.885, SW

MAPPED SITES SUMMARY

Target Property Address:
961 GRAND AVE
SAN MARCOS, CA 92078

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
196	SAN MARCOS ACADEMY A	300 W. SAN MARCOS BO	ENVIROSTOR, SCH, San Diego Co. HMMD, HAZNET, CERS,...	Higher	4744, 0.898, East

EXECUTIVE SUMMARY

TARGET PROPERTY SEARCH RESULTS

The target property was identified in the following records. For more information on this property see page 9 of the attached EDR Radius Map report:

Site	Database(s)	EPA ID
STAR BUILDERS SUPPLY 961 GRAND AVENUE SAN MARCOS, CA	RGA LUST	N/A
STAR BUILDER SUPPLY 961 GRAND AV SAN MARCOS, CA 92069	LUST Database: LUST REG 9, Date of Government Version: 03/01/2001 SAN DIEGO CO. SAM Case Number: H03765-001 Facility Status: Closed Case San Diego Co. HMMD Cortese Cleanup Status: COMPLETED - CASE CLOSED ENF Status: Historical Status: Active Facility Id: 771530 NPDES Facility Status: Historical CIWQS	N/A
STAR BUILDERS SUPPLY 961 GRAND AVE SAN MARCOS, CA	RGA LUST	N/A
STAR BUILDER SUPPLY 961 GRAND AV SAN MARCOS, CA 92069	FINDS Registry ID:: 110066723567	N/A
STAR BUILDERS SUPPLY 961 GRAND AVENUE SAN MARCOS, CA 92069	HIST UST	N/A
GRAND AVE DRAINAGE R 961 983 1003 1023 GR SAN MARCOS, CA 92063	ECHO Registry ID: 110070091131	N/A
GW EXTRACTION, LAS P 961 - 1025 GRAND SAN MARCOS, CA 92069	CERS	N/A
1X B R SLAY 961 GRAND AVENUE SAN MARCOS, CA 92069	HAZNET	N/A

EXECUTIVE SUMMARY

	GEPAID: CAC000052349 HWTS	
GRAND AVE DRAINAGE R 961 983 1003 1023 GR SAN MARCOS, CA 92063	FINDS Registry ID:: 110070091131	N/A
CITY OF SAN MARCOS - 961 - 1025 GRAND SAN MARCOS, CA 92069	FINDS Registry ID:: 110066578894	N/A
GRAND AVE DRAINAGE R 961 983 1003 1023 GR SAN MARCOS, CA 92063	NPDES Facility Status: Terminated CIWQS	N/A
STAR BUILDERS SUPPLY 961 GRAND AVE SAN MARCOS, CA 92069	LUST Database: LUST, Date of Government Version: 05/23/2022 Status: Completed - Case Closed Status: Case Closed Global Id: T0607303116 Case Number: 9UT872 Closed Date: 6/20/88 HIST UST Facility Id: 00000004457 HIST CORTESE Reg Id: 9UT872 SAN DIEGO CO LOP CERS	N/A
STAR BUILDER SUPPLY 961 GRAND AV SAN MARCOS, CA	RGA LUST	N/A
GW EXTRACTION, LAS P 961 - 1025 GRAND SAN MARCOS, CA 92069	FINDS Registry ID:: 110070102618 ECHO Registry ID: 110070102618	N/A

EXECUTIVE SUMMARY

DATABASES WITH NO MAPPED SITES

No mapped sites were found in EDR's search of available ("reasonably ascertainable ") government records either on the target property or within the search radius around the target property for the following databases:

STANDARD ENVIRONMENTAL RECORDS

Lists of Federal NPL (Superfund) sites

NPL ---------- National Priority List
Proposed NPL ---------- Proposed National Priority List Sites
NPL LIENS ---------- Federal Superfund Liens

Lists of Federal Delisted NPL sites

Delisted NPL ---------- National Priority List Deletions

Lists of Federal sites subject to CERCLA removals and CERCLA orders

FEDERAL FACILITY ---------- Federal Facility Site Information listing
SEMS ---------- Superfund Enterprise Management System

Lists of Federal RCRA generators

RCRA-LQG ---------- RCRA - Large Quantity Generators

Federal institutional controls / engineering controls registries

LUCIS ---------- Land Use Control Information System
US ENG CONTROLS ---------- Engineering Controls Sites List
US INST CONTROLS ---------- Institutional Controls Sites List

Federal ERNS list

ERNS ---------- Emergency Response Notification System

Lists of state- and tribal (Superfund) equivalent sites

RESPONSE ---------- State Response Sites

Lists of state and tribal leaking storage tanks

INDIAN LUST ---------- Leaking Underground Storage Tanks on Indian Land

Lists of state and tribal registered storage tanks

FEMA UST ---------- Underground Storage Tank Listing
INDIAN UST ---------- Underground Storage Tanks on Indian Land

Lists of state and tribal voluntary cleanup sites

VCP ---------- Voluntary Cleanup Program Properties

INDIAN VCP ---- Voluntary Cleanup Priority Listing

Lists of state and tribal brownfield sites

BROWNFIELDS ---- Considered Brownfieds Sites Listing

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS ---- A Listing of Brownfields Sites

Local Lists of Landfill / Solid Waste Disposal Sites

WMUDS/SWAT ---- Waste Management Unit Database
HAULERS ---- Registered Waste Tire Haulers Listing
INDIAN ODI ---- Report on the Status of Open Dumps on Indian Lands
DEBRIS REGION 9 ---- Torres Martinez Reservation Illegal Dump Site Locations
ODI ---- Open Dump Inventory
IHS OPEN DUMPS ---- Open Dumps on Indian Land

Local Lists of Hazardous waste / Contaminated Sites

US HIST CDL ---- Delisted National Clandestine Laboratory Register
HIST Cal-Sites ---- Historical Calsites Database
SCH ---- School Property Evaluation Program
CDL ---- Clandestine Drug Labs
Toxic Pits ---- Toxic Pits Cleanup Act Sites
US CDL ---- National Clandestine Laboratory Register
PFAS ---- PFAS Contamination Site Location Listing
AQUEOUS FOAM ---- Former Fire Training Facility Assessments Listing

Local Lists of Registered Storage Tanks

CA FID UST ---- Facility Inventory Database

Local Land Records

LIENS ---- Environmental Liens Listing
LIENS 2 ---- CERCLA Lien Information

Records of Emergency Release Reports

HMIRS ---- Hazardous Materials Information Reporting System
CHMIRS ---- California Hazardous Material Incident Report System
LDS ---- Land Disposal Sites Listing
MCS ---- Military Cleanup Sites Listing
SPILLS 90 ---- SPILLS 90 data from FirstSearch

Other Ascertainable Records

FUDS ---- Formerly Used Defense Sites
DOD ---- Department of Defense Sites
SCRD DRYCLEANERS ---- State Coalition for Remediation of Drycleaners Listing

EXECUTIVE SUMMARY

US FIN ASSUR	Financial Assurance Information
EPA WATCH LIST	EPA WATCH LIST
2020 COR ACTION	2020 Corrective Action Program List
TSCA	Toxic Substances Control Act
TRIS	Toxic Chemical Release Inventory System
SSTS	Section 7 Tracking Systems
ROD	Records Of Decision
RMP	Risk Management Plans
RAATS	RCRA Administrative Action Tracking System
PRP	Potentially Responsible Parties
PADS	PCB Activity Database System
ICIS	Integrated Compliance Information System
FTTS	FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
MLTS	Material Licensing Tracking System
COAL ASH DOE	Steam-Electric Plant Operation Data
COAL ASH EPA	Coal Combustion Residues Surface Impoundments List
PCB TRANSFORMER	PCB Transformer Registration Database
RADINFO	Radiation Information Database
HIST FTTS	FIFRA/TSCA Tracking System Administrative Case Listing
DOT OPS	Incident and Accident Data
CONSENT	Superfund (CERCLA) Consent Decrees
INDIAN RESERV	Indian Reservations
FUSRAP	Formerly Utilized Sites Remedial Action Program
UMTRA	Uranium Mill Tailings Sites
LEAD SMELTERS	Lead Smelter Sites
US AIRS	Aerometric Information Retrieval System Facility Subsystem
US MINES	Mines Master Index File
ABANDONED MINES	Abandoned Mines
DOCKET HWC	Hazardous Waste Compliance Docket Listing
UXO	Unexploded Ordnance Sites
FUELS PROGRAM	EPA Fuels Program Registered Listing
CA BOND EXP. PLAN	Bond Expenditure Plan
CUPA Listings	CUPA Resources List
EMI	Emissions Inventory Data
Financial Assurance	Financial Assurance Information Listing
ICE	ICE
HWT	Registered Hazardous Waste Transporter Database
MINES	Mines Site Location Listing
MWMP	Medical Waste Management Program Listing
PEST LIC	Pesticide Regulation Licenses Listing
PROC	Certified Processors Database
UIC	UIC Listing
UIC GEO	UIC GEO (GEOTRACKER)
WASTEWATER PITS	Oil Wastewater Pits Listing
WDS	Waste Discharge System
WIP	Well Investigation Program Case List
MILITARY PRIV SITES	MILITARY PRIV SITES (GEOTRACKER)
PROJECT	PROJECT (GEOTRACKER)
WDR	Waste Discharge Requirements Listing
NON-CASE INFO	NON-CASE INFO (GEOTRACKER)
OTHER OIL GAS	OTHER OIL & GAS (GEOTRACKER)
PROD WATER PONDS	PROD WATER PONDS (GEOTRACKER)
SAMPLING POINT	SAMPLING POINT (GEOTRACKER)
WELL STIM PROJ	Well Stimulation Project (GEOTRACKER)

MINES MRDS..... Mineral Resources Data System

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP..... EDR Proprietary Manufactured Gas Plants
EDR Hist Cleaner..... EDR Exclusive Historical Cleaners

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

RGA LF..... Recovered Government Archive Solid Waste Facilities List

SURROUNDING SITES: SEARCH RESULTS

Surrounding sites were identified in the following databases.

Elevations have been determined from the USGS Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified. Sites with an elevation equal to or higher than the target property have been differentiated below from sites with an elevation lower than the target property.
Page numbers and map identification numbers refer to the EDR Radius Map report where detailed data on individual sites can be reviewed.

Sites listed in ***bold italics*** are in multiple databases.

Unmappable (orphan) sites are not considered in the foregoing analysis.

STANDARD ENVIRONMENTAL RECORDS

Lists of Federal CERCLA sites with NFRAP

SEMS-ARCHIVE: SEMS-ARCHIVE (Superfund Enterprise Management System Archive) tracks sites that have no further interest under the Federal Superfund Program based on available information. The list was formerly known as the CERCLIS-NFRAP, renamed to SEMS ARCHIVE by the EPA in 2015. EPA may perform a minimal level of assessment work at a site while it is archived if site conditions change and/or new information becomes available. Archived sites have been removed and archived from the inventory of SEMS sites. Archived status indicates that, to the best of EPA's knowledge, assessment at a site has been completed and that EPA has determined no further steps will be taken to list the site on the National Priorities List (NPL), unless information indicates this decision was not appropriate or other considerations require a recommendation for listing at a later time. The decision does not necessarily mean that there is no hazard associated with a given site; it only means that. based upon available information, the location is not judged to be potential NPL site.

A review of the SEMS-ARCHIVE list, as provided by EDR, and dated 07/26/2022 has revealed that there are 4 SEMS-ARCHIVE sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
SAN MARCOS MINI STOR Site ID: 0904230	***165 S. BENT AVE***	***SE 1/8 - 1/4 (0.171 mi.)***	***O114***	***841***

EPA Id: CAD983615154				
MOYER CHEMICAL Site ID: 0902217 EPA Id: CAD980892723	1227 LOS VALLECITOS	NW 1/8 - 1/4 (0.236 mi.)	T138	988
SIGNET ARMORLITE, IN Site ID: 0900209 EPA Id: CAD008362634	***1001 ARMORLITE DRIVE***	***NNE 1/4 - 1/2 (0.287 mi.)***	***X162***	***1332***
TORREY CHEMICAL CO Site ID: 0902600 EPA Id: CAD982360430	217 LAS POSAS RD	NNW 1/4 - 1/2 (0.401 mi.)	AG178	1492

Lists of Federal RCRA facilities undergoing Corrective Action

CORRACTS: CORRACTS is a list of handlers with RCRA Corrective Action Activity. This report shows which nationally-defined corrective action core events have occurred for every handler that has had corrective action activity.

A review of the CORRACTS list, as provided by EDR, and dated 06/20/2022 has revealed that there are 2 CORRACTS sites within approximately 1 mile of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
SIGNET ARMORLITE, IN EPA ID:: CAD008362634	***1001 ARMORLITE DRIVE***	***NNE 1/4 - 1/2 (0.287 mi.)***	***X162***	***1332***

Lower Elevation	Address	Direction / Distance	Map ID	Page
GEC MARCONI ELECTRON EPA ID:: CAD046589305	***1370 SAN MARCOS BLVD***	***SW 1/2 - 1 (0.885 mi.)***	***AJ193***	***1992***

Lists of Federal RCRA TSD facilities

RCRA-TSDF: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Transporters are individuals or entities that move hazardous waste from the generator offsite to a facility that can recycle, treat, store, or dispose of the waste. TSDFs treat, store, or dispose of the waste.

A review of the RCRA-TSDF list, as provided by EDR, and dated 06/20/2022 has revealed that there is 1 RCRA-TSDF site within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
SIGNET ARMORLITE, IN EPA ID:: CAD008362634	***1001 ARMORLITE DRIVE***	***NNE 1/4 - 1/2 (0.287 mi.)***	***X162***	***1332***

EXECUTIVE SUMMARY

Lists of Federal RCRA generators

RCRA-SQG: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month.

A review of the RCRA-SQG list, as provided by EDR, and dated 06/20/2022 has revealed that there are 10 RCRA-SQG sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
RUDYS RADIATOR SHOP EPA ID:: CAD981980295	***1057 GRAND AVE***	***0 - 1/8 (0.000 mi.)***	***C26***	***84***
DELONG SPORTSWEAR EPA ID:: CAD982020034	***1050 LOS VALLECITOS***	***NNW 0 - 1/8 (0.061 mi.)***	***G67***	***470***
HIGH VOLTAGE ENGINEE EPA ID:: CAD980638266	***870 LOS VALLECITOS B***	***E 0 - 1/8 (0.109 mi.)***	***K96***	***734***
BEI KIMCO DIVISION EPA ID:: CAD982021495	***150 VALLECITOS DE OR***	***ENE 1/8 - 1/4 (0.213 mi.)***	***U122***	***858***

Lower Elevation	Address	Direction / Distance	Map ID	Page
ASTLEFORD CONSTRUCTI EPA ID:: CAD982009011	***1010 LINDA VISTA DR***	***0 - 1/8 (0.000 mi.)***	***B15***	***32***
CHURCHS PEST REMOVER EPA ID:: CAD981433725	***1015 LINDA VISTA DR***	***SW 0 - 1/8 (0.021 mi.)***	***B57***	***205***
AMISTAR EPA ID:: CAD982470445	***237 VIA VERA CRUZ***	***W 0 - 1/8 (0.097 mi.)***	***M82***	***569***
MIRI CORPORATION EPA ID:: CAD981395882	***1080 LINDA VISTA DR***	***WSW 0 - 1/8 (0.100 mi.)***	***I88***	***671***
CREATIVE ELECTRON IN EPA ID:: CAR000197475	310 VIA VERA CRUZ	SW 1/8 - 1/4 (0.168 mi.)	Q112	835
METAL ETCH SERVICES, EPA ID:: CAR000323782	1165 LINDA VISTA DRI	WSW 1/8 - 1/4 (0.230 mi.)	S129	874

RCRA-VSQG: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Very small quantity generators (VSQGs) generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month.

A review of the RCRA-VSQG list, as provided by EDR, and dated 06/20/2022 has revealed that there are 2 RCRA-VSQG sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
COSTCO WHOLESALE #15 EPA ID:: CAR000334490	150 S. BENT AVE	SE 1/8 - 1/4 (0.149 mi.)	O110	823

Lower Elevation	Address	Direction / Distance	Map ID	Page
PARABILIS SPACE TECH	***1145 LINDA VISTA DR***	***WSW 1/8 - 1/4 (0.202 mi.)***	***S120***	***852***

EXECUTIVE SUMMARY

EPA ID:: CAR000263012

Lists of state- and tribal hazardous waste facilities

ENVIROSTOR: The Department of Toxic Substances Control's (DTSC's) Site Mitigation and Brownfields Reuse Program's (SMBRP's) EnviroStor database identifes sites that have known contamination or sites for which there may be reasons to investigate further. The database includes the following site types: Federal Superfund sites (National Priorities List (NPL)); State Response, including Military Facilities and State Superfund; Voluntary Cleanup; and School sites. EnviroStor provides similar information to the information that was available in CalSites, and provides additional site information, including, but not limited to, identification of formerly-contaminated properties that have been released for reuse, properties where environmental deed restrictions have been recorded to prevent inappropriate land uses, and risk characterization information that is used to assess potential impacts to public health and the environment at contaminated sites.

A review of the ENVIROSTOR list, as provided by EDR, and dated 07/25/2022 has revealed that there are 11 ENVIROSTOR sites within approximately 1 mile of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
HUES METAL FINISHING Facility Id: 71002362 Status: Inactive - Needs Evaluation	***977 LINDA VISTA DR***	***S 0 - 1/8 (0.020 mi.)***	***B55***	***160***
SAN MARCOS CAL STATE Facility Id: 37020001 Status: Refer: RWQCB	800 WEST VALLECITOS	E 1/8 - 1/4 (0.249 mi.)	151	1168
SIGNET ARMORLITE, IN Facility Id: 80001570 Status: Refer: RWQCB	***1001 ARMORLITE DRIVE***	***NNE 1/4 - 1/2 (0.287 mi.)***	***X162***	***1332***
670 SAN MARCOS BLVD. Facility Id: 37000068 Status: Refer: 1248 Local Agency	670 SAN MARCOS BLVD.	ESE 1/4 - 1/2 (0.373 mi.)	AE173	1469
TORREY CHEMICAL CO. Facility Id: 37510137 Status: Refer: Other Agency	217 LAS POSAS ROAD	NNW 1/4 - 1/2 (0.401 mi.)	AG179	1493
MACDERMID PRINTING S Facility Id: 71002510 Status: Inactive - Needs Evaluation	***260 SOUTH PACIFIC ST***	***W 1/2 - 1 (0.595 mi.)***	***190***	***1747***
SAN MARCOS UNIFIED S Facility Id: 60002596 Status: No Further Action	***SOUTHWEST CORNER OF***	***ENE 1/2 - 1 (0.713 mi.)***	***191***	***1770***
SAN MARCOS ACADEMY A Facility Id: 60000126 Facility Id: 37650004 Status: No Further Action	***300 W. SAN MARCOS BO***	***E 1/2 - 1 (0.898 mi.)***	***196***	***2033***

Lower Elevation	Address	Direction / Distance	Map ID	Page
NO. CO. HEALTH SVCS. Facility Id: 37800068	BOARDWALK & PARK PLA	S 1/8 - 1/4 (0.182 mi.)	117	847

Status: No Action Required

HUGHES CIRCUITS INC	***540 S PACIFIC ST***	***WSW 1/2 - 1 (0.759 mi.)***	***192***	***1773***
Facility Id: 71003390				
Status: Inactive - Needs Evaluation				
SINGER CO, KEARFOTT	***1370 SAN MARCOS BLVD***	***SW 1/2 - 1 (0.885 mi.)***	***AJ195***	***2026***
Facility Id: 80001395				
Facility Id: 37370110				
Status: Refer: RWQCB				
Status: Refer: RCRA				

Lists of state and tribal landfills and solid waste disposal facilities

SWF/LF: The Solid Waste Facilities/Landfill Sites records typically contain an inventory of solid waste disposal facilities or landfills in a particular state. The data come from the Integrated Waste Management Board's Solid Waste Information System (SWIS) database.

A review of the SWF/LF list, as provided by EDR, has revealed that there are 3 SWF/LF sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
MASHBURN SANITATION	***224 LAS POSAS RD***	***W 1/4 - 1/2 (0.276 mi.)***	***AA156***	***1186***
Database: SWF/LF (SWIS), Date of Government Version: 08/08/2022				
Database: SAN DIEGO CO. LF, Date of Government Version: 10/27/2021				
Facility ID: 37-AA-0969				
Operational Status: Active				
Operational Status: ACTIVE				
Regulation Status: Notification				
Facility Status: ACTIVE SITES				
MASHBURN SANITATION	***224 LAS POSAS ROAD***	***W 1/4 - 1/2 (0.276 mi.)***	***AA157***	***1190***
Database: SAN DIEGO CO. LF, Date of Government Version: 10/27/2021				
Operational Status: ACTIVE				
Facility Status: ACTIVE SITES				
SOLID WASTE SERVICES	***224 S LAS POSAS RD***	***W 1/4 - 1/2 (0.276 mi.)***	***AA158***	***1191***
Database: SWF/LF (SWIS), Date of Government Version: 08/08/2022				
Facility ID: 37-AA-0953				
Operational Status: Active				
Regulation Status: Permitted				

Lists of state and tribal leaking storage tanks

LUST: Leaking Underground Storage Tank (LUST) Sites included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

A review of the LUST list, as provided by EDR, has revealed that there are 37 LUST sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
AMERICAN FENCE CO	***1075 GRAND AV***	***NW 0 - 1/8 (0.014 mi.)***	***C50***	***140***
Database: LUST, Date of Government Version: 05/23/2022				

Status: Completed - Case Closed
Global Id: T0607300116

AMERICAN FENCE CO ***1075 GRAND AVE*** ***NW 0 - 1/8 (0.014 mi.)*** ***C51*** ***142***
Database: LUST REG 9, Date of Government Version: 03/01/2001
Status: Case Closed
Case Number: 9UT1109
Closed Date: 6/15/92

MORALLY WHOLESALE ***975 LINDA VISTA DR*** ***S 0 - 1/8 (0.065 mi.)*** ***J72*** ***492***
Database: LUST REG 9, Date of Government Version: 03/01/2001
Database: LUST, Date of Government Version: 05/23/2022
Status: Completed - Case Closed
Status: Case Closed
Global Id: T0607300772
Case Number: 9UT1999
Closed Date: 2/28/97

SKS, SAN MARCOS ***875 W GRAND AV*** ***ESE 0 - 1/8 (0.100 mi.)*** ***N94*** ***700***
Database: LUST REG 9, Date of Government Version: 03/01/2001
Database: LUST, Date of Government Version: 05/23/2022
Status: Completed - Case Closed
Status: Case Closed
Global Id: T0607300829
Global Id: T06019794315
Global Id: T10000009279
Case Number: 9UT2059
Closed Date: 1/31/96

JUDD WIRE ***870 LOS VALLECITOS B*** ***E 0 - 1/8 (0.109 mi.)*** ***K97*** ***740***
Database: LUST REG 9, Date of Government Version: 03/01/2001
Status: Case Closed
Case Number: 9UT1424
Closed Date: 8/31/90

JUDD WIRE ***870 LOS VALLECITOS*** ***E 0 - 1/8 (0.109 mi.)*** ***K98*** ***744***
Database: LUST, Date of Government Version: 05/23/2022
Status: Completed - Case Closed
Global Id: T0607300257

WALTER TRUCKING, INC ***173 S BENT AV*** ***SE 1/8 - 1/4 (0.197 mi.)*** ***R119*** ***849***
Database: LUST, Date of Government Version: 05/23/2022
Status: Completed - Case Closed
Global Id: T0607300359

R.D. WALTER TRUCKING ***174 BENT*** ***SE 1/8 - 1/4 (0.221 mi.)*** ***R125*** ***867***
Database: LUST REG 9, Date of Government Version: 03/01/2001
Status: Case Closed
Case Number: 9UT1540
Closed Date: 11/3/95

VALLECITOS WATER DIS ***788 SAN MARCOS BL*** ***SE 1/4 - 1/2 (0.272 mi.)*** ***Y152*** ***1170***
Database: LUST REG 9, Date of Government Version: 03/01/2001
Status: Case Closed
Case Number: 9UT817
Closed Date: 9/12/88

VALLECITOS WATER DIS ***788 SAN MARCOS BL*** ***SE 1/4 - 1/2 (0.272 mi.)*** ***Y153*** ***1171***
Database: LUST, Date of Government Version: 05/23/2022
Status: Completed - Case Closed
Global Id: T0607303068

TLC CARWASH ***740 W SAN MARCOS BL*** ***ESE 1/4 - 1/2 (0.273 mi.)*** ***155*** ***1173***
Database: LUST, Date of Government Version: 05/23/2022

Status: Completed - Case Closed
Global Id: T06019784786

MASHBURN SANITATION ***224 LAS POSAS RD*** ***W 1/4 - 1/2 (0.276 mi.)*** ***AA156*** ***1186***
Database: LUST REG 9, Date of Government Version: 03/01/2001
Status: Case Closed
Case Number: 9UT1425
Case Number: 9UT2285
Closed Date: 2/11/98

SOLID WASTE SERVICES ***224 S LAS POSAS RD*** ***W 1/4 - 1/2 (0.276 mi.)*** ***AA158*** ***1191***
Database: LUST, Date of Government Version: 05/23/2022
Status: Completed - Case Closed
Global Id: T0607302493
Global Id: T0607301051
Global Id: T0607300258

SIGNET ARMORLITE, IN ***1001 ARMORLITE DRIVE*** ***NNE 1/4 - 1/2 (0.287 mi.)*** ***X162*** ***1332***
Database: LUST REG 9, Date of Government Version: 03/01/2001
Database: LUST, Date of Government Version: 05/23/2022
Status: Completed - Case Closed
Status: Case Closed
Global Id: T0607302793
Case Number: 9UT493
Closed Date: 9/22/86

SAN DIEGO AUTO CENTE ***755 SAN MARCOS BL*** ***SE 1/4 - 1/2 (0.305 mi.)*** ***Y163*** ***1431***
Database: LUST, Date of Government Version: 05/23/2022
Status: Completed - Case Closed
Global Id: T0607302677

SAN MARCOS AUTO CENT ***747 SAN MARCOS BLVD*** ***SE 1/4 - 1/2 (0.309 mi.)*** ***Y164*** ***1434***
Database: LUST REG 9, Date of Government Version: 03/01/2001
Status: Preliminary site assessment workplan submitted
Case Number: 9UT3917

CREST BEVERAGE ***1152 ARMORLITE DR*** ***N 1/4 - 1/2 (0.309 mi.)*** ***165*** ***1435***
Database: LUST REG 9, Date of Government Version: 03/01/2001
Database: LUST, Date of Government Version: 05/23/2022
Status: Completed - Case Closed
Status: Case Closed
Global Id: T0607300256
Case Number: 9UT1422
Closed Date: 5/31/90

DEWEY PEST CONTROL ***1370 GRAND AVENUE*** ***WNW 1/4 - 1/2 (0.343 mi.)*** ***AB168*** ***1448***
Database: LUST REG 9, Date of Government Version: 03/01/2001
Status: Case Closed
Case Number: 9UT301
Closed Date: 8/26/87

ABANDONED GASOLINE S ***670 W SAN MARCOS BL*** ***ESE 1/4 - 1/2 (0.373 mi.)*** ***AE174*** ***1470***
Database: LUST, Date of Government Version: 05/23/2022
Status: Completed - Case Closed
Global Id: T0607399256

SHELL ***679 SAN MARCOS BL*** ***ESE 1/4 - 1/2 (0.393 mi.)*** ***AF177*** ***1475***
Database: LUST, Date of Government Version: 05/23/2022
Status: Completed - Case Closed
Global Id: T06019781381
Global Id: T0619738267

AIR PRODUCTS AND CHE ***1415 GRAND AVE*** ***WNW 1/4 - 1/2 (0.403 mi.)*** ***AH180*** ***1495***
Database: LUST REG 9, Date of Government Version: 03/01/2001

Status: Case Closed
Case Number: 9UT1661
Closed Date: 2/4/91

L AND V INDUSTRIAL S ***1415 GRAND AVE*** ***WNW 1/4 - 1/2 (0.403 mi.)*** ***AH181*** ***1498***
Database: LUST, Date of Government Version: 05/23/2022
Status: Completed - Case Closed
Global Id: T0607300476

ABANDONED GASOLINE S 670 SAM MARCOS BLVD ESE 1/4 - 1/2 (0.405 mi.) AE182 1527
Database: LUST REG 9, Date of Government Version: 03/01/2001
Status: Preliminary site assessment workplan submitted
Case Number: 9UT4084

MASHBURN WASTE 224 LAS POSAS RD S NNW 1/4 - 1/2 (0.412 mi.) AG183 1527
Database: LUST REG 9, Date of Government Version: 03/01/2001
Status: Preliminary site assessment workplan submitted
Case Number: 9UT3726

TEXACO 615 SAN MARCOS BLVD ESE 1/4 - 1/2 (0.428 mi.) AE184 1528
Database: LUST REG 9, Date of Government Version: 03/01/2001
Status: Preliminary site assessment underway
Case Number: 9UT2313

SAN MARCOS TEXACO ***583 GRAND AVE*** ***ESE 1/4 - 1/2 (0.442 mi.)*** ***186*** ***1529***
Database: LUST, Date of Government Version: 05/23/2022
Status: Completed - Case Closed
Global Id: T0607300537

SAN MARCOS GAS ***1290 W MISSION RD*** ***NNW 1/4 - 1/2 (0.490 mi.)*** ***AI187*** ***1538***
Database: LUST, Date of Government Version: 05/23/2022
Status: Completed - Case Closed
Global Id: T0607383730

PALOMAR COMMUNITY CO ***1140 E MISSION RD*** ***NE 1/4 - 1/2 (0.496 mi.)*** ***189*** ***1591***
Database: LUST REG 9, Date of Government Version: 03/01/2001
Database: LUST, Date of Government Version: 05/23/2022
Status: Completed - Case Closed
Status: Case Closed
Global Id: T0607300263
Global Id: T0607301391
Case Number: 9UT1436
Case Number: 9UT2643
Closed Date: 4/2/91
Closed Date: 3/22/96

Lower Elevation	Address	Direction / Distance	Map ID	Page

ASTLEFORD CONSTRUCTI ***1010 LINDA VISTA DR*** ***0 - 1/8 (0.000 mi.)*** ***B15*** ***32***
Database: LUST, Date of Government Version: 05/23/2022
Status: Completed - Case Closed
Global Id: T10000006374

SIX TO SIX EQUIPMENT 175 VIA VERA CRUZ S WNW 0 - 1/8 (0.084 mi.) L77 545
Database: LUST REG 9, Date of Government Version: 03/01/2001
Status: Case Closed
Case Number: 9UT2954
Closed Date: 11/14/96

SIX TO SIX EQUIP REN ***175 VIA VERA CRUZ*** ***WNW 0 - 1/8 (0.084 mi.)*** ***L78*** ***546***
Database: LUST REG 9, Date of Government Version: 03/01/2001
Database: LUST, Date of Government Version: 05/23/2022

Status: Completed - Case Closed
Status: Case Closed
Global Id: T0607302950
Global Id: T0607301721
Case Number: 9UT681
Closed Date: 10/23/89

CLARENCE OCHS,INC. 145 VIA VERA CRUZ WNW 1/8 - 1/4 (0.126 mi.) L102 752
Database: LUST REG 9, Date of Government Version: 03/01/2001
Status: Preliminary site assessment underway
Case Number: 9UT3651

CLARENCE OCHS OIL ***145 VIA VERA CRUZ*** ***WNW 1/8 - 1/4 (0.126 mi.)*** ***L107*** ***810***
Database: LUST, Date of Government Version: 05/23/2022
Status: Completed - Case Closed
Global Id: T0607302416

FIRST NATIONAL BANK ***885 SAN MARCOS BLVD*** ***SSE 1/4 - 1/2 (0.281 mi.)*** ***Z159*** ***1323***
Database: LUST REG 9, Date of Government Version: 03/01/2001
Status: Case Closed
Case Number: 9UT2319
Closed Date: 5/10/94

FIRST NATIONAL BANK ***885 SAN MARCOS*** ***SSE 1/4 - 1/2 (0.281 mi.)*** ***Z160*** ***1325***
Database: LUST, Date of Government Version: 05/23/2022
Status: Completed - Case Closed
Global Id: T0607301088

LLOYD PEST CONTROL ***223 S BENT AV*** ***SE 1/4 - 1/2 (0.336 mi.)*** ***AC167*** ***1445***
Database: LUST, Date of Government Version: 05/23/2022
Status: Completed - Case Closed
Global Id: T0607302025

LLOYD PEST CONTROL ***223 BENT*** ***SE 1/4 - 1/2 (0.346 mi.)*** ***AC170*** ***1461***
Database: LUST REG 9, Date of Government Version: 03/01/2001
Status: Case Closed
Case Number: 9UT3270
Closed Date: 7/11/00

SAN DIEGO CO. SAM: The listing contains all underground tank release cases and projects pertaining to properties contaminated with hazardous substances that are actively under review by the Site Assessment and Mitigation Program.

A review of the SAN DIEGO CO. SAM list, as provided by EDR, and dated 03/23/2010 has revealed that there are 26 SAN DIEGO CO. SAM sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
AMERICAN FENCE CO	***1075 GRAND AV***	***NW 0 - 1/8 (0.014 mi.)***	***C49***	***131***
Case Number: H04437-001				
Facility Status: Closed Case				
SPANJIAN/ DUFOUR	***1050 LOS VALLECITOS***	***NNW 0 - 1/8 (0.061 mi.)***	***G68***	***473***
Case Number: H29237-001				
Facility Status: Remedial Action (Clean-Up)				
MORALLY WHOLESALE	***975 LINDA VISTA DR***	***S 0 - 1/8 (0.065 mi.)***	***J72***	***492***
Case Number: H22855-001				
Facility Status: Closed Case				
SKS, SAN MARCOS	***875 W GRAND AV***	***ESE 0 - 1/8 (0.100 mi.)***	***N94***	***700***

Case Number: H20785-002 Case Number: H20785-001 Facility Status: Remedial Investigation Facility Status: Closed Case				
JUDD WIRE Case Number: H06459-001 Facility Status: Closed Case	***870 LOS VALLECITOS B***	***E 0 - 1/8 (0.109 mi.)***	***K97***	***740***
WALTER TRUCKING, INC Case Number: H02912-001 Facility Status: Closed Case	***173 S BENT AV***	***SE 1/8 - 1/4 (0.197 mi.)***	***R119***	***849***
VALLECITOS WATER DIS Case Number: H03763-001 Facility Status: Closed Case	***788 SAN MARCOS BL***	***SE 1/4 - 1/2 (0.272 mi.)***	***Y152***	***1170***
TLC CARWASH Case Number: -511337 Facility Status: Leak Being Confirmed	***740 W SAN MARCOS BL***	***ESE 1/4 - 1/2 (0.273 mi.)***	***155***	***1173***
SOLID WASTE SERVICES Case Number: H10646-001 Case Number: H10646-003 Case Number: H10646-002 Case Number: H10646-004 Facility Status: Closed Case	***224 S LAS POSAS RD***	***W 1/4 - 1/2 (0.276 mi.)***	***AA158***	***1191***
SIGNET ARMORLITE, IN Case Number: H02662-002 Case Number: H02662-001 Facility Status: Leak Being Confirmed Facility Status: Closed Case	***1001 ARMORLITE DRIVE***	***NNE 1/4 - 1/2 (0.287 mi.)***	***X162***	***1332***
SAN DIEGO AUTO CENTE Case Number: H26610-001 Facility Status: Closed Case	***755 SAN MARCOS BL***	***SE 1/4 - 1/2 (0.305 mi.)***	***Y163***	***1431***
CREST BEVERAGE Case Number: H20781-001 Facility Status: Closed Case	***1152 ARMORLITE DR***	***N 1/4 - 1/2 (0.309 mi.)***	***165***	***1435***
DEWEY PEST CONTROL Case Number: H04345-001 Facility Status: Closed Case	***1370 GRAND AVENUE***	***WNW 1/4 - 1/2 (0.343 mi.)***	***AB168***	***1448***
JAKE STAGG Case Number: H06559-001 Facility Status: Closed Case	***935 BAILEY CT.***	***NNE 1/4 - 1/2 (0.354 mi.)***	***171***	***1462***
VACANT LOT Case Number: H25926-001 Facility Status: Closed Case	***199 LAS POSAS RD***	***NNW 1/4 - 1/2 (0.360 mi.)***	***AD172***	***1468***
ABANDONED GASOLINE S Case Number: H20796-001 Case Number: H20796-002 Facility Status: Closed Case	***670 W SAN MARCOS BL***	***ESE 1/4 - 1/2 (0.373 mi.)***	***AE174***	***1470***
COCA COLA ENTERPISES Case Number: H36816-001 Facility Status: Closed Case	LAS POSAS/ARMORLITE	NNW 1/4 - 1/2 (0.381 mi.)	AD175	1474
SHELL	***679 SAN MARCOS BLVD***	***ESE 1/4 - 1/2 (0.393 mi.)***	***AF176***	***1474***

Case Number: H32284-002
Facility Status: Preliminary Assessment

SHELL	***679 SAN MARCOS BL***	***ESE 1/4 - 1/2 (0.393 mi.)***	***AF177***	***1475***
Case Number: H32284-001 Facility Status: Closed Case				
L AND V INDUSTRIAL S	***1415 GRAND AVE***	***WNW 1/4 - 1/2 (0.403 mi.)***	***AH181***	***1498***
Case Number: H02614-001 Facility Status: Closed Case				
SAN MARCOS GAS	***1290 W MISSION RD***	***NNW 1/4 - 1/2 (0.490 mi.)***	***AI187***	***1538***
Case Number: H25233-001 Facility Status: Preliminary Assessment				
PALOMAR COMMUNITY CO	***1140 E MISSION RD***	***NE 1/4 - 1/2 (0.496 mi.)***	***189***	***1591***
Case Number: H03452-001 Case Number: H03452-002 Facility Status: Closed Case				

Lower Elevation	Address	Direction / Distance	Map ID	Page
SIX TO SIX EQUIP REN	***175 VIA VERA CRUZ***	***WNW 0 - 1/8 (0.084 mi.)***	***L78***	***546***
Case Number: H02554-002 Case Number: H02554-001 Facility Status: Closed Case				
CLARENCE OCHS OIL	***145 VIA VERA CRUZ***	***WNW 1/8 - 1/4 (0.126 mi.)***	***L103***	***753***
Case Number: H05072-001 Facility Status: Remedial Investigation				
FIRST NATIONAL BANK	***885 SAN MARCOS BLVD***	***SSE 1/4 - 1/2 (0.281 mi.)***	***Z159***	***1323***
Case Number: H32266-001 Facility Status: Closed Case				
LLOYD PEST CONTROL	***223 S BENT AV***	***SE 1/4 - 1/2 (0.336 mi.)***	***AC167***	***1445***
Case Number: H11497-001 Facility Status: Closed Case				

CPS-SLIC: Cleanup Program Sites (CPS; also known as Site Cleanups [SC] and formerly known as Spills, Leaks, Investigations, and Cleanups [SLIC] sites) included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

A review of the CPS-SLIC list, as provided by EDR, has revealed that there are 11 CPS-SLIC sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
CRIBWALL COMPANY SIT	***1023 GRAND AVENUE***	***0 - 1/8 (0.000 mi.)***	***C22***	***78***
Database: CPS-SLIC, Date of Government Version: 05/23/2022 Global Id: T10000003271 Facility Status: Completed - Case Closed				
GRAND AVENUE METAL I	***1031 GRAND AVENUE***	***0 - 1/8 (0.000 mi.)***	***C25***	***83***
Database: CPS-SLIC, Date of Government Version: 05/23/2022 Global Id: T10000003199 Facility Status: Completed - Case Closed				
SPANJIAN/ DUFOUR	***1050 LOS VALLECITOS***	***NNW 0 - 1/8 (0.061 mi.)***	***G68***	***473***
Database: SLIC REG 9, Date of Government Version: 09/10/2007 Database: CPS-SLIC, Date of Government Version: 05/23/2022				

Global Id: SL0607396081
Facility Status: Completed - Case Closed
Status: Dead
Status: Open

SOLID WASTE SERVICES	***224 S LAS POSAS RD***	***W 1/4 - 1/2 (0.276 mi.)***	***AA158***	***1191***
Database: CPS-SLIC, Date of Government Version: 05/23/2022 Global Id: T0608184522 Facility Status: Completed - Case Closed				
SIGNET ARMORLITE, IN	1001 ARMORLITE DR.	NNE 1/4 - 1/2 (0.287 mi.)	X161	1326
Database: SLIC REG 9, Date of Government Version: 09/10/2007 Status: Open Status: Dead Status: Closed				
SIGNET ARMORLITE, IN	***1001 ARMORLITE DRIVE***	***NNE 1/4 - 1/2 (0.287 mi.)***	***X162***	***1332***
Database: CPS-SLIC, Date of Government Version: 05/23/2022 Global Id: SL209154190 Global Id: T10000003706 Facility Status: Completed - Case Closed				
COLUCCI DEVELOPMENT	1325 GRAND AVE	WNW 1/4 - 1/2 (0.327 mi.)	AB166	1445
Database: SLIC REG 9, Date of Government Version: 09/10/2007 Status: Dead				
DEWEY PEST CONTROL	***1370 GRAND AVENUE***	***WNW 1/4 - 1/2 (0.343 mi.)***	***AB168***	***1448***
Database: CPS-SLIC, Date of Government Version: 05/23/2022 Global Id: T0607301777 Facility Status: Completed - Case Closed				
COCA COLA ENTERPISES	***NONE LAS POSAS/ARMOR***	***NNW 1/4 - 1/2 (0.345 mi.)***	***AD169***	***1461***
Database: CPS-SLIC, Date of Government Version: 05/23/2022 Global Id: T0608184290 Facility Status: Completed - Case Closed				
JAKE STAGG	***935 BAILEY CT.***	***NNE 1/4 - 1/2 (0.354 mi.)***	***171***	***1462***
Database: CPS-SLIC, Date of Government Version: 05/23/2022 Global Id: T0608199583 Facility Status: Completed - Case Closed				
ABANDONED GASOLINE S	***670 W SAN MARCOS BL***	***ESE 1/4 - 1/2 (0.373 mi.)***	***AE174***	***1470***
Database: CPS-SLIC, Date of Government Version: 05/23/2022 Global Id: T06019756054 Facility Status: Completed - Case Closed				

Lists of state and tribal registered storage tanks

UST: The Underground Storage Tank database contains registered USTs. USTs are regulated under Subtitle I of the Resource Conservation and Recovery Act (RCRA). The data come from the State Water Resources Control Board's Hazardous Substance Storage Container Database.

A review of the UST list, as provided by EDR, has revealed that there are 3 UST sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
PACIFIC PRIDE, SKS,	875 W GRAND AVE	ESE 0 - 1/8 (0.100 mi.)	N90	696
Database: UST, Date of Government Version: 06/06/2022				

Facility Id: 37-000-120785

PACIFIC PRIDE, SKS,	875 GRAND AVE	ESE 0 - 1/8 (0.100 mi.)	N93	699
Database: UST, Date of Government Version: 06/06/2022				
Facility Id: H20785				

Lower Elevation	Address	Direction / Distance	Map ID	Page
SOUTHERN COUNTIES LU	145 VIA VERA CRUZ	WNW 1/8 - 1/4 (0.126 mi.)	L104	806
Database: UST, Date of Government Version: 06/06/2022				
Facility Id: 37-000-105072				

AST: A listing of aboveground storage tank petroleum storage tank locations.

A review of the AST list, as provided by EDR, has revealed that there are 3 AST sites within approximately 0.25 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
ASTLEFORD CONSTRUCTI	***1010 LINDA VISTA DR***	***0 - 1/8 (0.000 mi.)***	***B15***	***32***
Database: AST, Date of Government Version: 07/06/2016				
NUTRIEN AG SOLUTIONS	***1015 LINDA VISTA DR***	***SW 0 - 1/8 (0.021 mi.)***	***B63***	***229***
Database: AST, Date of Government Version: 07/06/2016				
SOUTHERN COUNTIES LU	145 VIA VERA CRUZ	WNW 1/8 - 1/4 (0.126 mi.)	L105	807
Database: AST, Date of Government Version: 07/06/2016				

ADDITIONAL ENVIRONMENTAL RECORDS

Local Lists of Landfill / Solid Waste Disposal Sites

SWRCY: A listing of recycling facilities in California.

A review of the SWRCY list, as provided by EDR, and dated 06/06/2022 has revealed that there is 1 SWRCY site within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
SOLID WASTE SERVICES	***224 S LAS POSAS RD***	***W 1/4 - 1/2 (0.276 mi.)***	***AA158***	***1191***
Cert Id: RC12179				

Local Lists of Hazardous waste / Contaminated Sites

San Diego Co. HMMD: The Hazardous Materials Management Division Database comes from the Hazardous Materials Management Division.

A review of the San Diego Co. HMMD list, as provided by EDR, and dated 05/31/2022 has revealed that there are 10 San Diego Co. HMMD sites within approximately 0.001 miles of the target property.

EXECUTIVE SUMMARY

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
RUDYS RADIATOR SHOP	***1057 GRAND AVE***	***0 - 1/8 (0.000 mi.)***	***C26***	***84***
SAN MARCOS POLISHING	1043 GRAND AV	0 - 1/8 (0.000 mi.)	C30	94
AUTO TUNE	931 GRAND AV	0 - 1/8 (0.000 mi.)	E32	97
DR.TRANS	1031 W GRAND AV	0 - 1/8 (0.000 mi.)	C35	101
B & R PORSCHE	1055 GRAND AV	0 - 1/8 (0.000 mi.)	C37	103
GLOBAL TRANSMISSIONS	1031 W GRAND AV	0 - 1/8 (0.000 mi.)	C38	104
JERRY'S EQUIPMENT	1025 GRAND AV	0 - 1/8 (0.000 mi.)	C39	106
COMPUTER EDGE AUTOMO	1051 GRAND AV	0 - 1/8 (0.000 mi.)	C43	112
JOHNS MOBILE	***1049 GRAND AVE***	***0 - 1/8 (0.000 mi.)***	***C44***	***113***

Lower Elevation	Address	Direction / Distance	Map ID	Page
ASTLEFORD CONSTRUCTI	***1010 LINDA VISTA DR***	***0 - 1/8 (0.000 mi.)***	***B15***	***32***

CERS HAZ WASTE: List of sites in the California Environmental Protection Agency (CalEPA) Regulated Site Portal which fall under the Hazardous Chemical Management, Hazardous Waste Onsite Treatment, Household Hazardous Waste Collection, Hazardous Waste Generator, and RCRA LQ HW Generator programs.

A review of the CERS HAZ WASTE list, as provided by EDR, and dated 07/18/2022 has revealed that there are 24 CERS HAZ WASTE sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
HUES METAL FINISHING	***977 LINDA VISTA DR***	***S 0 - 1/8 (0.020 mi.)***	***B55***	***160***
BIGGS HARLEY DAVIDSO	***1040 LOS VALLECITOS***	***NNW 0 - 1/8 (0.061 mi.)***	***F65***	***452***
COSTCO BUSINESS CENT	***150 S BENT AVE***	***SE 1/8 - 1/4 (0.149 mi.)***	***O111***	***825***
BREE ENGINEERING COR	135 VALLECITOS DE OR	ENE 1/8 - 1/4 (0.214 mi.)	U123	863
SPROUTS FARMERS MARK	***149 SOUTH LAS POSAS***	***WNW 1/8 - 1/4 (0.230 mi.)***	***V132***	***892***
PARTY CITY #661 SAN	***157 S LAS POSAS RD***	***NW 1/8 - 1/4 (0.235 mi.)***	***W137***	***969***
MARSHALLS 0502	***161 S LAS POSAS RD***	***NW 1/8 - 1/4 (0.238 mi.)***	***W139***	***989***
BED, BATH AND BEYOND	***165 S LAS POSAS RD***	***NW 1/8 - 1/4 (0.239 mi.)***	***W142***	***1036***
NORDSTROM RACK #383	***173 S LAS POSAS RD***	***NW 1/8 - 1/4 (0.240 mi.)***	***W144***	***1089***
ROSS DRESS FOR LESS	***181 S LAS POSAS RD***	***NW 1/8 - 1/4 (0.240 mi.)***	***W147***	***1103***
ULTA BEAUTY #244 (SA	***185 SOUTH LAS POSAS***	***NW 1/8 - 1/4 (0.241 mi.)***	***W149***	***1163***

Lower Elevation	Address	Direction / Distance	Map ID	Page
PROGRESS METAL FABRI	***1020 LINDA VISTA DR***	***SW 0 - 1/8 (0.015 mi.)***	***B54***	***153***
ADVANCED HONEYCOMB T	***1015 LINDA VISTA DR***	***SW 0 - 1/8 (0.021 mi.)***	***B59***	***220***
NUTRIEN AG SOLUTIONS	***1015 LINDA VISTA DR***	***SW 0 - 1/8 (0.021 mi.)***	***B63***	***229***
DUSK TO DAWN MOTOCYC	***1050 LINDA VISTA DR***	***WSW 0 - 1/8 (0.065 mi.)***	***I71***	***485***
BLACK OXIDE SERVICE,	***1070 LINDA VISTA DR***	***WSW 0 - 1/8 (0.078 mi.)***	***I76***	***510***
SIX TO SIX EQUIP REN	***175 S VIA VERA CRUZ***	***WNW 0 - 1/8 (0.084 mi.)***	***L79***	***551***
AMISTAR	***237 VIA VERA CRUZ***	***W 0 - 1/8 (0.097 mi.)***	***M82***	***569***
BRAKE STOP & AUTO RE	***207 VIA VERA CRUZ***	***W 0 - 1/8 (0.097 mi.)***	***L85***	***639***
MIRI CORPORATION	***1080 LINDA VISTA DR***	***WSW 0 - 1/8 (0.100 mi.)***	***I89***	***684***
CLARENCE OCHS OIL	***145 VIA VERA CRUZ***	***WNW 1/8 - 1/4 (0.126 mi.)***	***L103***	***753***
TRIPLE TAKE HOLOGRAP	***1070 COMMERCE ST***	***SW 1/8 - 1/4 (0.135 mi.)***	***P109***	***817***
METAL ETCH SERVICES	***1165 LINDA VISTA DR***	***WSW 1/8 - 1/4 (0.230 mi.)***	***S130***	***877***
PETCO STORE #1154	***141 S LAS POSAS RD***	***WNW 1/8 - 1/4 (0.230 mi.)***	***V134***	***931***

Local Lists of Registered Storage Tanks

SWEEPS UST: Statewide Environmental Evaluation and Planning System. This underground storage tank listing was updated and maintained by a company contacted by the SWRCB in the early 1990's. The listing is no longer updated or maintained. The local agency is the contact for more information on a site on the SWEEPS list.

A review of the SWEEPS UST list, as provided by EDR, and dated 06/01/1994 has revealed that there are 9 SWEEPS UST sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
AMERICAN FENCE CO Status: A Comp Number: 4437	***1075 GRAND AVE***	***NW 0 - 1/8 (0.014 mi.)***	***C51***	***142***
MORALLY WHOLESALE Status: A Comp Number: 22855	***975 LINDA VISTA DR***	***S 0 - 1/8 (0.065 mi.)***	***J72***	***492***
PACIFIC PRIDE, SKS, Status: A Tank Status: A Comp Number: 20785	***875 W GRAND AVE***	***ESE 0 - 1/8 (0.100 mi.)***	***N92***	***697***
JUDD WIRE Status: A Comp Number: 6459	***870 LOS VALLECITOS B***	***E 0 - 1/8 (0.109 mi.)***	***K97***	***740***
WALTER TRUCKING, INC Status: A Comp Number: 2912	***173 S BENT AVE***	***SE 1/8 - 1/4 (0.197 mi.)***	***R118***	***848***

Lower Elevation	Address	Direction / Distance	Map ID	Page
ASTLEFORD CONSTRUCTI Status: A Comp Number: 3728	***1010 LINDA VISTA DR***	***0 - 1/8 (0.000 mi.)***	***B15***	***32***
PARKSON DIVISION Status: A Comp Number: 8659	1015 LINDA VISTA RD	SW 0 - 1/8 (0.021 mi.)	B61	226
SIX TO SIX EQUIP REN Status: A Tank Status: A Comp Number: 2554	***175 S VIA VERA CRUZ***	***WNW 0 - 1/8 (0.084 mi.)***	***L79***	***551***
CLARENCE OCHS OIL Status: A Tank Status: A Comp Number: 5072	***145 VIA VERA CRUZ***	***WNW 1/8 - 1/4 (0.126 mi.)***	***L103***	***753***

HIST UST: Historical UST Registered Database.

A review of the HIST UST list, as provided by EDR, and dated 10/15/1990 has revealed that there are 7 HIST UST sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
BRACKMAN FUEL CENTER Facility Id: 00000018119	875 GRAND AVE	ESE 0 - 1/8 (0.100 mi.)	N91	696
SKS, SAN MARCOS	***875 W GRAND AV***	***ESE 0 - 1/8 (0.100 mi.)***	***N94***	***700***
R D WALTER TRUCKINGI Facility Id: 00000002174	174 SO BENT AVE	SE 1/8 - 1/4 (0.226 mi.)	R126	868
SIGNET - ARMORLITE I Facility Id: 00000058926	***130 N BINGHAM DRIVE***	***NNE 1/8 - 1/4 (0.238 mi.)***	***X141***	***1032***

Lower Elevation	Address	Direction / Distance	Map ID	Page
ASTLEFORD CONSTRUCTI Facility Id: 00000051756	***1010 LINDA VISTA DR***	***0 - 1/8 (0.000 mi.)***	***B15***	***32***
PARKSON DIVISION Facility Id: 00000006924	***1015 LINDA VISTA DR***	***SW 0 - 1/8 (0.021 mi.)***	***B58***	***208***
CLARENCE OCHS OIL Facility Id: 00000002183	***145 VIA VERA CRUZ***	***WNW 1/8 - 1/4 (0.126 mi.)***	***L103***	***753***

CERS TANKS: List of sites in the California Environmental Protection Agency (CalEPA) Regulated Site Portal which fall under the Aboveground Petroleum Storage and Underground Storage Tank regulatory programs.

A review of the CERS TANKS list, as provided by EDR, and dated 07/18/2022 has revealed that there are 2 CERS TANKS sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
BIGGS HARLEY DAVIDSO	***1040 LOS VALLECITOS***	***NNW 0 - 1/8 (0.061 mi.)***	***F65***	***452***

Lower Elevation	Address	Direction / Distance	Map ID	Page
CLARENCE OCHS OIL	***145 VIA VERA CRUZ***	***WNW 1/8 - 1/4 (0.126 mi.)***	***L103***	***753***

Local Land Records

DEED: The use of recorded land use restrictions is one of the methods the DTSC uses to protect the public from unsafe exposures to hazardous substances and wastes .

A review of the DEED list, as provided by EDR, and dated 05/31/2022 has revealed that there is 1 DEED site within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
SIGNET ARMORLITE, IN Status: COMPLETED - CASE CLOSED Envirostor ID: T10000003706 Envirostor ID: SL209154190	***1001 ARMORLITE DRIVE***	***NNE 1/4 - 1/2 (0.287 mi.)***	***X162***	***1332***

Other Ascertainable Records

RCRA NonGen / NLR: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Non-Generators do not presently generate hazardous waste.

A review of the RCRA NonGen / NLR list, as provided by EDR, and dated 06/20/2022 has revealed that there are 40 RCRA NonGen / NLR sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
APEX IMPORT GARAGE EPA ID:: CAD981165962	***1003 GRAND AVE***	***0 - 1/8 (0.000 mi.)***	***D24***	***80***
SAN MARCOS INDIAN MO EPA ID:: CAL000455541	1040 LOS VALLECITOS	NNW 0 - 1/8 (0.061 mi.)	F64	449
AMERICAN MOTORHEAD I EPA ID:: CAL000359237	1040 LOS VALLECITOS	NNW 0 - 1/8 (0.061 mi.)	F66	468
HD SUPPLY CONSTRUCTI EPA ID:: CAR000167361	1139 GRAND AVE	NW 0 - 1/8 (0.063 mi.)	H69	478
FOUR SEASONS TREE CA EPA ID:: CAL000377821	975 LINDA VISTA DR	S 0 - 1/8 (0.065 mi.)	J73	503
LUMBER LIQUIDATORS/L EPA ID:: CAL000464919	860 LOS VALLECITOS B	ENE 0 - 1/8 (0.074 mi.)	K74	505
PACIFIC HOMES EPA ID:: CAC003105333	145 S BENT AVE	ESE 0 - 1/8 (0.106 mi.)	N95	731
JENNIFER VALDEZ EPA ID:: CAC003049969	1155 GRAND AVE	WNW 0 - 1/8 (0.116 mi.)	H99	745
FRY'S ELECTRONICS EPA ID:: CAL000437686	150 BENT AVE	ESE 0 - 1/8 (0.123 mi.)	O100	747
TEAMWORK ATHLETIC EPA ID:: CAC003030005	166 NEWPORT DR	NNW 1/8 - 1/4 (0.171 mi.)	113	838
MODERN BUILDERS SUPP EPA ID:: CAL000220831	825 GRAND AVE	ESE 1/8 - 1/4 (0.180 mi.)	116	845
RB III ASSOCIATES IN EPA ID:: CAL000376058	1248 LOS VALLECITOS	NW 1/8 - 1/4 (0.212 mi.)	T121	855
BREE ENGINEERING COR EPA ID:: CAL000463471	135 VALLECITOS DE OR	ENE 1/8 - 1/4 (0.214 mi.)	U124	865
SPROUTS FARMERS MARK EPA ID:: CAL000423979	149 S LAS POSAS RD	WNW 1/8 - 1/4 (0.230 mi.)	V131	890
LAS POSAS DENTAL PRA EPA ID:: CAL000430116	145 S LAS POSAS RD S	WNW 1/8 - 1/4 (0.230 mi.)	V135	964
PARTY CITY CORPORATI EPA ID:: CAL000417910	157 S LAS POSAS RD	NW 1/8 - 1/4 (0.235 mi.)	W136	967
MARSHALLS 0502 EPA ID:: CAL000401874	161 S LAS POSAS RD	NW 1/8 - 1/4 (0.238 mi.)	W140	1030
BED BATH & BEYOND #1 EPA ID:: CAL000363032	165 S LAS POSAS RD	NW 1/8 - 1/4 (0.239 mi.)	W143	1087
NORDSTROM RACK #383	173 S LAS POSAS RD	NW 1/8 - 1/4 (0.240 mi.)	W145	1098

EPA ID:: CAL000416739				
ORCHARD SUPPLY HARDW EPA ID:: CAL000426519	177 S LAS POSAS RD	NW 1/8 - 1/4 (0.240 mi.)	W146	1101
ROSS DRESS FOR LESS EPA ID:: CAL000397626	181 S LAS POSAS RD	NW 1/8 - 1/4 (0.240 mi.)	W148	1160
ULTA BEAUTY 244 EPA ID:: CAL000388862	185 S LAS POSAS RD	NW 1/8 - 1/4 (0.241 mi.)	W150	1166

Lower Elevation	Address	Direction / Distance	Map ID	Page
MISSION AUTO REPAIR EPA ID:: CAL000375579	1020B LINDA VISTA DR	SW 0 - 1/8 (0.015 mi.)	B53	151
ADVANCED HONEYCOMB T EPA ID:: CAL000449750	1015 LINDA VISTA DR	SW 0 - 1/8 (0.021 mi.)	B60	223
CROP PRODUCTION SERV EPA ID:: CAL000041392	1015 LINDA VISTA DR	SW 0 - 1/8 (0.021 mi.)	B62	227
SO CAL TRIKE CENTER EPA ID:: CAL000296994	1050 LINDA VISTA DR	WSW 0 - 1/8 (0.065 mi.)	I70	483
BLACK OXIDE SERVICE EPA ID:: CAD981425952	1070 LINDA VISTA DR	WSW 0 - 1/8 (0.078 mi.)	I75	508
SIX TO SIX INC EPA ID:: CAL000248479	175 VIA VERA CRUZ	WNW 0 - 1/8 (0.084 mi.)	L80	564
LARIOS MOBILE AUTO R EPA ID:: CAL000470842	1036 COMMERCE ST UNI	SSW 0 - 1/8 (0.094 mi.)	81	567
ONCORE MANUFACTURING EPA ID:: CAL000360819	237 VIA VERA CRUZ	W 0 - 1/8 (0.097 mi.)	M83	634
BRAKE STOP & AUTO RE EPA ID:: CAL000353195	207 VIA VERA CRUZ	W 0 - 1/8 (0.097 mi.)	L84	637
MIRI CORPORATION EPA ID:: CAL000369781	1080 LINDA VISTA DR	WSW 0 - 1/8 (0.100 mi.)	I86	666
PRECISE MANUFACTURIN EPA ID:: CAL000437121	1080 LINDA VISTA DR	WSW 0 - 1/8 (0.100 mi.)	I87	668
JEFFREY LEE EPA ID:: CAC003039124	145 VIA VERA CRUZ	WNW 1/8 - 1/4 (0.126 mi.)	L101	750
SOUTHERN COUNTIES LU EPA ID:: CAL000414271	145 VIA VERA CRUZ	WNW 1/8 - 1/4 (0.126 mi.)	L106	807
DDAM LLC DBA CALWEST EPA ID:: CAL000447051	1070 COMMERCE ST STE	SW 1/8 - 1/4 (0.135 mi.)	P108	815
STIGTEC EPA ID:: CAL000260343	1125 LINDA VISTA DR	WSW 1/8 - 1/4 (0.175 mi.)	Q115	842
LOVE BOAT SUSHI EPA ID:: CAC003097587	121 SOUTH LAS POSAS	WNW 1/8 - 1/4 (0.229 mi.)	V127	869
METAL ETCH SERVICES EPA ID:: CAL000304576	1165 LINDA VISTA DR	WSW 1/8 - 1/4 (0.230 mi.)	S128	871
PETCOACH #4501 EPA ID:: CAL000388242	141 S LAS POSAS RD	WNW 1/8 - 1/4 (0.230 mi.)	V133	928

EXECUTIVE SUMMARY

FINDS: The Facility Index System contains both facility information and "pointers" to other sources of information that contain more detail. These include: RCRIS; Permit Compliance System (PCS); Aerometric Information Retrieval System (AIRS); FATES (FIFRA [Federal Insecticide Fungicide Rodenticide Act] and TSCA Enforcement System, FTTS [FIFRA/TSCA Tracking System]; CERCLIS; DOCKET (Enforcement Docket used to manage and track information on civil judicial enforcement cases for all environmental statutes); Federal Underground Injection Control (FURS); Federal Reporting Data System (FRDS); Surface Impoundments (SIA); TSCA Chemicals in Commerce Information System (CICS); PADS; RCRA-J (medical waste transporters/disposers); TRIS; and TSCA. The source of this database is the U.S. EPA/NTIS.

A review of the FINDS list, as provided by EDR, and dated 08/03/2022 has revealed that there are 7 FINDS sites within approximately 0.001 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
APEX IMPORT GARAGE Registry ID:: 110002680135	***1003 GRAND AVE***	***0 - 1/8 (0.000 mi.)***	***D24***	***80***
RUDYS RADIATOR SHOP Registry ID:: 110002763377	***1057 GRAND AVE***	***0 - 1/8 (0.000 mi.)***	***C26***	***84***
CRIBWALL COMPANY SIT Registry ID:: 110066464739	1023 GRAND AVENUE	0 - 1/8 (0.000 mi.)	C41	112
GRAND AVENUE METAL I Registry ID:: 110066035025	1031 GRAND AVENUE	0 - 1/8 (0.000 mi.)	C42	112

Lower Elevation	Address	Direction / Distance	Map ID	Page
ASTLEFORD CONSTRUCTI Registry ID:: 110002775033	***1010 LINDA VISTA DR***	***0 - 1/8 (0.000 mi.)***	***B15***	***32***
GRAND CHANNEL BRIDGE Registry ID:: 110064888803	1010 LINDA VISTA DRI	0 - 1/8 (0.000 mi.)	B18	72
CARPENTRY PLUS Registry ID:: 110070085015	***1010 LINDA VISTA DR***	***0 - 1/8 (0.000 mi.)***	***B19***	***72***

ECHO: ECHO provides integrated compliance and enforcement information for about 800,000 regulated facilities nationwide.

A review of the ECHO list, as provided by EDR, and dated 06/25/2022 has revealed that there are 4 ECHO sites within approximately 0.001 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
APEX IMPORT GARAGE Registry ID: 110002680135	***1003 GRAND AVE***	***0 - 1/8 (0.000 mi.)***	***D24***	***80***
RUDYS RADIATOR SHOP Registry ID: 110002763377	***1057 GRAND AVE***	***0 - 1/8 (0.000 mi.)***	***C26***	***84***

Lower Elevation	Address	Direction / Distance	Map ID	Page
ASTLEFORD CONSTRUCTI Registry ID: 110002775033	***1010 LINDA VISTA DR***	***0 - 1/8 (0.000 mi.)***	***B15***	***32***
CARPENTRY PLUS Registry ID: 110070085015	***1010 LINDA VISTA DR***	***0 - 1/8 (0.000 mi.)***	***B19***	***72***

EXECUTIVE SUMMARY

Cortese: The sites for the list are designated by the State Water Resource Control Board (LUST), the Integrated Waste Board (SWF/LS), and the Department of Toxic Substances Control (Cal-Sites).

A review of the Cortese list, as provided by EDR, and dated 06/21/2022 has revealed that there are 23 Cortese sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
AMERICAN FENCE CO	***1075 GRAND AV***	***NW 0 - 1/8 (0.014 mi.)***	***C49***	***131***
Cleanup Status: COMPLETED - CASE CLOSED				
MORALLY WHOLESALE	***975 LINDA VISTA DR***	***S 0 - 1/8 (0.065 mi.)***	***J72***	***492***
Cleanup Status: COMPLETED - CASE CLOSED				
SKS, SAN MARCOS	***875 W GRAND AV***	***ESE 0 - 1/8 (0.100 mi.)***	***N94***	***700***
Cleanup Status: COMPLETED - CASE CLOSED				
JUDD WIRE	***870 LOS VALLECITOS B***	***E 0 - 1/8 (0.109 mi.)***	***K97***	***740***
Cleanup Status: COMPLETED - CASE CLOSED				
WALTER TRUCKING, INC	***173 S BENT AV***	***SE 1/8 - 1/4 (0.197 mi.)***	***R119***	***849***
Cleanup Status: COMPLETED - CASE CLOSED				
VALLECITOS WATER DIS	***788 SAN MARCOS BL***	***SE 1/4 - 1/2 (0.272 mi.)***	***Y152***	***1170***
Cleanup Status: COMPLETED - CASE CLOSED				
TLC CARWASH	***740 W SAN MARCOS BL***	***ESE 1/4 - 1/2 (0.273 mi.)***	***155***	***1173***
Cleanup Status: COMPLETED - CASE CLOSED				
SOLID WASTE SERVICES	***224 S LAS POSAS RD***	***W 1/4 - 1/2 (0.276 mi.)***	***AA158***	***1191***
Cleanup Status: COMPLETED - CASE CLOSED				
SIGNET ARMORLITE, IN	***1001 ARMORLITE DRIVE***	***NNE 1/4 - 1/2 (0.287 mi.)***	***X162***	***1332***
Cleanup Status: COMPLETED - CASE CLOSED				
SAN DIEGO AUTO CENTE	***755 SAN MARCOS BL***	***SE 1/4 - 1/2 (0.305 mi.)***	***Y163***	***1431***
Cleanup Status: COMPLETED - CASE CLOSED				
CREST BEVERAGE	***1152 ARMORLITE DR***	***N 1/4 - 1/2 (0.309 mi.)***	***165***	***1435***
Cleanup Status: COMPLETED - CASE CLOSED				
ABANDONED GASOLINE S	***670 W SAN MARCOS BL***	***ESE 1/4 - 1/2 (0.373 mi.)***	***AE174***	***1470***
Cleanup Status: COMPLETED - CASE CLOSED				
SHELL	***679 SAN MARCOS BLVD***	***ESE 1/4 - 1/2 (0.393 mi.)***	***AF176***	***1474***
Cleanup Status: COMPLETED - CASE CLOSED				
SHELL	***679 SAN MARCOS BL***	***ESE 1/4 - 1/2 (0.393 mi.)***	***AF177***	***1475***
Cleanup Status: COMPLETED - CASE CLOSED				
L AND V INDUSTRIAL S	***1415 GRAND AVE***	***WNW 1/4 - 1/2 (0.403 mi.)***	***AH181***	***1498***
Cleanup Status: COMPLETED - CASE CLOSED				
SAN MARCOS TEXACO	***583 GRAND AVE***	***ESE 1/4 - 1/2 (0.442 mi.)***	***186***	***1529***
Cleanup Status: COMPLETED - CASE CLOSED				
SAN MARCOS GAS	***1290 W MISSION RD***	***NNW 1/4 - 1/2 (0.490 mi.)***	***AI188***	***1586***
Cleanup Status: COMPLETED - CASE CLOSED				
PALOMAR COMMUNITY CO	***1140 E MISSION RD***	***NE 1/4 - 1/2 (0.496 mi.)***	***189***	***1591***
Cleanup Status: COMPLETED - CASE CLOSED				

Lower Elevation	Address	Direction / Distance	Map ID	Page
ASTLEFORD CONSTRUCTI	***1010 LINDA VISTA DR***	***0 - 1/8 (0.000 mi.)***	***B15***	***32***
Cleanup Status: COMPLETED - CASE CLOSED				
SIX TO SIX EQUIP REN	***175 VIA VERA CRUZ***	***WNW 0 - 1/8 (0.084 mi.)***	***L78***	***546***

Cleanup Status: COMPLETED - CASE CLOSED

CLARENCE OCHS OIL	***145 VIA VERA CRUZ***	***WNW 1/8 - 1/4 (0.126 mi.)***	***L103***	***753***
Cleanup Status: COMPLETED - CASE CLOSED				
FIRST NATIONAL BANK	***885 SAN MARCOS BLVD***	***SSE 1/4 - 1/2 (0.281 mi.)***	***Z159***	***1323***
Cleanup Status: COMPLETED - CASE CLOSED				
LLOYD PEST CONTROL	***223 S BENT AV***	***SE 1/4 - 1/2 (0.336 mi.)***	***AC167***	***1445***
Cleanup Status: COMPLETED - CASE CLOSED				

DRYCLEANERS: A list of drycleaner related facilities that have EPA ID numbers. These are facilities with certain SIC codes: power laundries, family and commercial; garment pressing and cleaners' agents; linen supply; coin-operated laundries and cleaning; drycleaning plants except rugs; carpet and upholster cleaning; industrial launderers; laundry and garment services.

A review of the DRYCLEANERS list, as provided by EDR, has revealed that there is 1 DRYCLEANERS site within approximately 0.25 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
MISSION AUTO REPAIR	***1020 LINDA VISTA DR***	***SW 0 - 1/8 (0.015 mi.)***	***B52***	***143***
Database: DRYCLEANERS, Date of Government Version: 08/27/2021				
EPA Id: CAL000223784				

HAZNET: The data is extracted from the copies of hazardous waste manifests received each year by the DTSC. The annual volume of manifests is typically 700,000-1,000,000 annually, representing approximately 350,000-500,000 shipments. Data from non-California manifests & continuation sheets are not included at the present time. Data are from the manifests submitted without correction, and therefore many contain some invalid values for data elements such as generator ID, TSD ID, waste category, & disposal method. The source is the Department of Toxic Substance Control is the agency. This database begins with calendar year 1993.

A review of the HAZNET list, as provided by EDR, and dated 12/31/2021 has revealed that there are 17 HAZNET sites within approximately 0.001 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
SAN MARCOS POLISHING	***1043 GRAND AVE***	***0 - 1/8 (0.000 mi.)***	***C20***	***72***
GEPAID: CAL000240224				
1X LANCASTER AUTO BO	***1043 GRAND ST***	***0 - 1/8 (0.000 mi.)***	***C21***	***77***
GEPAID: CAP999001769				
APEX IMPORT GARAGE	***1003 GRAND AVE***	***0 - 1/8 (0.000 mi.)***	***D23***	***79***
GEPAID: CAD981165962				
SCOTTS VW PARADISE	***1031 GRAND AVE***	***0 - 1/8 (0.000 mi.)***	***C27***	***87***
GEPAID: CAL000057512				
PARADISE V W	***1031 GRAND***	***0 - 1/8 (0.000 mi.)***	***C31***	***96***
GEPAID: CAL000011404				
RETAINING WALLS CO	***1025 GRAND AVE***	***0 - 1/8 (0.000 mi.)***	***C33***	***98***
GEPAID: CAD981377559				
K&K TRANSMISSION	***1031 GRAND AVENUE***	***0 - 1/8 (0.000 mi.)***	***C34***	***100***
GEPAID: CAL000142377				
RUDYS RADIATOR SHOP	***1057 GRAND AVE***	***0 - 1/8 (0.000 mi.)***	***C36***	***102***

GEPAID: CAD981980295

CITY OF SAN MARCOS GEPAID: CAC002672944	***1041 GRAND AVE***	***0 - 1/8 (0.000 mi.)***	***C40***	***110***
JOHNS MOBILE GEPAID: CAL000339981	***1049 GRAND AVE***	***0 - 1/8 (0.000 mi.)***	***C44***	***113***
CITY OF SAN MARCOS GEPAID: CAC002669308	***1023 GRAND AVE***	***0 - 1/8 (0.000 mi.)***	***C45***	***116***
AUTO TUNE GEPAID: CAL000048797	***931A GRAND AVE***	***0 - 1/8 (0.000 mi.)***	***E46***	***122***
CONCRETE SPECIALTIES GEPAID: CAC002275625	***1025 GRAND AVE***	***0 - 1/8 (0.000 mi.)***	***C47***	***127***
K & K TRANSMISSION GEPAID: CAL000111915	***1031 GRAND AVE***	***0 - 1/8 (0.000 mi.)***	***C48***	***128***

Lower Elevation	Address	Direction / Distance	Map ID	Page
ASTLEFORD CONSTRUCTI GEPAID: CAD982009011	***1010 LINDA VISTA DR***	***0 - 1/8 (0.000 mi.)***	***B15***	***32***
TNT BLANCHARD GENERA GEPAID: CAL000347696	***1010 LINDA VISTA DR***	***0 - 1/8 (0.000 mi.)***	***B16***	***69***
1X TEMPLETON GRATING GEPAID: CAC000010132	***1010 LINDA VISTA DR***	***0 - 1/8 (0.000 mi.)***	***B17***	***71***

HIST CORTESE: The sites for the list are designated by the State Water Resource Control Board [LUST], the Integrated Waste Board [SWF/LS], and the Department of Toxic Substances Control [CALSITES]. This listing is no longer updated by the state agency.

A review of the HIST CORTESE list, as provided by EDR, and dated 04/01/2001 has revealed that there are 18 HIST CORTESE sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
AMERICAN FENCE CO Reg Id: 9UT1109	***1075 GRAND AV***	***NW 0 - 1/8 (0.014 mi.)***	***C50***	***140***
MORALLY WHOLESALE Reg Id: 9UT1999	***975 LINDA VISTA DR***	***S 0 - 1/8 (0.065 mi.)***	***J72***	***492***
SKS, SAN MARCOS Reg Id: 9UT2059	***875 W GRAND AV***	***ESE 0 - 1/8 (0.100 mi.)***	***N94***	***700***
JUDD WIRE Reg Id: 9UT1424	***870 LOS VALLECITOS***	***E 0 - 1/8 (0.109 mi.)***	***K98***	***744***
R.D. WALTER TRUCKING Reg Id: 9UT1540	***174 BENT***	***SE 1/8 - 1/4 (0.221 mi.)***	***R125***	***867***
VALLECITOS WATER DIS Reg Id: 9UT817	***788 SAN MARCOS BL***	***SE 1/4 - 1/2 (0.272 mi.)***	***Y153***	***1171***
MASHBURN SANITATION Reg Id: 9UT2285 Reg Id: 9UT3726	***224 LAS POSAS RD***	***W 1/4 - 1/2 (0.276 mi.)***	***AA156***	***1186***
SIGNET ARMORLITE, IN	***1001 ARMORLITE DRIVE***	***NNE 1/4 - 1/2 (0.287 mi.)***	***X162***	***1332***

Reg Id: 9UT493				
SAN MARCOS AUTO CENT	***747 SAN MARCOS BLVD***	***SE 1/4 - 1/2 (0.309 mi.)***	***Y164***	***1434***
Reg Id: 3UT3917				
CREST BEVERAGE	***1152 ARMORLITE DR***	***N 1/4 - 1/2 (0.309 mi.)***	***165***	***1435***
Reg Id: 9UT1422				
DEWEY PEST CONTROL	***1370 GRAND AVENUE***	***WNW 1/4 - 1/2 (0.343 mi.)***	***AB168***	***1448***
Reg Id: 9UT301				
L AND V INDUSTRIAL S	***1415 GRAND AVE***	***WNW 1/4 - 1/2 (0.403 mi.)***	***AH181***	***1498***
Reg Id: 9UT1661				
TEXACO	615 SAN MARCOS	ESE 1/4 - 1/2 (0.428 mi.)	AE185	1529
Reg Id: 9UT174				
Reg Id: 9UT2313				
PALOMAR COMMUNITY CO	***1140 E MISSION RD***	***NE 1/4 - 1/2 (0.496 mi.)***	***189***	***1591***
Reg Id: 9UT1436				
Reg Id: 9UT3872				
Reg Id: 9UT2643				
Reg Id: 9UT34				

Lower Elevation	Address	Direction / Distance	Map ID	Page
SIX TO SIX EQUIP REN	***175 VIA VERA CRUZ***	***WNW 0 - 1/8 (0.084 mi.)***	***L78***	***546***
Reg Id: 9UT681				
Reg Id: 9UT2954				
CLARENCE OCHS OIL	***145 VIA VERA CRUZ***	***WNW 1/8 - 1/4 (0.126 mi.)***	***L107***	***810***
Reg Id: 9UT3651				
FIRST NATIONAL BANK	***885 SAN MARCOS***	***SSE 1/4 - 1/2 (0.281 mi.)***	***Z160***	***1325***
Reg Id: 9UT2319				
LLOYD PEST CONTROL	***223 BENT***	***SE 1/4 - 1/2 (0.346 mi.)***	***AC170***	***1461***
Reg Id: 9UT3270				

HWP: Detailed information on permitted hazardous waste facilities and corrective action ("cleanups") tracked in EnviroStor.

A review of the HWP list, as provided by EDR, and dated 05/16/2022 has revealed that there are 2 HWP sites within approximately 1 mile of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
SIGNET ARMORLITE, IN	***1001 ARMORLITE DRIVE***	***NNE 1/4 - 1/2 (0.287 mi.)***	***X162***	***1332***
EPA ID: CAD008362634				
Cleanup Status: CLOSED				

Lower Elevation	Address	Direction / Distance	Map ID	Page
THE SINGER CO/KEARFO	***1370 W SAN MARCOS BL***	***SW 1/2 - 1 (0.885 mi.)***	***AJ194***	***2015***
EPA ID: CAD046589305				
Cleanup Status: CLOSED				

NPDES: A listing of NPDES permits, including stormwater.

A review of the NPDES list, as provided by EDR, and dated 08/08/2022 has revealed that there are 2 NPDES sites within approximately 0.001 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
ASTLEFORD CONSTRUCTI	***1010 LINDA VISTA DR***	***0 - 1/8 (0.000 mi.)***	***B15***	***32***
GRAND AVENUE BUILDIN	***APN 219 152 70 47 18***	***0 - 1/8 (0.000 mi.)***	***D28***	***90***

Notify 65: Listings of all Proposition 65 incidents reported to counties by the State Water Resources Control Board and the Regional Water Quality Control Board. This database is no longer updated by the reporting agency.

A review of the Notify 65 list, as provided by EDR, and dated 06/10/2022 has revealed that there are 2 Notify 65 sites within approximately 1 mile of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
MASHBURN SANITATION	***224 LAS POSAS ROAD***	***W 1/4 - 1/2 (0.276 mi.)***	***AA157***	***1190***

Lower Elevation	Address	Direction / Distance	Map ID	Page
CRIBBAGE LANE & SAN		SSE 1/4 - 1/2 (0.273 mi.)	Z154	1172

SAN DIEGO CO LOP: A listing of all LOP release sites that are or were under the County of San Diego's jurisdiction. Included are closed or transferred cases, open cases, and cases that did not have a case type indicated. The cases without a case type are mostly complaints; however, some of them could be LOP cases.

A review of the SAN DIEGO CO LOP list, as provided by EDR, and dated 07/22/2021 has revealed that there is 1 SAN DIEGO CO LOP site within approximately 0.001 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
ASTLEFORD CONSTRUCTI	***1010 LINDA VISTA DR***	***0 - 1/8 (0.000 mi.)***	***B15***	***32***

CIWQS: The California Integrated Water Quality System (CIWQS) is a computer system used by the State and Regional Water Quality Control Boards to track information about places of environmental interest, manage permits and other orders, track inspections, and manage violations and enforcement activities.

A review of the CIWQS list, as provided by EDR, and dated 08/16/2022 has revealed that there is 1 CIWQS site within approximately 0.001 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
GRAND AVENUE BUILDIN	***APN 219 152 70 47 18***	***0 - 1/8 (0.000 mi.)***	***D28***	***90***

CERS: The CalEPA Regulated Site Portal database combines data about environmentally regulated sites and facilities in California into a single database. It combines data from a variety of state and federal databases, and provides an overview of regulated activities across the spectrum of environmental programs for any given location in California. These activities include hazardous materials and waste, state and federal cleanups, impacted ground and surface waters, and toxic materials

A review of the CERS list, as provided by EDR, and dated 07/18/2022 has revealed that there are 3

CERS sites within approximately 0.001 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
CRIBWALL COMPANY SIT	***1023 GRAND AVENUE***	***0 - 1/8 (0.000 mi.)***	***C22***	***78***
GRAND AVENUE METAL I	***1031 GRAND AVENUE***	***0 - 1/8 (0.000 mi.)***	***C25***	***83***
Lower Elevation	**Address**	**Direction / Distance**	**Map ID**	**Page**
ASTLEFORD CONSTRUCTI	***1010 LINDA VISTA DR***	***0 - 1/8 (0.000 mi.)***	***B15***	***32***

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR Hist Auto: EDR has searched selected national collections of business directories and has collected listings of potential gas station/filling station/service station sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include gas station/filling station/service station establishments. The categories reviewed included, but were not limited to gas, gas station, gasoline station, filling station, auto, automobile repair, auto service station, service station, etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

A review of the EDR Hist Auto list, as provided by EDR, has revealed that there are 2 EDR Hist Auto sites within approximately 0.125 miles of the target property.

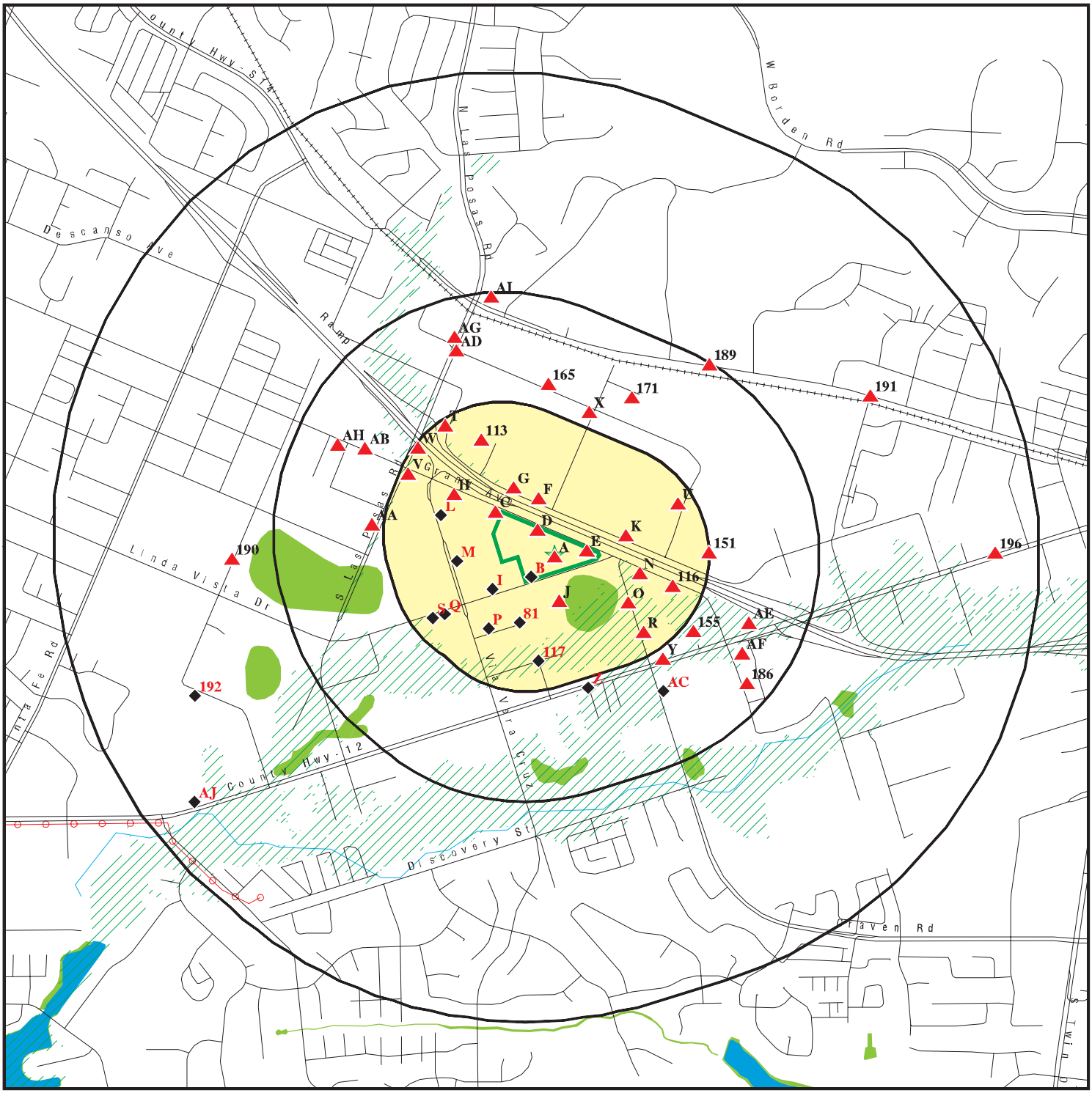
Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
V W PARADISE	1031 GRAND	0 - 1/8 (0.000 mi.)	C29	94
TRANSCONNECTION	969 LINDA VISTA DR	SSE 0 - 1/8 (0.020 mi.)	A56	204

EXECUTIVE SUMMARY

Due to poor or inadequate address information, the following sites were not mapped. Count: 3 records.

Site Name	Database(s)
AT&T CALIFORNIA - DBV06	San Diego Co. HMMD
EVANS DEDICATED SYSTEMS	ENVIROSTOR
SUNNY FRESH CLEANERS #16	SAN DIEGO CO. SAM

OVERVIEW MAP - 7158032.2S



Target Property

Sites at elevations higher than or equal to the target property

Sites at elevations lower than the target property

Manufactured Gas Plants

National Priority List Sites

Dept. Defense Sites

0 1/4 1/2 1 Miles

Indian Reservations BIA

Power transmission lines

Special Flood Hazard Area (1%)

0.2% Annual Chance Flood Hazard

National Wetland Inventory

State Wetlands

Areas of Concern

N

This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME:	Marcos Specific Plan	CLIENT:	DUDEK
ADDRESS:	961 GRAND AVE San Marcos CA 92078	CONTACT:	Nicole Tucker
LAT/LONG:	33.139998 / 117.185751	INQUIRY #:	7158032.2s
		DATE:	October 25, 2022 10:12 am

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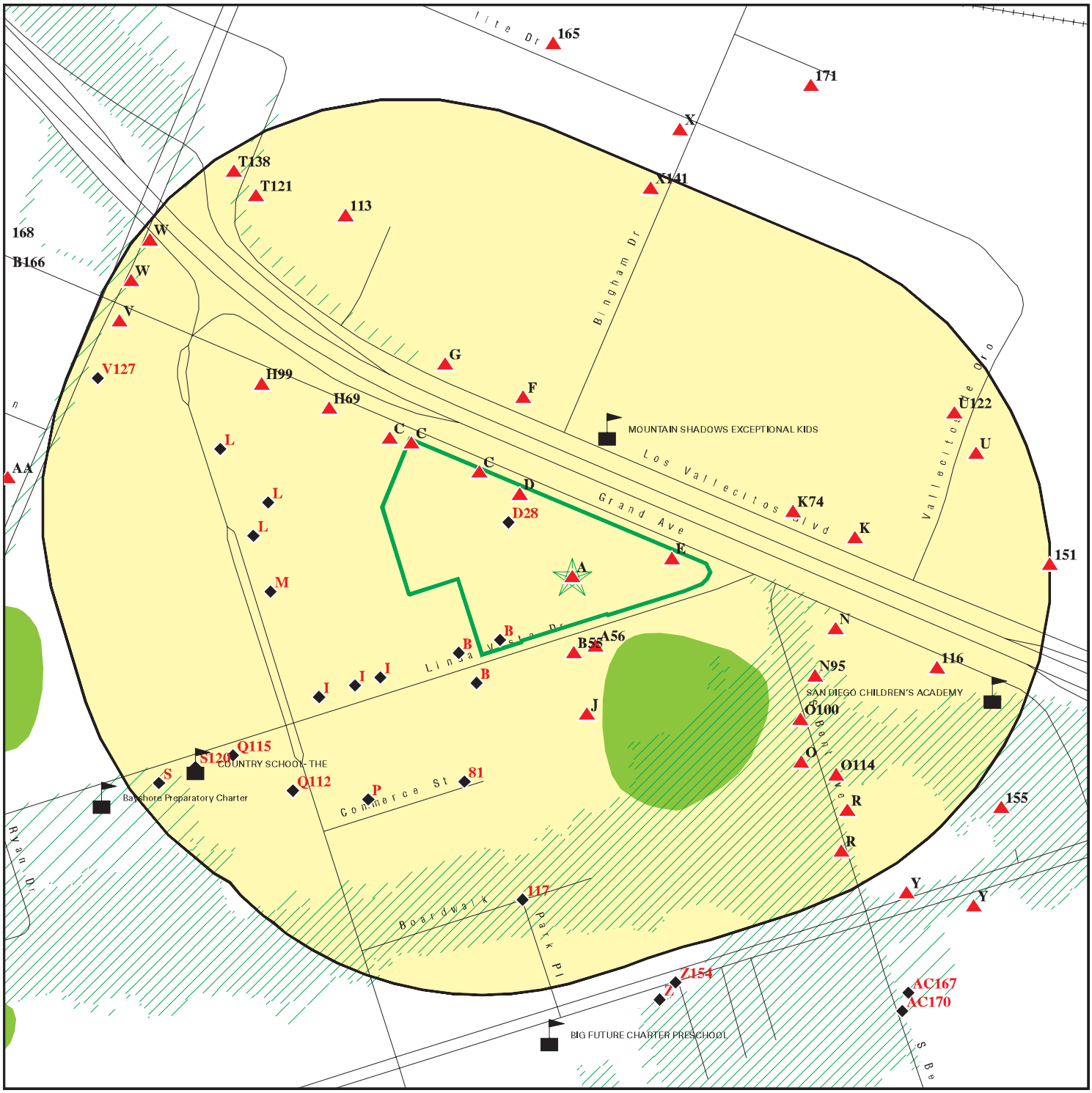
DETAIL MAP - 7158032.2S



- Target Property
- Sites at elevations higher than or equal to the target property
- Sites at elevations lower than the target property
- Manufactured Gas Plants
- Sensitive Receptors
- National Priority List Sites
- Dept. Defense Sites
- Indian Reservations BIA
- Special Flood Hazard Area (1%)
- 0.2% Annual Chance Flood Hazard
- National Wetland Inventory
- State Wetlands
- Areas of Concern

This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME: Marcos Specific Plan	CLIENT: DUDEK
ADDRESS: 961 GRAND AVE San Marcos CA 92078	CONTACT: Nicole Tucker INQUIRY #: 7158032.2s
LAT/LONG: 33.139998 / 117.185751	DATE: October 25, 2022 10:13 am

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MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
STANDARD ENVIRONMENTAL RECORDS								
Lists of Federal NPL (Superfund) sites								
NPL	1.000		0	0	0	0	NR	0
Proposed NPL	1.000		0	0	0	0	NR	0
NPL LIENS	1.000		0	0	0	0	NR	0
Lists of Federal Delisted NPL sites								
Delisted NPL	1.000		0	0	0	0	NR	0
Lists of Federal sites subject to CERCLA removals and CERCLA orders								
FEDERAL FACILITY	0.500		0	0	0	NR	NR	0
SEMS	0.500		0	0	0	NR	NR	0
Lists of Federal CERCLA sites with NFRAP								
SEMS-ARCHIVE	0.500		0	2	2	NR	NR	4
Lists of Federal RCRA facilities undergoing Corrective Action								
CORRACTS	1.000		0	0	1	1	NR	2
Lists of Federal RCRA TSD facilities								
RCRA-TSDF	0.500		0	0	1	NR	NR	1
Lists of Federal RCRA generators								
RCRA-LQG	0.250		0	0	NR	NR	NR	0
RCRA-SQG	0.250		7	3	NR	NR	NR	10
RCRA-VSQG	0.250		0	2	NR	NR	NR	2
Federal institutional controls / engineering controls registries								
LUCIS	0.500		0	0	0	NR	NR	0
US ENG CONTROLS	0.500		0	0	0	NR	NR	0
US INST CONTROLS	0.500		0	0	0	NR	NR	0
Federal ERNS list								
ERNS	0.001		0	NR	NR	NR	NR	0
Lists of state- and tribal (Superfund) equivalent sites								
RESPONSE	1.000		0	0	0	0	NR	0
Lists of state- and tribal hazardous waste facilities								
ENVIROSTOR	1.000		1	2	3	5	NR	11
Lists of state and tribal landfills and solid waste disposal facilities								
SWF/LF	0.500		0	0	3	NR	NR	3

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
Lists of state and tribal leaking storage tanks								
LUST	0.500	2	9	4	24	NR	NR	39
SAN DIEGO CO. SAM	0.500	1	6	2	18	NR	NR	27
INDIAN LUST	0.500		0	0	0	NR	NR	0
CPS-SLIC	0.500		3	0	8	NR	NR	11
Lists of state and tribal registered storage tanks								
FEMA UST	0.250		0	0	NR	NR	NR	0
UST	0.250		2	1	NR	NR	NR	3
AST	0.250		2	1	NR	NR	NR	3
INDIAN UST	0.250		0	0	NR	NR	NR	0
Lists of state and tribal voluntary cleanup sites								
VCP	0.500		0	0	0	NR	NR	0
INDIAN VCP	0.500		0	0	0	NR	NR	0
Lists of state and tribal brownfield sites								
BROWNFIELDS	0.500		0	0	0	NR	NR	0
ADDITIONAL ENVIRONMENTAL RECORDS								
Local Brownfield lists								
US BROWNFIELDS	0.500		0	0	0	NR	NR	0
Local Lists of Landfill / Solid Waste Disposal Sites								
WMUDS/SWAT	0.500		0	0	0	NR	NR	0
SWRCY	0.500		0	0	1	NR	NR	1
HAULERS	0.001		0	NR	NR	NR	NR	0
INDIAN ODI	0.500		0	0	0	NR	NR	0
DEBRIS REGION 9	0.500		0	0	0	NR	NR	0
ODI	0.500		0	0	0	NR	NR	0
IHS OPEN DUMPS	0.500		0	0	0	NR	NR	0
Local Lists of Hazardous waste / Contaminated Sites								
US HIST CDL	0.001		0	NR	NR	NR	NR	0
HIST Cal-Sites	1.000		0	0	0	0	NR	0
SCH	0.250		0	0	NR	NR	NR	0
CDL	0.001		0	NR	NR	NR	NR	0
San Diego Co. HMMD	0.001	1	10	NR	NR	NR	NR	11
Toxic Pits	1.000		0	0	0	0	NR	0
CERS HAZ WASTE	0.250		11	13	NR	NR	NR	24
US CDL	0.001		0	NR	NR	NR	NR	0
PFAS	0.500		0	0	0	NR	NR	0
AQUEOUS FOAM	TP		NR	NR	NR	NR	NR	0
Local Lists of Registered Storage Tanks								
SWEEPS UST	0.250		7	2	NR	NR	NR	9

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
HIST UST	0.250	2	4	3	NR	NR	NR	9
CERS TANKS	0.250		1	1	NR	NR	NR	2
CA FID UST	0.250		0	0	NR	NR	NR	0
Local Land Records								
LIENS	0.001		0	NR	NR	NR	NR	0
LIENS 2	0.001		0	NR	NR	NR	NR	0
DEED	0.500		0	0	1	NR	NR	1
Records of Emergency Release Reports								
HMIRS	0.001		0	NR	NR	NR	NR	0
CHMIRS	0.001		0	NR	NR	NR	NR	0
LDS	0.001		0	NR	NR	NR	NR	0
MCS	0.001		0	NR	NR	NR	NR	0
SPILLS 90	0.001		0	NR	NR	NR	NR	0
Other Ascertainable Records								
RCRA NonGen / NLR	0.250		20	20	NR	NR	NR	40
FUDS	1.000		0	0	0	0	NR	0
DOD	1.000		0	0	0	0	NR	0
SCRD DRYCLEANERS	0.500		0	0	0	NR	NR	0
US FIN ASSUR	0.001		0	NR	NR	NR	NR	0
EPA WATCH LIST	0.001		0	NR	NR	NR	NR	0
2020 COR ACTION	0.250		0	0	NR	NR	NR	0
TSCA	0.001		0	NR	NR	NR	NR	0
TRIS	0.001		0	NR	NR	NR	NR	0
SSTS	0.001		0	NR	NR	NR	NR	0
ROD	1.000		0	0	0	0	NR	0
RMP	0.001		0	NR	NR	NR	NR	0
RAATS	0.001		0	NR	NR	NR	NR	0
PRP	0.001		0	NR	NR	NR	NR	0
PADS	0.001		0	NR	NR	NR	NR	0
ICIS	0.001		0	NR	NR	NR	NR	0
FTTS	0.001		0	NR	NR	NR	NR	0
MLTS	0.001		0	NR	NR	NR	NR	0
COAL ASH DOE	0.001		0	NR	NR	NR	NR	0
COAL ASH EPA	0.500		0	0	0	NR	NR	0
PCB TRANSFORMER	0.001		0	NR	NR	NR	NR	0
RADINFO	0.001		0	NR	NR	NR	NR	0
HIST FTTS	0.001		0	NR	NR	NR	NR	0
DOT OPS	0.001		0	NR	NR	NR	NR	0
CONSENT	1.000		0	0	0	0	NR	0
INDIAN RESERV	1.000		0	0	0	0	NR	0
FUSRAP	1.000		0	0	0	0	NR	0
UMTRA	0.500		0	0	0	NR	NR	0
LEAD SMELTERS	0.001		0	NR	NR	NR	NR	0
US AIRS	0.001		0	NR	NR	NR	NR	0
US MINES	0.250		0	0	NR	NR	NR	0
ABANDONED MINES	0.250		0	0	NR	NR	NR	0
FINDS	0.001	4	7	NR	NR	NR	NR	11
DOCKET HWC	0.001		0	NR	NR	NR	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
ECHO	0.001	2	4	NR	NR	NR	NR	6
UXO	1.000		0	0	0	0	NR	0
FUELS PROGRAM	0.250		0	0	NR	NR	NR	0
CA BOND EXP. PLAN	1.000		0	0	0	0	NR	0
Cortese	0.500	1	6	2	15	NR	NR	24
CUPA Listings	0.250		0	0	NR	NR	NR	0
DRYCLEANERS	0.250		1	0	NR	NR	NR	1
EMI	0.001		0	NR	NR	NR	NR	0
ENF	0.001	1	0	NR	NR	NR	NR	1
Financial Assurance	0.001		0	NR	NR	NR	NR	0
HAZNET	0.001	1	17	NR	NR	NR	NR	18
ICE	0.001		0	NR	NR	NR	NR	0
HIST CORTESE	0.500	1	5	2	11	NR	NR	19
HWP	1.000		0	0	1	1	NR	2
HWT	0.250		0	0	NR	NR	NR	0
MINES	0.250		0	0	NR	NR	NR	0
MWMP	0.250		0	0	NR	NR	NR	0
NPDES	0.001	2	2	NR	NR	NR	NR	4
PEST LIC	0.001		0	NR	NR	NR	NR	0
PROC	0.500		0	0	0	NR	NR	0
Notify 65	1.000		0	0	2	0	NR	2
UIC	0.001		0	NR	NR	NR	NR	0
UIC GEO	0.001		0	NR	NR	NR	NR	0
WASTEWATER PITS	0.500		0	0	0	NR	NR	0
WDS	0.001		0	NR	NR	NR	NR	0
WIP	0.250		0	0	NR	NR	NR	0
MILITARY PRIV SITES	0.001		0	NR	NR	NR	NR	0
PROJECT	0.001		0	NR	NR	NR	NR	0
WDR	0.001		0	NR	NR	NR	NR	0
SAN DIEGO CO LOP	0.001	1	1	NR	NR	NR	NR	2
CIWQS	0.001	2	1	NR	NR	NR	NR	3
CERS	0.001	2	3	NR	NR	NR	NR	5
NON-CASE INFO	0.001		0	NR	NR	NR	NR	0
OTHER OIL GAS	0.001		0	NR	NR	NR	NR	0
PROD WATER PONDS	0.001		0	NR	NR	NR	NR	0
SAMPLING POINT	0.001		0	NR	NR	NR	NR	0
WELL STIM PROJ	0.001		0	NR	NR	NR	NR	0
MINES MRDS	0.001		0	NR	NR	NR	NR	0
HWTS	TP	1	NR	NR	NR	NR	NR	1
EDR HIGH RISK HISTORICAL RECORDS								
EDR Exclusive Records								
EDR MGP	1.000		0	0	0	0	NR	0
EDR Hist Auto	0.125		2	NR	NR	NR	NR	2
EDR Hist Cleaner	0.125		0	NR	NR	NR	NR	0
EDR RECOVERED GOVERNMENT ARCHIVES								
Exclusive Recovered Govt. Archives								
RGA LF	0.001		0	NR	NR	NR	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
RGA LUST	0.001	3	0	NR	NR	NR	NR	3
- Totals --		27	132	60	91	7	0	317

NOTES:

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

A1
Target Property
STAR BUILDERS SUPPLY
961 GRAND AVENUE
SAN MARCOS, CA

RGA LUST **S114695689**
N/A

Site 1 of 15 in cluster A

Actual: 544 ft.

RGA LUST:
Name: STAR BUILDERS SUPPLY
Address: 961 GRAND AVENUE
City: SAN MARCOS
State: SAN MARCOS
1994 STAR BUILDERS SUPPLY 961 GRAND AVENUE
Name: STAR BUILDERS SUPPLY
Address: 961 GRAND AVENUE
City: SAN MARCOS
State: SAN MARCOS
1993 STAR BUILDERS SUPPLY 961 GRAND AVENUE
Name: STAR BUILDERS SUPPLY
Address: 961 GRAND AVENUE
City: SAN MARCOS
State: SAN MARCOS
1992 STAR BUILDERS SUPPLY 961 GRAND AVENUE

A2
Target Property
STAR BUILDER SUPPLY
961 GRAND AV
SAN MARCOS, CA 92069

LUST **S105032736**
SAN DIEGO CO. SAM **N/A**
San Diego Co. HMMD
Cortese
ENF
NPDES
CIWQS

Site 2 of 15 in cluster A

Actual: 544 ft.

LUST:
No Details: No Details

SAN DIEGO CO. SAM:
Name: STAR BUILDER SUPPLY
Address: 961 GRAND AV
City,State,Zip: SAN MARCOS, CA 920692601
Case Number: H03765-001
Agency: DEH Site Assessment & Mitigation
Funding: **LOP - Federal Fund**
Facility Type: Soils Only
Facility Status: Closed Case
Date: 6/20/1988
Date Began: 12/28/1987

HMMD SAN DIEGO:
Name: STAR BUILDER SUPPLY
Address: 961 GRAND AV
City,State,Zip: SAN MARCOS, CA 92069
Permit Number: 103765
Business Type: Not reported
EPA Id Number: Not reported
APN: 219-152-40-00
Last HMMD Inspection: Not reported
Facility Telephone: Not reported
Permit Status: INAC
Permit Expiration: Not reported
Date Last Updated: 11/02/2012
Facility Owner: STAR BUILDER SUPPLY

STAR BUILDER SUPPLY (Continued) **S105032736**

Facility Mailing Address:	961 GRAND AV
Facility Mailing City:	SAN MARCOS
Facility Mailing State:	CA
Facility Mailing Zip:	92069-2601
UST Owner:	Not reported
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Not reported
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

CORTESE:

Name:	STAR BUILDER SUPPLY
Address:	961 GRAND AV
City,State,Zip:	SAN MARCOS, CA 920692601
Region:	CORTESE
Envirostor Id:	Not reported
Global ID:	T0607303116
Site/Facility Type:	LUST CLEANUP SITE
Cleanup Status:	COMPLETED - CASE CLOSED
Status Date:	Not reported
Site Code:	Not reported
Latitude:	Not reported
Longitude:	Not reported
Owner:	Not reported
Enf Type:	Not reported
Swat R:	Not reported
Flag:	active
Order No:	Not reported
Waste Discharge System No:	Not reported
Effective Date:	Not reported
Region 2:	Not reported
WID Id:	Not reported
Solid Waste Id No:	Not reported
Waste Management Uit Name:	Not reported
File Name:	Active Open

ENF:

Name:	GW EXTRACTION, LAS POSAS REACH FLOOD PROTECTION CONST DEWAT, CITY OF SAN MARCOS
Address:	961 - 1025 GRAND AVENUE
City,State,Zip:	SAN MARCOS, CA 92069
Region:	9
Facility Id:	771530
Agency Name:	San Marcos City
Place Type:	Development
Place Subtype:	Development Site, NEC
Facility Type:	All other facilities
Agency Type:	City Agency
# Of Agencies:	1
Place Latitude:	33.14128
Place Longitude:	-117.18704
SIC Code 1:	Not reported
SIC Desc 1:	Not reported
SIC Code 2:	Not reported

STAR BUILDER SUPPLY (Continued) **S105032736**

SIC Desc 2:	Not reported
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	Not reported
NAICS Desc 1:	Not reported
NAICS Code 2:	Not reported
NAICS Desc 2:	Not reported
NAICS Code 3:	Not reported
NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Reg Meas
Design Flow:	0.09999
Threat To Water Quality:	Not reported
Complexity:	Not reported
Pretreatment:	Not reported
Facility Waste Type:	Not reported
Facility Waste Type 2:	Not reported
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	NPDNONMUNIPRCS
Program Category1:	NPDESWW
Program Category2:	NPDESWW
# Of Programs:	1
WDID:	9 000002343
Reg Measure Id:	405850
Reg Measure Type:	Enrollee - NPDES
Region:	9
Order #:	R9-2015-0013
Npdes# CA#:	CAG919003
Major-Minor:	Minor
Npdes Type:	Not reported
Reclamation:	Not reported
Dredge Fill Fee:	Not reported
301H:	Not reported
Application Fee Amt Received:	Not reported
Status:	Active
Status Date:	07/06/2018
Effective Date:	06/24/2016
Expiration/Review Date:	06/30/2019
Termination Date:	Not reported
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	N
Individual/General:	I
Fee Code:	62 - Treatment system to meet priority pollutant limit Category 1
Direction/Voice:	Passive
Enforcement Id(EID):	431178
Region:	9
Order / Resolution Number:	Not reported
Enforcement Action Type:	Staff Enforcement Letter
Effective Date:	06/11/2019
Adoption/Issuance Date:	06/11/2019
Achieve Date:	Not reported

STAR BUILDER SUPPLY (Continued) **S105032736**

Termination Date:	06/11/2019
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Historical
Title:	SEL for San Marcos City
Description:	Not reported
Program:	NPDNONMUNIPRCS
Latest Milestone Completion Date:	Not reported
# Of Programs1:	1
Total Assessment Amount:	0
Initial Assessed Amount:	0
Liability $ Amount:	0
Project $ Amount:	0
Liability $ Paid:	0
Project $ Completed:	0
Total $ Paid/Completed Amount:	0
Name:	GW EXTRACTION, LAS POSAS REACH FLOOD PROTECTION CONST DEWAT, CITY OF SAN MARCOS
Address:	961 - 1025 GRAND AVENUE
City,State,Zip:	SAN MARCOS, CA 92069
Region:	9
Facility Id:	771530
Agency Name:	San Marcos City
Place Type:	Development
Place Subtype:	Development Site, NEC
Facility Type:	All other facilities
Agency Type:	City Agency
# Of Agencies:	1
Place Latitude:	33.14128
Place Longitude:	-117.18704
SIC Code 1:	Not reported
SIC Desc 1:	Not reported
SIC Code 2:	Not reported
SIC Desc 2:	Not reported
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	Not reported
NAICS Desc 1:	Not reported
NAICS Code 2:	Not reported
NAICS Desc 2:	Not reported
NAICS Code 3:	Not reported
NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Reg Meas
Design Flow:	0.09999
Threat To Water Quality:	Not reported
Complexity:	Not reported
Pretreatment:	Not reported
Facility Waste Type:	Not reported
Facility Waste Type 2:	Not reported
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	NPDNONMUNIPRCS
Program Category1:	NPDESWW
Program Category2:	NPDESWW
# Of Programs:	1

STAR BUILDER SUPPLY (Continued) **S105032736**

WDID:	9 000002343
Reg Measure Id:	405850
Reg Measure Type:	Enrollee - NPDES
Region:	9
Order #:	R9-2015-0013
Npdes# CA#:	CAG919003
Major-Minor:	Minor
Npdes Type:	Not reported
Reclamation:	Not reported
Dredge Fill Fee:	Not reported
301H:	Not reported
Application Fee Amt Received:	Not reported
Status:	Active
Status Date:	07/06/2018
Effective Date:	06/24/2016
Expiration/Review Date:	06/30/2019
Termination Date:	Not reported
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	N
Individual/General:	I
Fee Code:	62 - Treatment system to meet priority pollutant limit Category 1
Direction/Voice:	Passive
Enforcement Id(EID):	420913
Region:	9
Order / Resolution Number:	Not reported
Enforcement Action Type:	Staff Enforcement Letter
Effective Date:	04/17/2018
Adoption/Issuance Date:	04/17/2018
Achieve Date:	Not reported
Termination Date:	04/17/2018
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Historical
Title:	SEL 04/17/2018 for San Marcos City
Description:	Not reported
Program:	NPDNONMUNIPRCS
Latest Milestone Completion Date:	Not reported
# Of Programs1:	1
Total Assessment Amount:	0
Initial Assessed Amount:	0
Liability $ Amount:	0
Project $ Amount:	0
Liability $ Paid:	0
Project $ Completed:	0
Total $ Paid/Completed Amount:	0
Name:	GW EXTRACTION, LAS POSAS REACH FLOOD PROTECTION CONST DEWAT, CITY OF SAN MARCOS
Address:	961 - 1025 GRAND AVENUE
City,State,Zip:	SAN MARCOS, CA 92069
Region:	9
Facility Id:	771530

STAR BUILDER SUPPLY (Continued) **S105032736**

Agency Name:	San Marcos City
Place Type:	Development
Place Subtype:	Development Site, NEC
Facility Type:	All other facilities
Agency Type:	City Agency
# Of Agencies:	1
Place Latitude:	33.14128
Place Longitude:	-117.18704
SIC Code 1:	Not reported
SIC Desc 1:	Not reported
SIC Code 2:	Not reported
SIC Desc 2:	Not reported
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	Not reported
NAICS Desc 1:	Not reported
NAICS Code 2:	Not reported
NAICS Desc 2:	Not reported
NAICS Code 3:	Not reported
NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Reg Meas
Design Flow:	0.09999
Threat To Water Quality:	Not reported
Complexity:	Not reported
Pretreatment:	Not reported
Facility Waste Type:	Not reported
Facility Waste Type 2:	Not reported
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	NPDNONMUNIPRCS
Program Category1:	NPDESWW
Program Category2:	NPDESWW
# Of Programs:	1
WDID:	9 000002343
Reg Measure Id:	405850
Reg Measure Type:	Enrollee - NPDES
Region:	9
Order #:	R9-2015-0013
Npdes# CA#:	CAG919003
Major-Minor:	Minor
Npdes Type:	Not reported
Reclamation:	Not reported
Dredge Fill Fee:	Not reported
301H:	Not reported
Application Fee Amt Received:	Not reported
Status:	Active
Status Date:	07/06/2018
Effective Date:	06/24/2016
Expiration/Review Date:	06/30/2019
Termination Date:	Not reported
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported

STAR BUILDER SUPPLY (Continued) **S105032736**

Status Enrollee:	N
Individual/General:	I
Fee Code:	62 - Treatment system to meet priority pollutant limit Category 1
Direction/Voice:	Passive
Enforcement Id(EID):	409784
Region:	9
Order / Resolution Number:	Not reported
Enforcement Action Type:	Staff Enforcement Letter
Effective Date:	10/17/2016
Adoption/Issuance Date:	Not reported
Achieve Date:	Not reported
Termination Date:	10/17/2016
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Historical
Title:	SEL for San Marcos City
Description:	Not reported
Program:	NPDNONMUNIPRCS
Latest Milestone Completion Date:	Not reported
# Of Programs1:	1
Total Assessment Amount:	0
Initial Assessed Amount:	0
Liability $ Amount:	0
Project $ Amount:	0
Liability $ Paid:	0
Project $ Completed:	0
Total $ Paid/Completed Amount:	0

NPDES:

Name:	GW EXTRACTION, LAS POSAS REACH FLOOD PROTECTION CONST DEWAT, CITY OF SAN MARCOS
Address:	961 - 1025 GRAND AVENUE
City,State,Zip:	SAN MARCOS, CA 92069
Facility Status:	Historical
NPDES Number:	Not reported
Region:	9
Agency Number:	369584
Regulatory Measure ID:	405850
Place ID:	771530
Order Number:	Not reported
WDID:	Not reported
Regulatory Measure Type:	Enrollee - NPDES
Program Type:	NPDNONMUNIPRCS
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	06/24/2016
Termination Date Of Regulatory Measure:	12/10/2020
Expiration Date Of Regulatory Measure:	06/30/2019
Discharge Address:	1 Civic Center Drive
Discharge Name:	San Marcos City
Discharge City:	San Marcos
Discharge State:	CA
Discharge Zip:	92069
Status:	Not reported
Status Date:	Not reported
Operator Name:	Not reported
Operator Address:	Not reported
Operator City:	Not reported

STAR BUILDER SUPPLY (Continued) **S105032736**

Operator State: Not reported
Operator Zip: Not reported

CIWQS:
Name: GW EXTRACTION, LAS POSAS REACH FLOOD PROTECTION CONST DEWAT, CITY OF SAN MARCOS
Address: 961 - 1025 GRAND AVENUE
City,State,Zip: SAN MARCOS, CA 92069
Agency: San Marcos City
Agency Address: 1 Civic Center Drive, San Marcos, CA 92069
Place/Project Type: Development Site, NEC
SIC/NAICS: Not reported
Region: 9
Program: NPDNONMUNIPRCS
Regulatory Measure Status: Historical
Regulatory Measure Type: Enrollee - NPDES
Order Number: R9-2015-0013
WDID: Not reported
NPDES Number: Not reported
Adoption Date: Not reported
Effective Date: 06/24/2016
Termination Date: 12/10/2020
Expiration/Review Date: 06/30/2019
Design Flow: 0.09999
Major/Minor: Minor
Complexity: Not reported
TTWQ: Not reported
Enforcement Actions within 5 years: 2
Violations within 5 years: 4
Latitude: 33.14128
Longitude: -117.18704

A3 **STAR BUILDERS SUPPLY** **RGA LUST** **S114695690**
Target **961 GRAND AVE** **N/A**
Property **SAN MARCOS, CA**

Site 3 of 15 in cluster A

Actual: 544 ft.

RGA LUST:
Name: STAR BUILDERS SUPPLY
Address: 961 GRAND AVE
City: SAN MARCOS
State: SAN MARCOS
2002 STAR BUILDERS SUPPLY 961 GRAND AVE
Name: STAR BUILDERS SUPPLY
Address: 961 GRAND AVE
City: SAN MARCOS
State: SAN MARCOS
2001 STAR BUILDERS SUPPLY 961 GRAND AVE
Name: STAR BUILDERS SUPPLY
Address: 961 GRAND AVE
City: SAN MARCOS
State: SAN MARCOS
2000 STAR BUILDERS SUPPLY 961 GRAND AVE
Name: STAR BUILDERS SUPPLY
Address: 961 GRAND AVE
City: SAN MARCOS

STAR BUILDERS SUPPLY (Continued) **S114695690**

State: SAN MARCOS
1998 STAR BUILDERS SUPPLY 961 GRAND AVE
Name: STAR BUILDERS SUPPLY
Address: 961 GRAND AVE
City: SAN MARCOS
State: SAN MARCOS
1997 STAR BUILDERS SUPPLY 961 GRAND AVE
Name: STAR BUILDERS SUPPLY
Address: 961 GRAND AVE
City: SAN MARCOS
State: SAN MARCOS
1996 STAR BUILDERS SUPPLY 961 GRAND AVE
Name: STAR BUILDERS SUPPLY
Address: 961 GRAND AVE
City: SAN MARCOS
State: SAN MARCOS
1995 STAR BUILDERS SUPPLY 961 GRAND AVE

A4 **STAR BUILDER SUPPLY** **FINDS** **1023374337**
Target **961 GRAND AV** **N/A**
Property **SAN MARCOS, CA 92069**

Site 4 of 15 in cluster A

Actual: **544 ft.**

FINDS:
Registry ID: 110066723567

Click Here for FRS Facility Detail Report:

Environmental Interest/Information System:
STATE MASTER

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

A5 **STAR BUILDERS SUPPLY OF SAN MA** **HIST UST** **S110733544**
Target **961 GRAND AVENUE** **N/A**
Property **SAN MARCOS, CA 92069**

Site 5 of 15 in cluster A

Actual: **544 ft.**

HIST UST:
Name: STAR BUILDERS SUPPLY OF SAN MA
Address: 961 GRAND AVENUE
City,State,Zip: SAN MARCOS, CA 92069
File Number: 0002F35F
URL: http://geotracker.waterboards.ca.gov/ustpdfs/pdf/0002F35F.pdf
Region: Not reported
Facility ID: Not reported
Facility Type: Not reported
Other Type: Not reported
Contact Name: Not reported
Telephone: Not reported
Owner Name: Not reported
Owner Address: Not reported
Owner City,St,Zip: Not reported
Total Tanks: Not reported

STAR BUILDERS SUPPLY OF SAN MA (Continued) **S110733544**

Tank Num:	Not reported
Container Num:	Not reported
Year Installed:	Not reported
Tank Capacity:	Not reported
Tank Used for:	Not reported
Type of Fuel:	Not reported
Container Construction Thickness:	Not reported
Leak Detection:	Not reported

Click here for Geo Tracker PDF:

A6 **GRAND AVE DRAINAGE RD IMPROVEMENT PROJECT CIP 8821** **ECHO** **1023694075**
Target Property **961 983 1003 1023 GRAND AVENUE** **N/A**
SAN MARCOS, CA 92063

Site 6 of 15 in cluster A

Actual: 544 ft.

ECHO:

Envid:	1023694075
Registry ID:	110070091131
DFR URL:	http://echo.epa.gov/detailed-facility-report?fid=110070091131
Name:	GRAND AVE DRAINAGE RD IMPROVEMENT PROJECT CIP 88214
Address:	961 983 1003 1023 GRAND AVENUE
City,State,Zip:	SAN MARCOS, CA 92063

A7 **GW EXTRACTION, LAS POSAS REACH FLOOD PROTECTION CO** **CERS** **S123510972**
Target Property **961 - 1025 GRAND** **N/A**
SAN MARCOS, CA 92069

Site 7 of 15 in cluster A

Actual: 544 ft.

CERS:

Name:	GW EXTRACTION, LAS POSAS REACH FLOOD PROTECTION CONST DEWAT, CITY OF SAN MARCOS
Address:	961 - 1025 GRAND
City,State,Zip:	SAN MARCOS, CA 92069
Site ID:	349380
CERS ID:	771530
CERS Description:	NPDES Wastewater and Stormwater

Enforcement Action:

Site ID:	349380
Site Name:	GW Extraction, Las Posas Reach Flood Protection Const Dewat, City of San Marcos
Site Address:	961 - 1025 GRAND
Site City:	SAN MARCOS
Site Zip:	92069
Enf Action Date:	04-17-2018
Enf Action Type:	Staff Enforcement Letter (Informal)
Enf Action Description:	Staff Enforcement Letter (Informal)
Enf Action Notes:	Not reported
Enf Action Division:	Water Boards
Enf Action Program:	UNSPEC
Enf Action Source:	CIWQS,

Site ID:	349380
Site Name:	GW Extraction, Las Posas Reach Flood Protection Const Dewat, City of

GW EXTRACTION, LAS POSAS REACH FLOOD PROTECTION CONST DEWAT, (Continued) **S123510972**

San Marcos
Site Address: 961 - 1025 GRAND
Site City: SAN MARCOS
Site Zip: 92069
Enf Action Date: 06-11-2019
Enf Action Type: Staff Enforcement Letter (Informal)
Enf Action Description: Staff Enforcement Letter (Informal)
Enf Action Notes: Not reported
Enf Action Division: Water Boards
Enf Action Program: UNSPEC
Enf Action Source: CIWQS,

Site ID: 349380
Site Name: GW Extraction, Las Posas Reach Flood Protection Const Dewat, City of San Marcos
Site Address: 961 - 1025 GRAND
Site City: SAN MARCOS
Site Zip: 92069
Enf Action Date: 10-17-2016
Enf Action Type: Staff Enforcement Letter (Informal)
Enf Action Description: Staff Enforcement Letter (Informal)
Enf Action Notes: Not reported
Enf Action Division: Water Boards
Enf Action Program: UNSPEC
Enf Action Source: CIWQS,

Affiliation:
Affiliation Type Desc: Operator
Entity Name: Dudek (Formerly Dudek & Associates, Inc.)
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Affiliation Type Desc: Owner and Operator
Entity Name: San Marcos City
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

A8 **1X B R SLAY** **HAZNET** **S123705080**
Target **961 GRAND AVENUE** **HWTS** **N/A**
Property **SAN MARCOS, CA 92069**

Site 8 of 15 in cluster A

Actual:
544 ft.

HAZNET:

Name:	1X B R SLAY
Address:	961 GRAND AVENUE
Address 2:	Not reported
City,State,Zip:	SAN MARCOS, CA 920690000
Contact:	B R SLAY
Telephone:	6197443240
Mailing Name:	Not reported
Mailing Address:	--
Year:	1987
Gepaid:	CAC000052349
TSD EPA ID:	CAD095894556
CA Waste Code:	222 - Oil/water separation sludge
Disposal Method:	D99 - Disposal, Other
Tons:	0.417

HWTS:

Name:	1X B R SLAY
Address:	961 GRAND AVENUE
Address 2:	Not reported
City,State,Zip:	SAN MARCOS, CA 92069
EPA ID:	CAC000052349
Inactive Date:	10/25/2000
Create Date:	12/08/1987
Last Act Date:	Not reported
Mailing Name:	Not reported
Mailing Address:	Not reported
Mailing Address 2:	Not reported
Mailing City,State,Zip:	SAN MARCOS, CA 920690000
Owner Name:	Not reported
Owner Address:	Not reported
Owner Address 2:	Not reported
Owner City,State,Zip:	Not reported
Contact Name:	B R SLAY
Contact Address:	Not reported
Contact Address 2:	Not reported
City,State,Zip:	Not reported
Facility Status:	Inactive
Facility Type:	TEMPORARY
Category:	STATE
Latitude:	33.139879
Longitude:	-117.183074

A9 **GRAND AVE DRAINAGE RD IMPROVEMENT PROJECT CIP 8821** **FINDS** **1025808709**
Target **961 983 1003 1023 GRAND AVENUE** **N/A**
Property **SAN MARCOS, CA 92063**

Site 9 of 15 in cluster A

Actual: **544 ft.**

FINDS:
Registry ID: 110070091131

Click Here for FRS Facility Detail Report:

Environmental Interest/Information System:
US National Pollutant Discharge Elimination System (NPDES) module of the Compliance Information System (ICIS) tracks surface water permits issued under the Clean Water Act. Under NPDES, all facilities that discharge pollutants from any point source into waters of the United States are required to obtain a permit. The permit will likely contain limits on what can be discharged, impose monitoring and reporting requirements, and include other provisions to ensure that the discharge does not adversely affect water quality.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

A10 **CITY OF SAN MARCOS - LAS POSAS REACH FLOOD PROTECT** **FINDS** **1023360735**
Target **961 - 1025 GRAND** **N/A**
Property **SAN MARCOS, CA 92069**

Site 10 of 15 in cluster A

Actual: **544 ft.**

FINDS:
Registry ID: 110066578894

Click Here for FRS Facility Detail Report:

Environmental Interest/Information System:
STATE MASTER

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

A11 **GRAND AVE DRAINAGE RD IMPROVEMENT PROJECT CIP 8821** **NPDES** **S124439532**
Target **961 983 1003 1023 GRAND AVENUE** **CIWQS** **N/A**
Property **SAN MARCOS, CA 92063**

Site 11 of 15 in cluster A

Actual: **544 ft.**

NPDES:

Name:	GRAND AVE DRAINAGE RD IMPROVEMENT PROJECT CIP 88214
Address:	961 983 1003 1023 GRAND AVENUE
City,State,Zip:	SAN MARCOS, CA 92063
Facility Status:	Not reported
NPDES Number:	Not reported
Region:	Not reported
Agency Number:	Not reported
Regulatory Measure ID:	Not reported
Place ID:	Not reported
Order Number:	Not reported
WDID:	9 37C358064
Regulatory Measure Type:	Construction
Program Type:	Not reported

GRAND AVE DRAINAGE RD IMPROVEMENT PROJECT CIP 88214 (Continued) **S124439532**

Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Discharge Address:	Not reported
Discharge Name:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
Status:	Terminated
Status Date:	03/12/2021
Operator Name:	San Marcos City
Operator Address:	1 Civic Center Dr
Operator City:	San Marcos
Operator State:	California
Operator Zip:	92069

NPDES as of 03/2018:

NPDES Number:	Not reported
Status:	Not reported
Agency Number:	Not reported
Region:	9
Regulatory Measure ID:	403188
Order Number:	Not reported
Regulatory Measure Type:	Construction
Place ID:	Not reported
WDID:	9 37C358064
Program Type:	Not reported
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	Not reported
Discharge Address:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
Received Date:	04/27/2010
Processed Date:	05/04/2010
Status:	Active
Status Date:	05/04/2010
Place Size:	2.56
Place Size Unit:	Acres
Contact:	Elias Gallegos
Contact Title:	Not reported
Contact Phone:	999-999-9999
Contact Phone Ext:	Not reported
Contact Email:	egallegos@san-marcos.net
Operator Name:	San Marcos City
Operator Address:	1 Civic Center Dr
Operator City:	San Marcos
Operator State:	California
Operator Zip:	92069
Operator Contact:	Reed Thornberry
Operator Contact Title:	Stormwater Program Manager
Operator Contact Phone:	760-744-1050
Operator Contact Phone Ext:	3217
Operator Contact Email:	rthornberry@san-marcos.net

GRAND AVE DRAINAGE RD IMPROVEMENT PROJECT CIP 88214 (Continued) **S124439532**

Operator Type:	City/Town Agency
Developer:	San Marcos City
Developer Address:	1 Civic Center Dr
Developer City:	San Marcos
Developer State:	California
Developer Zip:	92069-2918
Developer Contact:	Elias Gallegos
Developer Contact Title:	Senior Civil Engineer
Constype Linear Utility Ind:	N
Emergency Phone:	Not reported
Emergency Phone Ext:	Not reported
Constype Above Ground Ind:	N
Constype Below Ground Ind:	N
Constype Cable Line Ind:	N
Constype Comm Line Ind:	N
Constype Commertial Ind:	Y
Constype Electrical Line Ind:	N
Constype Gas Line Ind:	N
Constype Industrial Ind:	N
Constype Other Description:	Channel Improvement
Constype Other Ind:	Y
Constype Recons Ind:	N
Constype Residential Ind:	N
Constype Transport Ind:	N
Constype Utility Description:	Private Storm, water, sewer
Constype Utility Ind:	Y
Constype Water Sewer Ind:	N
Dir Discharge Uswater Ind:	N
Receiving Water Name:	Los Posas Reach Tributary
Certifier:	Reed Thornberry
Certifier Title:	Senior Civil Engineer
Certification Date:	22-APR-14
Primary Sic:	Not reported
Secondary Sic:	Not reported
Tertiary Sic:	Not reported
NPDES Number:	CAS000002
Status:	Active
Agency Number:	0
Region:	9
Regulatory Measure ID:	403188
Order Number:	2009-0009-DWQ
Regulatory Measure Type:	Enrollee
Place ID:	Not reported
WDID:	9 37C358064
Program Type:	Construction
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	05/04/2010
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	San Marcos City
Discharge Address:	1 Civic Center Dr
Discharge City:	San Marcos
Discharge State:	California
Discharge Zip:	92069
Received Date:	Not reported
Processed Date:	Not reported

GRAND AVE DRAINAGE RD IMPROVEMENT PROJECT CIP 88214 (Continued) **S124439532**

Status:	Not reported
Status Date:	Not reported
Place Size:	Not reported
Place Size Unit:	Not reported
Contact:	Not reported
Contact Title:	Not reported
Contact Phone:	Not reported
Contact Phone Ext:	Not reported
Contact Email:	Not reported
Operator Name:	Not reported
Operator Address:	Not reported
Operator City:	Not reported
Operator State:	Not reported
Operator Zip:	Not reported
Operator Contact:	Not reported
Operator Contact Title:	Not reported
Operator Contact Phone:	Not reported
Operator Contact Phone Ext:	Not reported
Operator Contact Email:	Not reported
Operator Type:	Not reported
Developer:	Not reported
Developer Address:	Not reported
Developer City:	Not reported
Developer State:	Not reported
Developer Zip:	Not reported
Developer Contact:	Not reported
Developer Contact Title:	Not reported
Constype Linear Utility Ind:	Not reported
Emergency Phone:	Not reported
Emergency Phone Ext:	Not reported
Constype Above Ground Ind:	Not reported
Constype Below Ground Ind:	Not reported
Constype Cable Line Ind:	Not reported
Constype Comm Line Ind:	Not reported
Constype Commertial Ind:	Not reported
Constype Electrical Line Ind:	Not reported
Constype Gas Line Ind:	Not reported
Constype Industrial Ind:	Not reported
Constype Other Description:	Not reported
Constype Other Ind:	Not reported
Constype Recons Ind:	Not reported
Constype Residential Ind:	Not reported
Constype Transport Ind:	Not reported
Constype Utility Description:	Not reported
Constype Utility Ind:	Not reported
Constype Water Sewer Ind:	Not reported
Dir Discharge Uswater Ind:	Not reported
Receiving Water Name:	Not reported
Certifier:	Not reported
Certifier Title:	Not reported
Certification Date:	Not reported
Primary Sic:	Not reported
Secondary Sic:	Not reported
Tertiary Sic:	Not reported

Name: GRAND AVE DRAINAGE RD IMPROVEMENT PROJECT CIP 88214

GRAND AVE DRAINAGE RD IMPROVEMENT PROJECT CIP 88214 (Continued) **S124439532**

Address:	961 983 1003 1023 GRAND AVENUE
City,State,Zip:	SAN MARCOS, CA 92063
Facility Status:	Terminated
NPDES Number:	CAS000002
Region:	9
Agency Number:	0
Regulatory Measure ID:	403188
Place ID:	Not reported
Order Number:	2009-0009-DWQ
WDID:	9 37C358064
Regulatory Measure Type:	Enrollee
Program Type:	Construction
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	05/04/2010
Termination Date Of Regulatory Measure:	03/12/2021
Expiration Date Of Regulatory Measure:	Not reported
Discharge Address:	1 Civic Center Dr
Discharge Name:	San Marcos City
Discharge City:	San Marcos
Discharge State:	California
Discharge Zip:	92069
Status:	Not reported
Status Date:	Not reported
Operator Name:	Not reported
Operator Address:	Not reported
Operator City:	Not reported
Operator State:	Not reported
Operator Zip:	Not reported

NPDES as of 03/2018:

NPDES Number:	Not reported
Status:	Not reported
Agency Number:	Not reported
Region:	9
Regulatory Measure ID:	403188
Order Number:	Not reported
Regulatory Measure Type:	Construction
Place ID:	Not reported
WDID:	9 37C358064
Program Type:	Not reported
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	Not reported
Discharge Address:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
Received Date:	04/27/2010
Processed Date:	05/04/2010
Status:	Active
Status Date:	05/04/2010
Place Size:	2.56
Place Size Unit:	Acres
Contact:	Elias Gallegos
Contact Title:	Not reported
Contact Phone:	999-999-9999

GRAND AVE DRAINAGE RD IMPROVEMENT PROJECT CIP 88214 (Continued) **S124439532**

Contact Phone Ext:	Not reported
Contact Email:	egallegos@san-marcos.net
Operator Name:	San Marcos City
Operator Address:	1 Civic Center Dr
Operator City:	San Marcos
Operator State:	California
Operator Zip:	92069
Operator Contact:	Reed Thornberry
Operator Contact Title:	Stormwater Program Manager
Operator Contact Phone:	760-744-1050
Operator Contact Phone Ext:	3217
Operator Contact Email:	rthornberry@san-marcos.net
Operator Type:	City/Town Agency
Developer:	San Marcos City
Developer Address:	1 Civic Center Dr
Developer City:	San Marcos
Developer State:	California
Developer Zip:	92069-2918
Developer Contact:	Elias Gallegos
Developer Contact Title:	Senior Civil Engineer
Constype Linear Utility Ind:	N
Emergency Phone:	Not reported
Emergency Phone Ext:	Not reported
Constype Above Ground Ind:	N
Constype Below Ground Ind:	N
Constype Cable Line Ind:	N
Constype Comm Line Ind:	N
Constype Commertial Ind:	Y
Constype Electrical Line Ind:	N
Constype Gas Line Ind:	N
Constype Industrial Ind:	N
Constype Other Description:	Channel Improvement
Constype Other Ind:	Y
Constype Recons Ind:	N
Constype Residential Ind:	N
Constype Transport Ind:	N
Constype Utility Description:	Private Storm, water, sewer
Constype Utility Ind:	Y
Constype Water Sewer Ind:	N
Dir Discharge Uswater Ind:	N
Receiving Water Name:	Los Posas Reach Tributary
Certifier:	Reed Thornberry
Certifier Title:	Senior Civil Engineer
Certification Date:	22-APR-14
Primary Sic:	Not reported
Secondary Sic:	Not reported
Tertiary Sic:	Not reported
NPDES Number:	CAS000002
Status:	Active
Agency Number:	0
Region:	9
Regulatory Measure ID:	403188
Order Number:	2009-0009-DWQ
Regulatory Measure Type:	Enrollee
Place ID:	Not reported
WDID:	9 37C358064

GRAND AVE DRAINAGE RD IMPROVEMENT PROJECT CIP 88214 (Continued) **S124439532**

Program Type:	Construction
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	05/04/2010
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	San Marcos City
Discharge Address:	1 Civic Center Dr
Discharge City:	San Marcos
Discharge State:	California
Discharge Zip:	92069
Received Date:	Not reported
Processed Date:	Not reported
Status:	Not reported
Status Date:	Not reported
Place Size:	Not reported
Place Size Unit:	Not reported
Contact:	Not reported
Contact Title:	Not reported
Contact Phone:	Not reported
Contact Phone Ext:	Not reported
Contact Email:	Not reported
Operator Name:	Not reported
Operator Address:	Not reported
Operator City:	Not reported
Operator State:	Not reported
Operator Zip:	Not reported
Operator Contact:	Not reported
Operator Contact Title:	Not reported
Operator Contact Phone:	Not reported
Operator Contact Phone Ext:	Not reported
Operator Contact Email:	Not reported
Operator Type:	Not reported
Developer:	Not reported
Developer Address:	Not reported
Developer City:	Not reported
Developer State:	Not reported
Developer Zip:	Not reported
Developer Contact:	Not reported
Developer Contact Title:	Not reported
Constype Linear Utility Ind:	Not reported
Emergency Phone:	Not reported
Emergency Phone Ext:	Not reported
Constype Above Ground Ind:	Not reported
Constype Below Ground Ind:	Not reported
Constype Cable Line Ind:	Not reported
Constype Comm Line Ind:	Not reported
Constype Commertial Ind:	Not reported
Constype Electrical Line Ind:	Not reported
Constype Gas Line Ind:	Not reported
Constype Industrial Ind:	Not reported
Constype Other Description:	Not reported
Constype Other Ind:	Not reported
Constype Recons Ind:	Not reported
Constype Residential Ind:	Not reported
Constype Transport Ind:	Not reported
Constype Utility Description:	Not reported
Constype Utility Ind:	Not reported

GRAND AVE DRAINAGE RD IMPROVEMENT PROJECT CIP 88214 (Continued) **S124439532**

Constype Water Sewer Ind:	Not reported
Dir Discharge Uswater Ind:	Not reported
Receiving Water Name:	Not reported
Certifier:	Not reported
Certifier Title:	Not reported
Certification Date:	Not reported
Primary Sic:	Not reported
Secondary Sic:	Not reported
Tertiary Sic:	Not reported

CIWQS:

Name:	GRAND AVE DRAINAGE RD IMPROVEMENT PROJECT CIP 88214
Address:	961 983 1003 1023 GRAND AVENUE
City,State,Zip:	SAN MARCOS, CA 92063
Agency:	San Marcos City
Agency Address:	1 Civic Center Dr, San Marcos, CA 92069
Place/Project Type:	Construction - Other: Channel Improvement, Transportation
SIC/NAICS:	Not reported
Region:	9
Program:	CONSTW
Regulatory Measure Status:	Terminated
Regulatory Measure Type:	Storm water construction
Order Number:	2009-0009-DWQ
WDID:	9 37C358064
NPDES Number:	CAS000002
Adoption Date:	Not reported
Effective Date:	05/04/2010
Termination Date:	03/12/2021
Expiration/Review Date:	Not reported
Design Flow:	Not reported
Major/Minor:	Not reported
Complexity:	Not reported
TTWQ:	Not reported
Enforcement Actions within 5 years:	0
Violations within 5 years:	0
Latitude:	33.14003
Longitude:	-117.18573

A12 **STAR BUILDERS SUPPLY OF SAN MA** **LUST** **U001572229**
Target **961 GRAND AVE** **HIST UST** **N/A**
Property **SAN MARCOS, CA 92069** **HIST CORTESE**
SAN DIEGO CO LOP
Site 12 of 15 in cluster A **CERS**

Actual: **544 ft.**

LUST:

Name:	STAR BUILDER SUPPLY
Address:	961 GRAND AV
City,State,Zip:	SAN MARCOS, CA 920692601
Lead Agency:	SAN DIEGO COUNTY LOP
Case Type:	LUST Cleanup Site
Geo Track:	http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0607303116
Global Id:	T0607303116
Latitude:	33.140096
Longitude:	-117.185687
Status:	Completed - Case Closed
Status Date:	06/20/1988

STAR BUILDERS SUPPLY OF SAN MA (Continued) **U001572229**

Case Worker:	Not reported
RB Case Number:	9UT872
Local Agency:	Not reported
File Location:	Local Agency
Local Case Number:	H03765-001
Potential Media Affect:	Soil
Potential Contaminants of Concern:	Gasoline
Site History:	Not reported

LUST:

Global Id:	T0607303116
Action Type:	Other
Date:	12/28/1987
Action:	Leak Began

Global Id:	T0607303116
Action Type:	Other
Date:	12/28/1987
Action:	Leak Reported

Global Id:	T0607303116
Action Type:	Other
Date:	12/28/1987
Action:	Leak Stopped

Global Id:	T0607303116
Action Type:	Other
Date:	12/28/1987
Action:	Leak Discovery

LUST:

Global Id:	T0607303116
Status:	Open - Case Begin Date
Status Date:	12/28/1987

Global Id:	T0607303116
Status:	Completed - Case Closed
Status Date:	06/20/1988

HIST UST:

Name:	STAR BUILDERS SUPPLY OF SAN MA
Address:	961 GRAND AVE
City,State,Zip:	SAN MARCOS, CA 92069
File Number:	Not reported
URL:	Not reported
Region:	STATE
Facility ID:	00000004457
Facility Type:	Other
Other Type:	BUILDING SUPPLY SALE
Contact Name:	B. R. SLAY
Telephone:	6197443240
Owner Name:	STAR BUILDERS SUPPLY OF SAN MA
Owner Address:	961 GRAND AVENUE
Owner City,St,Zip:	SAN MARCOS, CA 92069
Total Tanks:	0001

STAR BUILDERS SUPPLY OF SAN MA (Continued) **U001572229**

Tank Num:	001
Container Num:	1
Year Installed:	1970
Tank Capacity:	00001000
Tank Used for:	PRODUCT
Type of Fuel:	UNLEADED
Container Construction Thickness:	12
Leak Detection:	Stock Inventor

HIST CORTESE:

edr_fname:	STAR BUILDERS SUPPLY
edr_fadd1:	961 GRAND
City,State,Zip:	SAN MARCOS, CA 92069
Region:	CORTESE
Facility County Code:	37
Reg By:	LTNKA
Reg Id:	9UT872

SAN DIEGO CO LOP:

Name:	STAR BUILDER SUPPLY
Address:	961 GRAND AVE
City,State,Zip:	SAN MARCOS, CA 92069
Record ID:	DEH1987-LSAM-H03765-001
Record Status:	Completed
Opened Date:	12/28/1987
Parcel Number:	219-152-40-00
Case Type:	LOP - Local Oversight Program
Historical Name:	STAR BUILDER SUPPLY
SWRCB Global ID:	T0607303116
Funding:	F - LOP Federal Fund
Lead Agency:	DEH/SAM
Lead Agency Date:	01/05/1988
Census Tract:	200.29
Community:	San Marcos
Jurisdiction:	SAN MARCOS
Watershed Basin Number:	904.52
Water Purveyor:	VALLECITOS WATER DISTRICT
Fire Agency:	SAN MARCOS FIRE PROT DIST
Latitude:	33.1400311
Longitude:	-117.1857302
X MapCoord:	6275271.975
Y MapCoord:	1995902.570

CERS:

Name:	STAR BUILDER SUPPLY
Address:	961 GRAND AV
City,State,Zip:	SAN MARCOS, CA 920692601
Site ID:	237302
CERS ID:	T0607303116
CERS Description:	Leaking Underground Storage Tank Cleanup Site

A13 **STAR BUILDER SUPPLY** **RGA LUST** **S114695684**
Target **961 GRAND AV** **N/A**
Property **SAN MARCOS, CA**

Site 13 of 15 in cluster A

Actual: **544 ft.**

RGA LUST:

Name:	STAR BUILDER SUPPLY		
Address:	961 GRAND AV		
City:	SAN MARCOS		
State:	SAN MARCOS		
	2012	STAR BUILDER SUPPLY	961 GRAND AV
Name:	STAR BUILDER SUPPLY		
Address:	961 GRAND AV		
City:	SAN MARCOS		
State:	SAN MARCOS		
	2011	STAR BUILDER SUPPLY	961 GRAND AV
Name:	STAR BUILDER SUPPLY		
Address:	961 GRAND AV		
City:	SAN MARCOS		
State:	SAN MARCOS		
	2010	STAR BUILDER SUPPLY	961 GRAND AV
Name:	STAR BUILDER SUPPLY		
Address:	961 GRAND AV		
City:	SAN MARCOS		
State:	SAN MARCOS		
	2009	STAR BUILDER SUPPLY	961 GRAND AV
Name:	STAR BUILDER SUPPLY		
Address:	961 GRAND AV		
City:	SAN MARCOS		
State:	SAN MARCOS		
	2008	STAR BUILDER SUPPLY	961 GRAND AV
Name:	STAR BUILDER SUPPLY		
Address:	961 GRAND AV		
City:	SAN MARCOS		
State:	SAN MARCOS		
	2007	STAR BUILDER SUPPLY	961 GRAND AV
Name:	STAR BUILDER SUPPLY		
Address:	961 GRAND AV		
City:	SAN MARCOS		
State:	SAN MARCOS		
	2006	STAR BUILDER SUPPLY	961 GRAND AV
Name:	STAR BUILDER SUPPLY		
Address:	961 GRAND AV		
City:	SAN MARCOS		
State:	SAN MARCOS		
	2005	STAR BUILDER SUPPLY	961 GRAND AV
Name:	STAR BUILDER SUPPLY		
Address:	961 GRAND AV		
City:	SAN MARCOS		
State:	SAN MARCOS		
	2003	STAR BUILDER SUPPLY	961 GRAND AV

A14 **GW EXTRACTION, LAS POSAS REACH FLOOD PROTECTION CO** **FINDS** **1023704070**
Target **961 - 1025 GRAND** **ECHO** **N/A**
Property **SAN MARCOS, CA 92069**

Site 14 of 15 in cluster A

Actual:
544 ft.

FINDS:
Registry ID: 110070102618

Click Here for FRS Facility Detail Report:

Environmental Interest/Information System:
US National Pollutant Discharge Elimination System (NPDES) module of the Compliance Information System (ICIS) tracks surface water permits issued under the Clean Water Act. Under NPDES, all facilities that discharge pollutants from any point source into waters of the United States are required to obtain a permit. The permit will likely contain limits on what can be discharged, impose monitoring and reporting requirements, and include other provisions to ensure that the discharge does not adversely affect water quality.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:

Envid:	1023704070
Registry ID:	110070102618
DFR URL:	http://echo.epa.gov/detailed-facility-report?fid=110070102618
Name:	GW EXTRACTION, LAS POSAS REACH FLOOD PROTECTION CONST DEWAT, CITY OF SAN MARCOS
Address:	961 - 1025 GRAND
City,State,Zip:	SAN MARCOS, CA 92069

B15 **ASTLEFORD CONSTRUCTION INC** **RCRA-SQG** **1000348223**
1010 LINDA VISTA DR **LUST** **CAD982009011**
< 1/8 **SAN MARCOS, CA 92078** **AST**
1 ft. **San Diego Co. HMMD**

Site 1 of 16 in cluster B **SWEEPS UST**
HIST UST
Relative: **FINDS**
Lower **ECHO**
Actual: **Cortese**
541 ft. **HAZNET**
NPDES
SAN DIEGO CO LOP
CERS
HWTS

RCRA Listings:

Date Form Received by Agency:	19960827
Handler Name:	ASTLEFORD CONSTRUCTION INC
Handler Address:	1010 LINDA VISTA DR
Handler City,State,Zip:	SAN MARCOS, CA 92069
EPA ID:	CAD982009011
Contact Name:	DAN HOLBROOK
Contact Address:	1010 LINDA VISTA DR
Contact City,State,Zip:	SAN MARCOS, CA 92069
Contact Telephone:	619-744-0630
Contact Fax:	Not reported
Contact Email:	Not reported
Contact Title:	Not reported

ASTLEFORD CONSTRUCTION INC (Continued) **1000348223**

EPA Region:	09
Land Type:	Private
Federal Waste Generator Description:	Small Quantity Generator
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Handler Activities
State District Owner:	CA
State District:	4
Mailing Address:	1010 LINDA VISTA DR
Mailing City,State,Zip:	SAN MARCOS, CA 92069
Owner Name:	ASTLEFORD CONSTRUCTION INC
Owner Type:	Private
Operator Name:	NOT REQUIRED
Operator Type:	Private
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	NN
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported

ASTLEFORD CONSTRUCTION INC (Continued) **1000348223**

Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20020627
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	Not reported
Manifest Broker:	Not reported
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name: ASTLEFORD CONSTRUCTION INC	
Legal Status:	Private
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	1010 LINDA VISTA DR
Owner/Operator City,State,Zip:	SAN MARCOS, CA 92069
Owner/Operator Telephone:	619-744-0630
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name: NOT REQUIRED	
Legal Status:	Private
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	NOT REQUIRED
Owner/Operator City,State,Zip:	NOT REQUIRED, ME 99999
Owner/Operator Telephone:	415-555-1212
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	19960827
Handler Name: ASTLEFORD CONSTRUCTION INC	
Federal Waste Generator Description:	Small Quantity Generator
State District Owner:	CA
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

List of NAICS Codes and Descriptions:

NAICS Codes:	No NAICS Codes Found

ASTLEFORD CONSTRUCTION INC (Continued) **1000348223**

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

LUST:

Name:	GRAND CHANNEL BRIDGE PROJECT - CITY OF SAN MARCOS
Address:	1010 LINDA VISTA DRIVE
City,State,Zip:	SAN MARCOS, CA 92069
Lead Agency:	SAN DIEGO COUNTY LOP
Case Type:	LUST Cleanup Site
Geo Track:	http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T10000006374
Global Id:	T10000006374
Latitude:	33.1395750978303
Longitude:	-117.186718626984
Status:	Completed - Case Closed
Status Date:	05/09/2017
Case Worker:	EM
RB Case Number:	Not reported
Local Agency:	SAN DIEGO COUNTY LOP
File Location:	Local Agency
Local Case Number:	DEH2014-LSAM-000278
Potential Media Affect:	Soil
Potential Contaminants of Concern:	Diesel
Site History:	This site is currently vacant land to be graded and developed by the city into a single span bridge on the northern portion of the site. This release was opened in 2014 due to elevated soil and groundwater samples with gasoline and diesel. Three phases of investigation were completed between October 2009 and April 2014. The elevated hydrocarbons in soil and groundwater were located in the area where five underground storage tanks and dispenser islands were removed in 1991. Five monitoring wells (MWs) were installed in October 2015. Three quarterly sampling events did not reveal any detectable levels of contaminants in groundwater. Figure 3 of the Second and Third Quarter Groundwater Monitoring Report shows the location of the five wells and groundwater flow direction. Figure 4 of that report shows historical concentrations of the MWs. It should be noted that the groundwater concentrations from B1-GW, B2-GW, B3-GW, B4-GW, B7-GW & B9-GW on Figure 4 are from soil boring grab groundwater samples taken in 2009 and are not considered to be representative groundwater concentrations at the site. The Second and Third Quarter 2016 Groundwater Monitoring Report dated November 11, 2016 included the evaluation and request for closure using the Low Threat Closure Policy (LTCP) closure because: Groundwater has not been impacted (soils-only case) based on the data from the five monitoring wells indicating Non Detect (ND) in all sampling events. There are no health risks to current structures since the site is a vacant lot. Soil impacts are limited to diesel. The consultant states that approximately 130 cubic yards of soil remains on site with over 100 mg/kg TPH. This soil is located in northern portion of the site in the area of the four former 12,000 gallon diesel tanks from 2’ -7’ bgs per Figures 4 & 5 of the 2016 Site Assessment Report. DEH concurs with the consultants conclusions and approves case closure by low risk criteria. Permit #DEH2017-LMWP-002801 was issued by DEH for

ASTLEFORD CONSTRUCTION INC (Continued) **1000348223**

destruction of the 5 wells associated with the site.

LUST:
Global Id: T10000006374
Contact Type: Local Agency Caseworker
Contact Name: EWAN MOFFAT
Organization Name: SAN DIEGO COUNTY LOP
Address: P.O. Box 129261
City: San Diego
Email: ewan.moffat@sdcounty.ca.gov
Phone Number: Not reported

LUST:
Global Id: T10000006374
Action Type: Other
Date: 04/16/1991
Action: Leak Began

Global Id: T10000006374
Action Type: ENFORCEMENT
Date: 05/09/2017
Action: Closure/No Further Action Letter

Global Id: T10000006374
Action Type: RESPONSE
Date: 04/07/2015
Action: Soil and Water Investigation Workplan - Regulator Responded

Global Id: T10000006374
Action Type: RESPONSE
Date: 02/29/2016
Action: Site Assessment Report - Regulator Responded

Global Id: T10000006374
Action Type: RESPONSE
Date: 11/11/2016
Action: Monitoring Report - Semi-Annually

Global Id: T10000006374
Action Type: Other
Date: 04/30/2014
Action: Leak Discovery

Global Id: T10000006374
Action Type: ENFORCEMENT
Date: 02/19/2015
Action: Technical Correspondence / Assistance / Other

Global Id: T10000006374
Action Type: ENFORCEMENT
Date: 12/17/2014
Action: Notice of Responsibility

Global Id: T10000006374
Action Type: Other
Date: 11/05/2014
Action: Leak Reported

ASTLEFORD CONSTRUCTION INC (Continued) **1000348223**

LUST:

Global Id:	T10000006374
Status:	Open - Case Begin Date
Status Date:	04/16/1991
Global Id:	T10000006374
Status:	Open - Site Assessment
Status Date:	12/12/2014
Global Id:	T10000006374
Status:	Completed - Case Closed
Status Date:	05/09/2017

AST:

Name:	ASTLEFORD CONSTRUCTION INC
Address:	1010 LINDA VISTA DR
City/Zip:	SAN MARCOS,
Certified Unified Program Agencies:	San Diego
Owner:	ASTLEFORD CONSTRUCTION INC
Total Gallons:	2400
CERSID:	Not reported
Facility ID:	Not reported
Business Name:	Not reported
Phone:	Not reported
Fax:	Not reported
Mailing Address:	Not reported
Mailing Address City:	Not reported
Mailing Address State:	Not reported
Mailing Address Zip Code:	Not reported
Operator Name:	Not reported
Operator Phone:	Not reported
Owner Phone:	Not reported
Owner Mail Address:	Not reported
Owner State:	Not reported
Owner Zip Code:	Not reported
Owner Country:	Not reported
Property Owner Name:	Not reported
Property Owner Phone:	Not reported
Property Owner Mailing Address:	Not reported
Property Owner City:	Not reported
Property Owner Stat :	Not reported
Property Owner Zip Code:	Not reported
Property Owner Country:	Not reported
EPAID:	Not reported

HMMD SAN DIEGO:

Name:	TNT BLANCHARD
Address:	1010 LINDA VISTA DR
City,State,Zip:	SAN MARCOS, CA 92078
Permit Number:	211950
Business Type:	6HK70
EPA Id Number:	CAL000221946
APN:	219-152-08-00
Last HMMD Inspection:	03/26/2010
Facility Telephone:	760-736-4054

ASTLEFORD CONSTRUCTION INC (Continued) **1000348223**

Permit Status:	SUSP
Permit Expiration:	07/31/2012
Date Last Updated:	11/02/2012
Facility Owner:	BARRY BLANCHARD
Facility Mailing Address:	529 W 04TH AV #B
Facility Mailing City:	Escondido
Facility Mailing State:	CA
Facility Mailing Zip:	92025
UST Owner:	Not reported
Handle Regulated Hazmat:	Y
Own Or Operate UST:	Not reported
Subject To APSA:	Y
Generate Haz Waste:	Y
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

Inventory Active Permits (not SQG Medical):

Permit Number:	211950
Update Date:	11/02/2012
Case Number:	74-86-2
Name:	ACETYLENE COMPRESSED GAS
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	PRESSURE RELEASE
Hazardous Categories 2:	Not reported

Permit Number:	211950
Update Date:	11/02/2012
Case Number:	68334-30-5
Name:	DIESEL FUEL
Other Information:	(2 X 1000 G + 2 X 450 G)
Material Waste:	Material
Hazardous Categories 1:	CHRONIC
Hazardous Categories 2:	Not reported

Permit Number:	211950
Update Date:	11/02/2012
Case Number:	107-21-1
Name:	ETHYLENE GLYCOL
Other Information:	ANTIFREEZE
Material Waste:	Material
Hazardous Categories 1:	ACUTE
Hazardous Categories 2:	Not reported

Permit Number:	211950
Update Date:	11/02/2012
Case Number:	8002-05-9
Name:	LUBRICATING OIL
Other Information:	(900 + 600 G TANKS)
Material Waste:	Material
Hazardous Categories 1:	CHRONIC
Hazardous Categories 2:	Not reported

Permit Number:	211950
Update Date:	11/02/2012
Case Number:	7782-44-7
Name:	OXYGEN COMPRESSED GAS
Other Information:	Not reported

ASTLEFORD CONSTRUCTION INC (Continued) **1000348223**

Material Waste: Material
Hazardous Categories 1: PRESSURE RELEASE
Hazardous Categories 2: Not reported

Permit Number: 211950
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 135 UNSPECIFIED AQUEOUS SOL'N
Other Information: ANTIFREEZE WASTE
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 211950
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 213 HYDROCARBON SOLVENTS
Other Information: PARTS CLEANER
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 211950
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 221 WASTE OIL & MIXED OIL
Other Information: USED OIL (2 TANKS)
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 211950
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 444 USED BATTERIES
Other Information: WASTE BATTERIES
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 211950
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 888 USED OIL FILTERS
Other Information: USED OIL FILTERS
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Violations Active Permits:
Permit Number: 211950
Update Date: 11/02/2012
Inspection Date: 03/26/2010
Violation Code: 6HV0131
Violation: UPF Permit NOT OBTAINED for HAZWASTE
Violation Citation: A Unified Program Facility permit has not been obtained for the generation of hazardous waste. 68.905

ASTLEFORD CONSTRUCTION INC (Continued) **1000348223**

Activity: SUSP

Permit Number: 211950
Update Date: 11/02/2012
Inspection Date: 03/26/2010
Violation Code: 6HV1001
Violation: NO UPF PERMIT FOR HAZMATS
Violation Citation: A Unified Program Facility permit has not been obtained for hazardous materials. 68.905
Activity: SUSP

Permit Number: 211950
Update Date: 11/02/2012
Inspection Date: 03/26/2010
Violation Code: 6HV1002
Violation: HMBP NOT ESTABISHED/IMPLEMENTED.
Violation Citation: Hazardous materials handler has not established/implemented a business plan. HSC 25503.5(a)
Activity: SUSP

Name: TNT BLANCHARD
Address: 1010 LINDA VISTA DR
City,State,Zip: SAN MARCOS, CA 92078
Permit Number: 211950
Business Type: 6HK70
EPA Id Number: CAL000221946
APN: 219-152-08-00
Last HMMD Inspection: 03/26/2010
Facility Telephone: 760-736-4054
Permit Status: SUSP
Permit Expiration: 07/31/2012
Date Last Updated: 11/02/2012
Facility Owner: BARRY BLANCHARD
Facility Mailing Address: 529 W 04TH AV #B
Facility Mailing City: Escondido
Facility Mailing State: CA
Facility Mailing Zip: 92025
UST Owner: Not reported
Handle Regulated Hazmat: Y
Own Or Operate UST: Not reported
Subject To APSA: Not reported
Generate Haz Waste: Y
Treat Haz Waste: Not reported
Generate Medical Waste: Not reported

Inventory Active Permits (not SQG Medical):
Permit Number: 211950
Update Date: 11/02/2012
Case Number: 74-86-2
Name: ACETYLENE COMPRESSED GAS
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: PRESSURE RELEASE
Hazardous Categories 2: Not reported

Permit Number: 211950
Update Date: 11/02/2012

ASTLEFORD CONSTRUCTION INC (Continued) **1000348223**

Case Number:	68334-30-5
Name:	DIESEL FUEL
Other Information:	(2 X 1000 G + 2 X 450 G)
Material Waste:	Material
Hazardous Categories 1:	CHRONIC
Hazardous Categories 2:	Not reported
Permit Number:	211950
Update Date:	11/02/2012
Case Number:	107-21-1
Name:	ETHYLENE GLYCOL
Other Information:	ANTIFREEZE
Material Waste:	Material
Hazardous Categories 1:	ACUTE
Hazardous Categories 2:	Not reported
Permit Number:	211950
Update Date:	11/02/2012
Case Number:	8002-05-9
Name:	LUBRICATING OIL
Other Information:	(900 + 600 G TANKS)
Material Waste:	Material
Hazardous Categories 1:	CHRONIC
Hazardous Categories 2:	Not reported
Permit Number:	211950
Update Date:	11/02/2012
Case Number:	7782-44-7
Name:	OXYGEN COMPRESSED GAS
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	PRESSURE RELEASE
Hazardous Categories 2:	Not reported
Permit Number:	211950
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 135 UNSPECIFIED AQUEOUS SOL'N
Other Information:	ANTIFREEZE WASTE
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported
Permit Number:	211950
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 213 HYDROCARBON SOLVENTS
Other Information:	PARTS CLEANER
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported
Permit Number:	211950
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 221 WASTE OIL & MIXED OIL
Other Information:	USED OIL (2 TANKS)

ASTLEFORD CONSTRUCTION INC (Continued) **1000348223**

Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 211950
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 444 USED BATTERIES
Other Information: WASTE BATTERIES
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 211950
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 888 USED OIL FILTERS
Other Information: USED OIL FILTERS
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Violations Active Permits:
Permit Number: 211950
Update Date: 11/02/2012
Inspection Date: 03/26/2010
Violation Code: 6HV0131
Violation: UPF Permit NOT OBTAINED for HAZWASTE
Violation Citation: A Unified Program Facility permit has not been obtained for the generation of hazardous waste. 68.905
Activity: SUSP

Permit Number: 211950
Update Date: 11/02/2012
Inspection Date: 03/26/2010
Violation Code: 6HV1001
Violation: NO UPF PERMIT FOR HAZMATS
Violation Citation: A Unified Program Facility permit has not been obtained for hazardous materials. 68.905
Activity: SUSP

Permit Number: 211950
Update Date: 11/02/2012
Inspection Date: 03/26/2010
Violation Code: 6HV1002
Violation: HMBP NOT ESTABISHED/IMPLEMENTED.
Violation Citation: Hazardous materials handler has not established/implemented a business plan. HSC 25503.5(a)
Activity: SUSP

Name: TNT BLANCHARD
Address: 1010 LINDA VISTA DR
City,State,Zip: SAN MARCOS, CA 92078
Permit Number: 211950
Business Type: 6HK70
EPA Id Number: CAL000221946

ASTLEFORD CONSTRUCTION INC (Continued) **1000348223**

APN:	219-152-08-00
Last HMMD Inspection:	03/26/2010
Facility Telephone:	760-736-4054
Permit Status:	SUSP
Permit Expiration:	07/31/2012
Date Last Updated:	11/02/2012
Facility Owner:	BARRY BLANCHARD
Facility Mailing Address:	529 W 04TH AV #B
Facility Mailing City:	Escondido
Facility Mailing State:	CA
Facility Mailing Zip:	92025
UST Owner:	Not reported
Handle Regulated Hazmat:	Y
Own Or Operate UST:	Not reported
Subject To APSA:	Y
Generate Haz Waste:	Y
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

Inventory Active Permits (not SQG Medical):

Permit Number:	211950
Update Date:	11/02/2012
Case Number:	74-86-2
Name:	ACETYLENE COMPRESSED GAS
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	PRESSURE RELEASE
Hazardous Categories 2:	Not reported

Permit Number:	211950
Update Date:	11/02/2012
Case Number:	68334-30-5
Name:	DIESEL FUEL
Other Information:	(2 X 1000 G + 2 X 450 G)
Material Waste:	Material
Hazardous Categories 1:	CHRONIC
Hazardous Categories 2:	Not reported

Permit Number:	211950
Update Date:	11/02/2012
Case Number:	107-21-1
Name:	ETHYLENE GLYCOL
Other Information:	ANTIFREEZE
Material Waste:	Material
Hazardous Categories 1:	ACUTE
Hazardous Categories 2:	Not reported

Permit Number:	211950
Update Date:	11/02/2012
Case Number:	8002-05-9
Name:	LUBRICATING OIL
Other Information:	(900 + 600 G TANKS)
Material Waste:	Material
Hazardous Categories 1:	CHRONIC
Hazardous Categories 2:	Not reported

Permit Number:	211950
Update Date:	11/02/2012

ASTLEFORD CONSTRUCTION INC (Continued) **1000348223**

Case Number: 7782-44-7
Name: OXYGEN COMPRESSED GAS
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: PRESSURE RELEASE
Hazardous Categories 2: Not reported

Permit Number: 211950
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 135 UNSPECIFIED AQUEOUS SOL'N
Other Information: ANTIFREEZE WASTE
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 211950
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 213 HYDROCARBON SOLVENTS
Other Information: PARTS CLEANER
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 211950
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 221 WASTE OIL & MIXED OIL
Other Information: USED OIL (2 TANKS)
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 211950
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 444 USED BATTERIES
Other Information: WASTE BATTERIES
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 211950
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 888 USED OIL FILTERS
Other Information: USED OIL FILTERS
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Violations Active Permits:
Permit Number: 211950
Update Date: 11/02/2012
Inspection Date: 03/26/2010
Violation Code: 6HV0131

ASTLEFORD CONSTRUCTION INC (Continued) **1000348223**

Violation:	UPF Permit NOT OBTAINED for HAZWASTE
Violation Citation:	A Unified Program Facility permit has not been obtained for the generation of hazardous waste. 68.905
Activity:	SUSP
Permit Number:	211950
Update Date:	11/02/2012
Inspection Date:	03/26/2010
Violation Code:	6HV1001
Violation:	NO UPF PERMIT FOR HAZMATS
Violation Citation:	A Unified Program Facility permit has not been obtained for hazardous materials. 68.905
Activity:	SUSP
Permit Number:	211950
Update Date:	11/02/2012
Inspection Date:	03/26/2010
Violation Code:	6HV1002
Violation:	HMBP NOT ESTABISHED/IMPLEMENTED.
Violation Citation:	Hazardous materials handler has not established/implemented a business plan. HSC 25503.5(a)
Activity:	SUSP
Name:	TNT BLANCHARD
Address:	1010 LINDA VISTA DR
City,State,Zip:	SAN MARCOS, CA 92078
Permit Number:	211950
Business Type:	6HK70
EPA Id Number:	CAL000221946
APN:	219-152-08-00
Last HMMD Inspection:	03/26/2010
Facility Telephone:	760-736-4054
Permit Status:	SUSP
Permit Expiration:	07/31/2012
Date Last Updated:	11/02/2012
Facility Owner:	BARRY BLANCHARD
Facility Mailing Address:	529 W 04TH AV #B
Facility Mailing City:	Escondido
Facility Mailing State:	CA
Facility Mailing Zip:	92025
UST Owner:	Not reported
Handle Regulated Hazmat:	Y
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Y
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

Inventory Active Permits (not SQG Medical):

Permit Number:	211950
Update Date:	11/02/2012
Case Number:	74-86-2
Name:	ACETYLENE COMPRESSED GAS
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	PRESSURE RELEASE
Hazardous Categories 2:	Not reported

ASTLEFORD CONSTRUCTION INC (Continued) **1000348223**

Permit Number:	211950
Update Date:	11/02/2012
Case Number:	68334-30-5
Name:	DIESEL FUEL
Other Information:	(2 X 1000 G + 2 X 450 G)
Material Waste:	Material
Hazardous Categories 1:	CHRONIC
Hazardous Categories 2:	Not reported

Permit Number:	211950
Update Date:	11/02/2012
Case Number:	107-21-1
Name:	ETHYLENE GLYCOL
Other Information:	ANTIFREEZE
Material Waste:	Material
Hazardous Categories 1:	ACUTE
Hazardous Categories 2:	Not reported

Permit Number:	211950
Update Date:	11/02/2012
Case Number:	8002-05-9
Name:	LUBRICATING OIL
Other Information:	(900 + 600 G TANKS)
Material Waste:	Material
Hazardous Categories 1:	CHRONIC
Hazardous Categories 2:	Not reported

Permit Number:	211950
Update Date:	11/02/2012
Case Number:	7782-44-7
Name:	OXYGEN COMPRESSED GAS
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	PRESSURE RELEASE
Hazardous Categories 2:	Not reported

Permit Number:	211950
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 135 UNSPECIFIED AQUEOUS SOL'N
Other Information:	ANTIFREEZE WASTE
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Permit Number:	211950
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 213 HYDROCARBON SOLVENTS
Other Information:	PARTS CLEANER
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Permit Number:	211950
Update Date:	11/02/2012
Case Number:	Not reported

ASTLEFORD CONSTRUCTION INC (Continued) **1000348223**

Name: WASTE 221 WASTE OIL & MIXED OIL
Other Information: USED OIL (2 TANKS)
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 211950
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 444 USED BATTERIES
Other Information: WASTE BATTERIES
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 211950
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 888 USED OIL FILTERS
Other Information: USED OIL FILTERS
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Violations Active Permits:
Permit Number: 211950
Update Date: 11/02/2012
Inspection Date: 03/26/2010
Violation Code: 6HV0131
Violation: UPF Permit NOT OBTAINED for HAZWASTE
Violation Citation: A Unified Program Facility permit has not been obtained for the generation of hazardous waste. 68.905
Activity: SUSP

Permit Number: 211950
Update Date: 11/02/2012
Inspection Date: 03/26/2010
Violation Code: 6HV1001
Violation: NO UPF PERMIT FOR HAZMATS
Violation Citation: A Unified Program Facility permit has not been obtained for hazardous materials. 68.905
Activity: SUSP

Permit Number: 211950
Update Date: 11/02/2012
Inspection Date: 03/26/2010
Violation Code: 6HV1002
Violation: HMBP NOT ESTABISHED/IMPLEMENTED.
Violation Citation: Hazardous materials handler has not established/implemented a business plan. HSC 25503.5(a)
Activity: SUSP

Name: TNT BLANCHARD
Address: 1010 LINDA VISTA DR
City,State,Zip: SAN MARCOS, CA 92078
Permit Number: 211950

ASTLEFORD CONSTRUCTION INC (Continued) **1000348223**

Business Type:	6HK70
EPA Id Number:	CAL000221946
APN:	219-152-08-00
Last HMMD Inspection:	03/26/2010
Facility Telephone:	760-736-4054
Permit Status:	SUSP
Permit Expiration:	07/31/2012
Date Last Updated:	11/02/2012
Facility Owner:	BARRY BLANCHARD
Facility Mailing Address:	529 W 04TH AV #B
Facility Mailing City:	Escondido
Facility Mailing State:	CA
Facility Mailing Zip:	92025
UST Owner:	Not reported
Handle Regulated Hazmat:	Y
Own Or Operate UST:	Not reported
Subject To APSA:	Y
Generate Haz Waste:	Y
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

Inventory Active Permits (not SQG Medical):

Permit Number:	211950
Update Date:	11/02/2012
Case Number:	74-86-2
Name:	ACETYLENE COMPRESSED GAS
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	PRESSURE RELEASE
Hazardous Categories 2:	Not reported

Permit Number:	211950
Update Date:	11/02/2012
Case Number:	68334-30-5
Name:	DIESEL FUEL
Other Information:	(2 X 1000 G + 2 X 450 G)
Material Waste:	Material
Hazardous Categories 1:	CHRONIC
Hazardous Categories 2:	Not reported

Permit Number:	211950
Update Date:	11/02/2012
Case Number:	107-21-1
Name:	ETHYLENE GLYCOL
Other Information:	ANTIFREEZE
Material Waste:	Material
Hazardous Categories 1:	ACUTE
Hazardous Categories 2:	Not reported

Permit Number:	211950
Update Date:	11/02/2012
Case Number:	8002-05-9
Name:	LUBRICATING OIL
Other Information:	(900 + 600 G TANKS)
Material Waste:	Material
Hazardous Categories 1:	CHRONIC
Hazardous Categories 2:	Not reported

ASTLEFORD CONSTRUCTION INC (Continued) **1000348223**

Permit Number:	211950
Update Date:	11/02/2012
Case Number:	7782-44-7
Name:	OXYGEN COMPRESSED GAS
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	PRESSURE RELEASE
Hazardous Categories 2:	Not reported

Permit Number:	211950
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 135 UNSPECIFIED AQUEOUS SOL'N
Other Information:	ANTIFREEZE WASTE
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Permit Number:	211950
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 213 HYDROCARBON SOLVENTS
Other Information:	PARTS CLEANER
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Permit Number:	211950
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 221 WASTE OIL & MIXED OIL
Other Information:	USED OIL (2 TANKS)
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Permit Number:	211950
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 444 USED BATTERIES
Other Information:	WASTE BATTERIES
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Permit Number:	211950
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 888 USED OIL FILTERS
Other Information:	USED OIL FILTERS
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Violations Active Permits:

Permit Number:	211950
Update Date:	11/02/2012

ASTLEFORD CONSTRUCTION INC (Continued) **1000348223**

Inspection Date:	03/26/2010
Violation Code:	6HV0131
Violation:	UPF Permit NOT OBTAINED for HAZWASTE
Violation Citation:	A Unified Program Facility permit has not been obtained for the generation of hazardous waste. 68.905
Activity:	SUSP
Permit Number:	211950
Update Date:	11/02/2012
Inspection Date:	03/26/2010
Violation Code:	6HV1001
Violation:	NO UPF PERMIT FOR HAZMATS
Violation Citation:	A Unified Program Facility permit has not been obtained for hazardous materials. 68.905
Activity:	SUSP
Permit Number:	211950
Update Date:	11/02/2012
Inspection Date:	03/26/2010
Violation Code:	6HV1002
Violation:	HMBP NOT ESTABISHED/IMPLEMENTED.
Violation Citation:	Hazardous materials handler has not established/implemented a business plan. HSC 25503.5(a)
Activity:	SUSP

Name:	TNT BLANCHARD
Address:	1010 LINDA VISTA DR
City,State,Zip:	SAN MARCOS, CA 92078
Permit Number:	211950
Business Type:	6HK70
EPA Id Number:	CAL000221946
APN:	219-152-08-00
Last HMMD Inspection:	03/26/2010
Facility Telephone:	760-736-4054
Permit Status:	SUSP
Permit Expiration:	07/31/2012
Date Last Updated:	11/02/2012
Facility Owner:	BARRY BLANCHARD
Facility Mailing Address:	529 W 04TH AV #B
Facility Mailing City:	Escondido
Facility Mailing State:	CA
Facility Mailing Zip:	92025
UST Owner:	Not reported
Handle Regulated Hazmat:	Y
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Y
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

Inventory Active Permits (not SQG Medical):

Permit Number:	211950
Update Date:	11/02/2012
Case Number:	74-86-2
Name:	ACETYLENE COMPRESSED GAS
Other Information:	Not reported
Material Waste:	Material

ASTLEFORD CONSTRUCTION INC (Continued) **1000348223**

Hazardous Categories 1: PRESSURE RELEASE
Hazardous Categories 2: Not reported

Permit Number: 211950
Update Date: 11/02/2012
Case Number: 68334-30-5
Name: DIESEL FUEL
Other Information: (2 X 1000 G + 2 X 450 G)
Material Waste: Material
Hazardous Categories 1: CHRONIC
Hazardous Categories 2: Not reported

Permit Number: 211950
Update Date: 11/02/2012
Case Number: 107-21-1
Name: ETHYLENE GLYCOL
Other Information: ANTIFREEZE
Material Waste: Material
Hazardous Categories 1: ACUTE
Hazardous Categories 2: Not reported

Permit Number: 211950
Update Date: 11/02/2012
Case Number: 8002-05-9
Name: LUBRICATING OIL
Other Information: (900 + 600 G TANKS)
Material Waste: Material
Hazardous Categories 1: CHRONIC
Hazardous Categories 2: Not reported

Permit Number: 211950
Update Date: 11/02/2012
Case Number: 7782-44-7
Name: OXYGEN COMPRESSED GAS
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: PRESSURE RELEASE
Hazardous Categories 2: Not reported

Permit Number: 211950
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 135 UNSPECIFIED AQUEOUS SOL'N
Other Information: ANTIFREEZE WASTE
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 211950
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 213 HYDROCARBON SOLVENTS
Other Information: PARTS CLEANER
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

ASTLEFORD CONSTRUCTION INC (Continued) **1000348223**

Permit Number: 211950
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 221 WASTE OIL & MIXED OIL
Other Information: USED OIL (2 TANKS)
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 211950
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 444 USED BATTERIES
Other Information: WASTE BATTERIES
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 211950
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 888 USED OIL FILTERS
Other Information: USED OIL FILTERS
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Violations Active Permits:
Permit Number: 211950
Update Date: 11/02/2012
Inspection Date: 03/26/2010
Violation Code: 6HV0131
Violation: UPF Permit NOT OBTAINED for HAZWASTE
Violation Citation: A Unified Program Facility permit has not been obtained for the generation of hazardous waste. 68.905
Activity: SUSP

Permit Number: 211950
Update Date: 11/02/2012
Inspection Date: 03/26/2010
Violation Code: 6HV1001
Violation: NO UPF PERMIT FOR HAZMATS
Violation Citation: A Unified Program Facility permit has not been obtained for hazardous materials. 68.905
Activity: SUSP

Permit Number: 211950
Update Date: 11/02/2012
Inspection Date: 03/26/2010
Violation Code: 6HV1002
Violation: HMBP NOT ESTABISHED/IMPLEMENTED.
Violation Citation: Hazardous materials handler has not established/implemented a business plan. HSC 25503.5(a)
Activity: SUSP

Name: KIRCHNAVY CONSTRUCTION

ASTLEFORD CONSTRUCTION INC (Continued) **1000348223**

Address:	1010 LINDA VISTA DR
City,State,Zip:	SAN MARCOS, CA 92069
Permit Number:	106400
Business Type:	6HK70
EPA Id Number:	Not reported
APN:	219-152-08-00
Last HMMD Inspection:	08/05/1991
Facility Telephone:	619-744-0216
Permit Status:	INAC
Permit Expiration:	08/05/1991
Date Last Updated:	11/02/2012
Facility Owner:	WM KIRCHNAVY
Facility Mailing Address:	1010 LINDA VISTA DR
Facility Mailing City:	SAN MARCOS
Facility Mailing State:	CA
Facility Mailing Zip:	92069-2614
UST Owner:	Not reported
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Y
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

Name:	ASTLEFORD CONSTRUCTION INC
Address:	1010 LINDA VISTA DR
City,State,Zip:	SAN MARCOS, CA 92078
Permit Number:	103728
Business Type:	6HK70
EPA Id Number:	CAD982009011
APN:	219-152-08-00
Last HMMD Inspection:	05/31/2007
Facility Telephone:	760-744-0630
Permit Status:	INAC
Permit Expiration:	04/30/2009
Date Last Updated:	11/02/2012
Facility Owner:	ASTLEFORD CONSTRUCTION INC
Facility Mailing Address:	1010 LINDA VISTA DR
Facility Mailing City:	SAN MARCOS
Facility Mailing State:	CA
Facility Mailing Zip:	92078
UST Owner:	TEMPLETON GRADING & EXCAVATING
Handle Regulated Hazmat:	Y
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Y
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

UST:

UST Name:	UNDERGROUND TANK 103728 T001
Last Update:	2012-11-02 14:17:38
Permit Number:	103728
Tank Type:	SINGLE WALL
Additional Id:	1
Capacity Gallons:	12000
UST Contents:	DIESEL
Other Content Info:	DIESEL

ASTLEFORD CONSTRUCTION INC (Continued) **1000348223**

Reg Status:	REMOVED
Remove Close Date:	1991-04-16 00:00:00
Year Installed:	1982-01-01 00:00:00
Pipe Type:	SINGLE WALL
Delivery System:	PRESSURE
Monitor Code:	07
UST Monitor Method:	SW TANK SW PRESSURE PIPE W/RESTRICTIVE LLD W/DAILY RECONCILIATION OR WEEKLY GAUGING: TANK AND PIPE TEST ANNUALLY
UST Name:	UNDERGROUND TANK 103728 T002
Last Update:	2012-11-02 14:17:38
Permit Number:	103728
Tank Type:	SINGLE WALL
Additional Id:	2
Capacity Gallons:	12000
UST Contents:	DIESEL
Other Content Info:	DIESEL
Reg Status:	REMOVED
Remove Close Date:	1991-04-16 00:00:00
Year Installed:	1982-01-01 00:00:00
Pipe Type:	SINGLE WALL
Delivery System:	PRESSURE
Monitor Code:	07
UST Monitor Method:	SW TANK SW PRESSURE PIPE W/RESTRICTIVE LLD W/DAILY RECONCILIATION OR WEEKLY GAUGING: TANK AND PIPE TEST ANNUALLY
UST Name:	UNDERGROUND TANK 103728 T003
Last Update:	2012-11-02 14:17:38
Permit Number:	103728
Tank Type:	SINGLE WALL
Additional Id:	3
Capacity Gallons:	12000
UST Contents:	DIESEL
Other Content Info:	DIESEL
Reg Status:	REMOVED
Remove Close Date:	1991-04-16 00:00:00
Year Installed:	1982-01-01 00:00:00
Pipe Type:	SINGLE WALL
Delivery System:	PRESSURE
Monitor Code:	07
UST Monitor Method:	SW TANK SW PRESSURE PIPE W/RESTRICTIVE LLD W/DAILY RECONCILIATION OR WEEKLY GAUGING: TANK AND PIPE TEST ANNUALLY
UST Name:	UNDERGROUND TANK 103728 T004
Last Update:	2012-11-02 14:17:38
Permit Number:	103728
Tank Type:	SINGLE WALL
Additional Id:	4
Capacity Gallons:	12000
UST Contents:	DIESEL
Other Content Info:	DIESEL
Reg Status:	REMOVED
Remove Close Date:	1991-04-16 00:00:00
Year Installed:	1982-01-01 00:00:00
Pipe Type:	SINGLE WALL
Delivery System:	PRESSURE
Monitor Code:	07

ASTLEFORD CONSTRUCTION INC (Continued) **1000348223**

UST Monitor Method:	SW TANK SW PRESSURE PIPE W/RESTRICTIVE LLD W/DAILY RECONCILIATION OR WEEKLY GAUGING: TANK AND PIPE TEST ANNUALLY
UST Name:	UNDERGROUND TANK 103728 T005
Last Update:	2012-11-02 14:17:38
Permit Number:	103728
Tank Type:	SINGLE WALL
Additional Id:	5
Capacity Gallons:	550
UST Contents:	Not reported
Other Content Info:	WASTE OIL
Reg Status:	REMOVED
Remove Close Date:	1991-04-16 00:00:00
Year Installed:	Not reported
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	07
UST Monitor Method:	SW TANK SW PRESSURE PIPE W/RESTRICTIVE LLD W/DAILY RECONCILIATION OR WEEKLY GAUGING: TANK AND PIPE TEST ANNUALLY

Name:	TNT BLANCHARD
Address:	1010 LINDA VISTA DR
City,State,Zip:	SAN MARCOS, CA 92078
Permit Number:	211950
Business Type:	6HK70
EPA Id Number:	CAL000221946
APN:	219-152-08-00
Last HMMD Inspection:	03/26/2010
Facility Telephone:	760-736-4054
Permit Status:	SUSP
Permit Expiration:	07/31/2012
Date Last Updated:	11/02/2012
Facility Owner:	BARRY BLANCHARD
Facility Mailing Address:	529 W 04TH AV #B
Facility Mailing City:	Escondido
Facility Mailing State:	CA
Facility Mailing Zip:	92025
UST Owner:	Not reported
Handle Regulated Hazmat:	Y
Own Or Operate UST:	Not reported
Subject To APSA:	Y
Generate Haz Waste:	Y
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

Inventory Active Permits (not SQG Medical):

Permit Number:	211950
Update Date:	11/02/2012
Case Number:	74-86-2
Name:	ACETYLENE COMPRESSED GAS
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	PRESSURE RELEASE
Hazardous Categories 2:	Not reported

Permit Number:	211950
Update Date:	11/02/2012

ASTLEFORD CONSTRUCTION INC (Continued) **1000348223**

Case Number: 68334-30-5
Name: DIESEL FUEL
Other Information: (2 X 1000 G + 2 X 450 G)
Material Waste: Material
Hazardous Categories 1: CHRONIC
Hazardous Categories 2: Not reported

Permit Number: 211950
Update Date: 11/02/2012
Case Number: 107-21-1
Name: ETHYLENE GLYCOL
Other Information: ANTIFREEZE
Material Waste: Material
Hazardous Categories 1: ACUTE
Hazardous Categories 2: Not reported

Permit Number: 211950
Update Date: 11/02/2012
Case Number: 8002-05-9
Name: LUBRICATING OIL
Other Information: (900 + 600 G TANKS)
Material Waste: Material
Hazardous Categories 1: CHRONIC
Hazardous Categories 2: Not reported

Permit Number: 211950
Update Date: 11/02/2012
Case Number: 7782-44-7
Name: OXYGEN COMPRESSED GAS
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: PRESSURE RELEASE
Hazardous Categories 2: Not reported

Permit Number: 211950
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 135 UNSPECIFIED AQUEOUS SOL'N
Other Information: ANTIFREEZE WASTE
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 211950
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 213 HYDROCARBON SOLVENTS
Other Information: PARTS CLEANER
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 211950
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 221 WASTE OIL & MIXED OIL
Other Information: USED OIL (2 TANKS)

ASTLEFORD CONSTRUCTION INC (Continued) **1000348223**

Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 211950
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 444 USED BATTERIES
Other Information: WASTE BATTERIES
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 211950
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 888 USED OIL FILTERS
Other Information: USED OIL FILTERS
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Violations Active Permits:
Permit Number: 211950
Update Date: 11/02/2012
Inspection Date: 03/26/2010
Violation Code: 6HV0131
Violation: UPF Permit NOT OBTAINED for HAZWASTE
Violation Citation: A Unified Program Facility permit has not been obtained for the generation of hazardous waste. 68.905
Activity: SUSP

Permit Number: 211950
Update Date: 11/02/2012
Inspection Date: 03/26/2010
Violation Code: 6HV1001
Violation: NO UPF PERMIT FOR HAZMATS
Violation Citation: A Unified Program Facility permit has not been obtained for hazardous materials. 68.905
Activity: SUSP

Permit Number: 211950
Update Date: 11/02/2012
Inspection Date: 03/26/2010
Violation Code: 6HV1002
Violation: HMBP NOT ESTABISHED/IMPLEMENTED.
Violation Citation: Hazardous materials handler has not established/implemented a business plan. HSC 25503.5(a)
Activity: SUSP

Name: TNT BLANCHARD
Address: 1010 LINDA VISTA DR
City,State,Zip: SAN MARCOS, CA 92078
Permit Number: 211950
Business Type: 6HK70
EPA Id Number: CAL000221946

ASTLEFORD CONSTRUCTION INC (Continued) **1000348223**

APN:	219-152-08-00
Last HMMD Inspection:	03/26/2010
Facility Telephone:	760-736-4054
Permit Status:	SUSP
Permit Expiration:	07/31/2012
Date Last Updated:	11/02/2012
Facility Owner:	BARRY BLANCHARD
Facility Mailing Address:	529 W 04TH AV #B
Facility Mailing City:	Escondido
Facility Mailing State:	CA
Facility Mailing Zip:	92025
UST Owner:	Not reported
Handle Regulated Hazmat:	Y
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Y
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

Inventory Active Permits (not SQG Medical):

Permit Number:	211950
Update Date:	11/02/2012
Case Number:	74-86-2
Name:	ACETYLENE COMPRESSED GAS
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	PRESSURE RELEASE
Hazardous Categories 2:	Not reported

Permit Number:	211950
Update Date:	11/02/2012
Case Number:	68334-30-5
Name:	DIESEL FUEL
Other Information:	(2 X 1000 G + 2 X 450 G)
Material Waste:	Material
Hazardous Categories 1:	CHRONIC
Hazardous Categories 2:	Not reported

Permit Number:	211950
Update Date:	11/02/2012
Case Number:	107-21-1
Name:	ETHYLENE GLYCOL
Other Information:	ANTIFREEZE
Material Waste:	Material
Hazardous Categories 1:	ACUTE
Hazardous Categories 2:	Not reported

Permit Number:	211950
Update Date:	11/02/2012
Case Number:	8002-05-9
Name:	LUBRICATING OIL
Other Information:	(900 + 600 G TANKS)
Material Waste:	Material
Hazardous Categories 1:	CHRONIC
Hazardous Categories 2:	Not reported

Permit Number:	211950
Update Date:	11/02/2012

ASTLEFORD CONSTRUCTION INC (Continued) **1000348223**

Case Number: 7782-44-7
Name: OXYGEN COMPRESSED GAS
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: PRESSURE RELEASE
Hazardous Categories 2: Not reported

Permit Number: 211950
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 135 UNSPECIFIED AQUEOUS SOL'N
Other Information: ANTIFREEZE WASTE
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 211950
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 213 HYDROCARBON SOLVENTS
Other Information: PARTS CLEANER
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 211950
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 221 WASTE OIL & MIXED OIL
Other Information: USED OIL (2 TANKS)
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 211950
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 444 USED BATTERIES
Other Information: WASTE BATTERIES
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 211950
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 888 USED OIL FILTERS
Other Information: USED OIL FILTERS
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Violations Active Permits:
Permit Number: 211950
Update Date: 11/02/2012
Inspection Date: 03/26/2010
Violation Code: 6HV0131

ASTLEFORD CONSTRUCTION INC (Continued) **1000348223**

Violation: UPF Permit NOT OBTAINED for HAZWASTE
Violation Citation: A Unified Program Facility permit has not been obtained for the generation of hazardous waste. 68.905
Activity: SUSP

Permit Number: 211950
Update Date: 11/02/2012
Inspection Date: 03/26/2010
Violation Code: 6HV1001
Violation: NO UPF PERMIT FOR HAZMATS
Violation Citation: A Unified Program Facility permit has not been obtained for hazardous materials. 68.905
Activity: SUSP

Permit Number: 211950
Update Date: 11/02/2012
Inspection Date: 03/26/2010
Violation Code: 6HV1002
Violation: HMBP NOT ESTABISHED/IMPLEMENTED.
Violation Citation: Hazardous materials handler has not established/implemented a business plan. HSC 25503.5(a)
Activity: SUSP

SWEEPS UST:
Name: ASTLEFORD CONTRUCTION INC
Address: 1010 LINDA VISTA DR
City: SAN MARCOS
Status: Not reported
Comp Number: 3728
Number: Not reported
Board Of Equalization: 44-021943
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 37-000-003728-000001
Tank Status: Not reported
Capacity: 12000
Active Date: Not reported
Tank Use: M.V. FUEL
STG: PRODUCT
Content: OTHER
Number Of Tanks: 5

Name: ASTLEFORD CONTRUCTION INC
Address: 1010 LINDA VISTA DR
City: SAN MARCOS
Status: Not reported
Comp Number: 3728
Number: Not reported
Board Of Equalization: 44-021943
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 37-000-003728-000002

ASTLEFORD CONSTRUCTION INC (Continued) **1000348223**

Tank Status: Not reported
Capacity: 12000
Active Date: Not reported
Tank Use: M.V. FUEL
STG: PRODUCT
Content: OTHER
Number Of Tanks: Not reported

Name: ASTLEFORD CONTRUCTION INC
Address: 1010 LINDA VISTA DR
City: SAN MARCOS
Status: Not reported
Comp Number: 3728
Number: Not reported
Board Of Equalization: 44-021943
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 37-000-003728-000003
Tank Status: Not reported
Capacity: 12000
Active Date: Not reported
Tank Use: M.V. FUEL
STG: PRODUCT
Content: OTHER
Number Of Tanks: Not reported

Name: ASTLEFORD CONTRUCTION INC
Address: 1010 LINDA VISTA DR
City: SAN MARCOS
Status: Not reported
Comp Number: 3728
Number: Not reported
Board Of Equalization: 44-021943
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 37-000-003728-000004
Tank Status: Not reported
Capacity: 12000
Active Date: Not reported
Tank Use: M.V. FUEL
STG: PRODUCT
Content: OTHER
Number Of Tanks: Not reported

Name: ASTLEFORD CONTRUCTION INC
Address: 1010 LINDA VISTA DR
City: SAN MARCOS
Status: Not reported
Comp Number: 3728
Number: Not reported
Board Of Equalization: 44-021943
Referral Date: Not reported
Action Date: Not reported

ASTLEFORD CONSTRUCTION INC (Continued) **1000348223**

Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 37-000-003728-000005
Tank Status: Not reported
Capacity: 550
Active Date: Not reported
Tank Use: PETROLEUM
STG: WASTE
Content: Not reported
Number Of Tanks: Not reported

Name: ASTLEFORD CONTRUCTION INC
Address: 1010 LINDA VISTA DR
City: SAN MARCOS
Status: Active
Comp Number: 3728
Number: 9
Board Of Equalization: 44-021943
Referral Date: Not reported
Action Date: 06-26-92
Created Date: 02-29-88
Owner Tank Id: Not reported
SWRCB Tank Id: Not reported
Tank Status: Not reported
Capacity: Not reported
Active Date: Not reported
Tank Use: Not reported
STG: Not reported
Content: Not reported
Number Of Tanks: Not reported

HIST UST:
Name: TEMPLETON GRADING AND EXCAVATING
Address: 1010 LINDA VISTA DR
City,State,Zip: SAN MARCOS, CA 92069
File Number: 0002E3F6
URL: http://geotracker.waterboards.ca.gov/ustpdfs/pdf/0002E3F6.pdf
Region: STATE
Facility ID: 00000051756
Facility Type: Other
Other Type: GRADING & EXCAVATING
Contact Name: DAN HOLBROOK
Telephone: 6197440630
Owner Name: TEMPLETON GRADING & EXCAVATING
Owner Address: 1010 LINDA VISTA DR.
Owner City,St,Zip: SAN MARCOS, CA 92069
Total Tanks: 0004

Tank Num: 001
Container Num: 1
Year Installed: 1982
Tank Capacity: 00012000
Tank Used for: PRODUCT
Type of Fuel: DIESEL
Container Construction Thickness: 3/16
Leak Detection: Pressure Test

ASTLEFORD CONSTRUCTION INC (Continued) **1000348223**

Tank Num:	001
Container Num:	1
Year Installed:	1982
Tank Capacity:	00012000
Tank Used for:	PRODUCT
Type of Fuel:	DIESEL
Container Construction Thickness:	3/16
Leak Detection:	Pressure Test

Tank Num:	002
Container Num:	2
Year Installed:	1982
Tank Capacity:	00012000
Tank Used for:	PRODUCT
Type of Fuel:	DIESEL
Container Construction Thickness:	3/16
Leak Detection:	Pressure Test

Tank Num:	002
Container Num:	2
Year Installed:	1982
Tank Capacity:	00012000
Tank Used for:	PRODUCT
Type of Fuel:	DIESEL
Container Construction Thickness:	3/16
Leak Detection:	Pressure Test

Tank Num:	003
Container Num:	3
Year Installed:	1982
Tank Capacity:	00012000
Tank Used for:	PRODUCT
Type of Fuel:	DIESEL
Container Construction Thickness:	3/16
Leak Detection:	Pressure Test

Tank Num:	003
Container Num:	3
Year Installed:	1982
Tank Capacity:	00012000
Tank Used for:	PRODUCT
Type of Fuel:	DIESEL
Container Construction Thickness:	3/16
Leak Detection:	Pressure Test

Tank Num:	004
Container Num:	4
Year Installed:	1982
Tank Capacity:	00012000
Tank Used for:	PRODUCT
Type of Fuel:	DIESEL
Container Construction Thickness:	3/16
Leak Detection:	Pressure Test

Tank Num:	004
Container Num:	4
Year Installed:	1982

ASTLEFORD CONSTRUCTION INC (Continued) **1000348223**

Tank Capacity:	00012000
Tank Used for:	PRODUCT
Type of Fuel:	DIESEL
Container Construction Thickness:	3/16
Leak Detection:	Pressure Test

Click here for Geo Tracker PDF:

FINDS:
Registry ID: 110002775033

Click Here for FRS Facility Detail Report:

Environmental Interest/Information System:
California Hazardous Waste Tracking System - Datamart (HWTS-DATAMART) provides California with information on hazardous waste shipments for generators, transporters, and treatment, storage, and disposal facilities.
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:

Envid:	1000348223
Registry ID:	110002775033
DFR URL:	http://echo.epa.gov/detailed-facility-report?fid=110002775033
Name:	ASTLEFORD CONSTRUCTION INC
Address:	1010 LINDA VISTA DR
City,State,Zip:	SAN MARCOS, CA 92078

CORTESE:

Name:	GRAND CHANNEL BRIDGE PROJECT - CITY OF SAN MARCOS
Address:	1010 LINDA VISTA DRIVE
City,State,Zip:	SAN MARCOS, CA 92069
Region:	CORTESE
Envirostor Id:	Not reported
Global ID:	T10000006374
Site/Facility Type:	LUST CLEANUP SITE
Cleanup Status:	COMPLETED - CASE CLOSED
Status Date:	Not reported
Site Code:	Not reported
Latitude:	Not reported
Longitude:	Not reported
Owner:	Not reported
Enf Type:	Not reported
Swat R:	Not reported
Flag:	active
Order No:	Not reported
Waste Discharge System No:	Not reported
Effective Date:	Not reported
Region 2:	Not reported

ASTLEFORD CONSTRUCTION INC (Continued) **1000348223**

WID Id: Not reported
Solid Waste Id No: Not reported
Waste Management Uit Name: Not reported
File Name: Active Open

HAZNET:
Name: ASTLEFORD CONSTRUCTION INC
Address: 1010 LINDA VISTA DR
Address 2: Not reported
City,State,Zip: SAN MARCOS, CA 920690000
Contact: DANNY HOLBROOK
Telephone: 7607440630
Mailing Name: Not reported
Mailing Address: 1010 LINDA VISTA DR

Year: 2008
Gepaid: CAD982009011
TSD EPA ID: CAD097030993
CA Waste Code: 491 - Unspecified sludge waste
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 1.56375

Year: 1999
Gepaid: CAD982009011
TSD EPA ID: CAD099452708
CA Waste Code: 222 - Oil/water separation sludge
Disposal Method: H01 - Transfer Station
Tons: 3.582

Year: 1991
Gepaid: CAD982009011
TSD EPA ID: CAT080013352
CA Waste Code: 221 - Waste oil and mixed oil
Disposal Method: R01 - Recycler
Tons: 5.421

Year: 1990
Gepaid: CAD982009011
TSD EPA ID: CAT080013352
CA Waste Code: 221 - Waste oil and mixed oil
Disposal Method: R01 - Recycler
Tons: 4.587

Year: 1989
Gepaid: CAD982009011
TSD EPA ID: CAT080013352
CA Waste Code: 221 - Waste oil and mixed oil
Disposal Method: R01 - Recycler
Tons: 4.17

Year: 1989
Gepaid: CAD982009011
TSD EPA ID: CAD008352890
CA Waste Code: 221 - Waste oil and mixed oil
Disposal Method: R01 - Recycler
Tons: 0.6

ASTLEFORD CONSTRUCTION INC (Continued) **1000348223**

Year:	1988
Gepaid:	CAD982009011
TSD EPA ID:	CAT080010101
CA Waste Code:	611 - Contaminated soil from site clean-up
Disposal Method:	H01 - Transfer Station
Tons:	0.9

Year:	1988
Gepaid:	CAD982009011
TSD EPA ID:	CAT080013352
CA Waste Code:	221 - Waste oil and mixed oil
Disposal Method:	R01 - Recycler
Tons:	5.004

Additional Info:

Year:	2008
Gen EPA ID:	CAD982009011
Shipment Date:	20081125
Creation Date:	1/15/2009 18:30:08
Receipt Date:	20081205
Manifest ID:	005136280JJK
Trans EPA ID:	CAD028277036
Trans Name:	ASBURY ENVIRONMENTAL SERVICES
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD097030993
Trans Name:	SIEMENS WATER TECHNOLOGIES CORP
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	491 - Unspecified sludge waste
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	1.56375
Waste Quantity:	375
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	1999
Gen EPA ID:	CAD982009011
Shipment Date:	19990216
Creation Date:	4/20/1999 0:00:00
Receipt Date:	19990218
Manifest ID:	98664207
Trans EPA ID:	ILD984908202
Trans Name:	Not reported
Trans 2 EPA ID:	ILD984908202
Trans 2 Name:	Not reported

ASTLEFORD CONSTRUCTION INC (Continued) **1000348223**

TSDF EPA ID: CAD099452708
Trans Name: Not reported
TSDF Alt EPA ID: CAD099452708
TSDF Alt Name: Not reported
Waste Code Description: 222 - Oil/water separation sludge
RCRA Code: Not reported
Meth Code: H01 - Transfer Station
Quantity Tons: 3.582
Waste Quantity: 859
Quantity Unit: G
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

NPDES:
Name: CARPENTRY PLUS
Address: 1010 LINDA VISTA DR
City,State,Zip: SAN MARCOS, CA 92078
Facility Status: Not reported
NPDES Number: Not reported
Region: Not reported
Agency Number: Not reported
Regulatory Measure ID: Not reported
Place ID: Not reported
Order Number: Not reported
WDID: 9 37IN600725
Regulatory Measure Type: Industrial
Program Type: Not reported
Adoption Date Of Regulatory Measure: Not reported
Effective Date Of Regulatory Measure: Not reported
Termination Date Of Regulatory Measure: Not reported
Expiration Date Of Regulatory Measure: Not reported
Discharge Address: Not reported
Discharge Name: Not reported
Discharge City: Not reported
Discharge State: Not reported
Discharge Zip: Not reported
Status: Undetermined
Status Date: 02/28/2011
Operator Name: Carpentry Plus
Operator Address: 1010 Linda Vista Dr
Operator City: San Marcos
Operator State: California
Operator Zip: 92078

SAN DIEGO CO LOP:
Name: GRAND CHANNEL BRIDGE PROJECT - CITY OF SAN MARCOS
Address: 1010 LINDA VISTA DR
City,State,Zip: SAN MARCOS, CA 92078-2614
Record ID: DEH2014-LSAM-000278
Record Status: Completed
Opened Date: 12/12/2014
Parcel Number: 219-152-08-00
Case Type: LOP - Local Oversight Program

ASTLEFORD CONSTRUCTION INC (Continued) **1000348223**

Historical Name:	Grand Channel Bridge Project - City of San Marcos
SWRCB Global ID:	T10000006374
Funding:	S - LOP State Fund
Lead Agency:	DEH/SAM
Lead Agency Date:	12/12/2014
Census Tract:	200.29
Community:	San Marcos
Jurisdiction:	SAN MARCOS
Watershed Basin Number:	904.52
Water Purveyor:	VALLECITOS WATER DISTRICT
Fire Agency:	SAN MARCOS FIRE PROT DIST
Latitude:	33.1396285
Longitude:	-117.1867833
X MapCoord:	6274907.093
Y MapCoord:	1995739.940

CERS:

Name:	GRAND CHANNEL BRIDGE PROJECT - CITY OF SAN MARCOS
Address:	1010 LINDA VISTA DRIVE
City,State,Zip:	SAN MARCOS, CA 92069
Site ID:	275331
CERS ID:	T10000006374
CERS Description:	Leaking Underground Storage Tank Cleanup Site

Affiliation:

Affiliation Type Desc:	Local Agency Caseworker
Entity Name:	EWAN MOFFAT - SAN DIEGO COUNTY LOP
Entity Title:	Not reported
Affiliation Address:	P.O. Box 129261
Affiliation City:	San Diego
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,

HWTS:

Name:	ASTLEFORD CONSTRUCTION INC
Address:	1010 LINDA VISTA DR
Address 2:	Not reported
City,State,Zip:	SAN MARCOS, CA 92069
EPA ID:	CAD982009011
Inactive Date:	06/30/2008
Create Date:	06/17/1988
Last Act Date:	Not reported
Mailing Name:	Not reported
Mailing Address:	1010 LINDA VISTA DR
Mailing Address 2:	Not reported
Mailing City,State,Zip:	SAN MARCOS, CA 920690000
Owner Name:	ROBERT L ASTLEFORD PRESIDENT
Owner Address:	1010 LINDA VISTA DR
Owner Address 2:	Not reported
Owner City,State,Zip:	SAN MARCOS, CA 920692614
Contact Name:	DANNY HOLBROOK
Contact Address:	1010 LINDA VISTA DR
Contact Address 2:	Not reported
City,State,Zip:	SAN MARCOS, CA 920692614

ASTLEFORD CONSTRUCTION INC (Continued) **1000348223**

Facility Status:	Inactive
Facility Type:	PERMANENT
Category:	FEDERAL
Latitude:	33.49435
Longitude:	-117.721265

NAICS:

EPA ID:	CAD982009011
Create Date:	2002-03-14 16:36:26.000
NAICS Code:	23411
NAICS Description:	Highway and Street Construction
Issued EPA ID Date:	1988-06-17 00:00:00
Inactive Date:	2008-06-30 00:00:00
Facility Name:	ASTLEFORD CONSTRUCTION INC
Facility Address:	1010 LINDA VISTA DR
Facility Address 2:	Not reported
Facility City:	SAN MARCOS
Facility County:	Not reported
Facility State:	CA
Facility Zip:	920690000

B16 **TNT BLANCHARD GENERAL ENGINEERING** **HAZNET S113157431**
1010 LINDA VISTA DR **HWTS N/A**
< 1/8 **SAN MARCOS, CA 92078**
1 ft.

Site 2 of 16 in cluster B

Relative: **Lower**

Actual: **541 ft.**

HAZNET:

Name:	TNT BLANCHARD GENERAL ENGINEERING
Address:	1010 LINDA VISTA DR
Address 2:	Not reported
City,State,Zip:	SAN MARCOS, CA 920782614
Contact:	MIKE KUNKEL
Telephone:	9517574215
Mailing Name:	Not reported
Mailing Address:	529 W 4TH AVE
Year:	2009
Gepaid:	CAL000347696
TSD EPA ID:	CAT080013352
CA Waste Code:	223 - Unspecified oil-containing waste
Disposal Method:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Tons:	7.089

Additional Info:

Year:	2009
Gen EPA ID:	CAL000347696
Shipment Date:	20091123
Creation Date:	2/3/2010 18:30:35
Receipt Date:	20091124
Manifest ID:	005354866JJK
Trans EPA ID:	CAD983609678
Trans Name:	BLACK GOLD INDUSTRIES
Trans 2 EPA ID:	Not reported

TNT BLANCHARD GENERAL ENGINEERING (Continued) **S113157431**

Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	DEMENNO / KERDOON
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	7.089
Waste Quantity:	1700
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

HWTS:

Name:	TNT BLANCHARD GENERAL ENGINEERING
Address:	1010 LINDA VISTA DR
Address 2:	Not reported
City,State,Zip:	SAN MARCOS, CA 92078
EPA ID:	CAL000347696
Inactive Date:	06/18/2012
Create Date:	11/02/2009
Last Act Date:	Not reported
Mailing Name:	Not reported
Mailing Address:	529 W 4TH AVE
Mailing Address 2:	Not reported
Mailing City,State,Zip:	ESCONDIDO, CA 920250000
Owner Name:	TNT BLANCHARD GENERAL ENGINEERING
Owner Address:	529B W 4TH AVE
Owner Address 2:	Not reported
Owner City,State,Zip:	ESCONDIDO, CA 920250000
Contact Name:	MIKE KUNKEL
Contact Address:	529 W 4TH ST
Contact Address 2:	Not reported
City,State,Zip:	ESCONDIDO, CA 920250000
Facility Status:	Inactive
Facility Type:	PERMANENT
Category:	STATE
Latitude:	33.139118
Longitude:	-117.186707

NAICS:

EPA ID:	CAL000347696
Create Date:	2009-11-02 10:01:48.487
NAICS Code:	23499
NAICS Description:	All Other Heavy Construction
Issued EPA ID Date:	2009-11-02 10:01:48.47000
Inactive Date:	2012-06-18 00:00:00
Facility Name:	TNT BLANCHARD GENERAL ENGINEERING
Facility Address:	1010 LINDA VISTA DR
Facility Address 2:	Not reported
Facility City:	SAN MARCOS
Facility County:	Not reported

TNT BLANCHARD GENERAL ENGINEERING (Continued) **S113157431**

Facility State: CA
Facility Zip: 920782614

B17 **1X TEMPLETON GRATING & EXCAVATING** **HAZNET S123701977**
1010 LINDA VISTA DR **HWTS N/A**
< 1/8 **SAN MARCOS, CA 92078**
1 ft.

Site 3 of 16 in cluster B

Relative: Lower
Actual: 541 ft.

HAZNET:
Name: 1X TEMPLETON GRATING & EXCAVATING
Address: 1010 LINDA VISTA DR
Address 2: Not reported
City,State,Zip: SAN MARCOS, CA 920782614
Contact: DANNY HOLBROOK
Telephone: 6197440630
Mailing Name: Not reported
Mailing Address: 1010 LINDA VISTA DR

Year: 1987
Gepaid: CAC000010132
TSD EPA ID: Not reported
CA Waste Code: 221 - Waste oil and mixed oil
Disposal Method: 01 -
Tons: 3.336

HWTS:
Name: 1X TEMPLETON GRATING & EXCAVATING
Address: 1010 LINDA VISTA DR
Address 2: Not reported
City,State,Zip: SAN MARCOS, CA 92078
EPA ID: CAC000010132
Inactive Date: 10/25/2000
Create Date: 05/07/1987
Last Act Date: Not reported
Mailing Name: Not reported
Mailing Address: 1010 LINDA VISTA DR
Mailing Address 2: Not reported
Mailing City,State,Zip: SAN MARCOS, CA 0
Owner Name: Not reported
Owner Address: Not reported
Owner Address 2: Not reported
Owner City,State,Zip: Not reported
Contact Name: DANNY HOLBROOK
Contact Address: Not reported
Contact Address 2: Not reported
City,State,Zip: Not reported
Facility Status: Inactive
Facility Type: TEMPORARY
Category: STATE
Latitude: 33.139159
Longitude: -117.186845

B18 **GRAND CHANNEL BRIDGE PROJECT - CITY OF SAN MARCOS** **FINDS** **1023203872**
1010 LINDA VISTA DRIVE **N/A**
< 1/8 **SAN MARCOS, CA 92069**
1 ft.

Site 4 of 16 in cluster B

Relative: FINDS:
Lower Registry ID: 110064888803

Actual:
541 ft. Click Here for FRS Facility Detail Report:

Environmental Interest/Information System:
STATE MASTER

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

B19 **CARPENTRY PLUS** **FINDS** **1023688048**
1010 LINDA VISTA DR **ECHO** **N/A**
< 1/8 **SAN MARCOS, CA 92078**
1 ft.

Site 5 of 16 in cluster B

Relative: FINDS:
Lower Registry ID: 110070085015

Actual:
541 ft. Click Here for FRS Facility Detail Report:

Environmental Interest/Information System:
US National Pollutant Discharge Elimination System (NPDES) module of the Compliance Information System (ICIS) tracks surface water permits issued under the Clean Water Act. Under NPDES, all facilities that discharge pollutants from any point source into waters of the United States are required to obtain a permit. The permit will likely contain limits on what can be discharged, impose monitoring and reporting requirements, and include other provisions to ensure that the discharge does not adversely affect water quality.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:

Envid:	1023688048
Registry ID:	110070085015
DFR URL:	http://echo.epa.gov/detailed-facility-report?fid=110070085015
Name:	CARPENTRY PLUS
Address:	1010 LINDA VISTA DR
City,State,Zip:	SAN MARCOS, CA 92078

C20 **SAN MARCOS POLISHING** **HAZNET** **S113117106**
1043 GRAND AVE **HWTS** **N/A**
< 1/8 **SAN MARCOS, CA 92078**
1 ft.

Site 1 of 27 in cluster C

Relative: HAZNET:
Higher

Actual:
544 ft.

Name:	SAN MARCOS POLISHING
Address:	1043 GRAND AVE
Address 2:	Not reported
City,State,Zip:	SAN MARCOS, CA 920782602
Contact:	FERNANDO CARASCO

SAN MARCOS POLISHING (Continued) **S113117106**

Telephone: 7607529825
Mailing Name: Not reported
Mailing Address: 1043 GRAND AVE

Year: 2004
Gepaid: CAL000240224
TSD EPA ID: CAD008364432
CA Waste Code: 352 - Other organic solids
Disposal Method: H01 - Transfer Station
Tons: 0.4

Year: 2003
Gepaid: CAL000240224
TSD EPA ID: CAD008364432
CA Waste Code: 352 - Other organic solids
Disposal Method: H01 - Transfer Station
Tons: 0.15

Year: 2002
Gepaid: CAL000240224
TSD EPA ID: CAD008364432
CA Waste Code: -
Disposal Method: H01 - Transfer Station
Tons: 0.1

Year: 2002
Gepaid: CAL000240224
TSD EPA ID: CAD008364432
CA Waste Code: 352 - Other organic solids
Disposal Method: H01 - Transfer Station
Tons: 0.2

Additional Info:
Year: 2004
Gen EPA ID: CAL000240224

Shipment Date: 20040726
Creation Date: 11/1/2004 12:36:11
Receipt Date: 20040726
Manifest ID: 22786669
Trans EPA ID: CAD008364432
Trans Name: RHO CHEM
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDF EPA ID: CAD008364482
Trans Name: RHO-CHEM CORPORATION
TSDF Alt EPA ID: CAD008364432
TSDF Alt Name: Not reported
Waste Code Description: 352 - Other organic solids
RCRA Code: NA
Meth Code: H01 - Transfer Station
Quantity Tons: 0.3
Waste Quantity: 600
Quantity Unit: P
Additional Code 1: Not reported
Additional Code 2: Not reported

SAN MARCOS POLISHING (Continued) **S113117106**

Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20040202
Creation Date:	8/19/2004 11:23:49
Receipt Date:	20040202
Manifest ID:	22789895
Trans EPA ID:	CAD008364432
Trans Name:	RHO-CHEM
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008364432
Trans Name:	RHO-CHEM CORPORATION
TSDF Alt EPA ID:	CAD008364432
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.1
Waste Quantity:	200
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2003
Gen EPA ID:	CAL000240224
Shipment Date:	20030905
Creation Date:	7/29/2004 7:45:24
Receipt Date:	20030905
Manifest ID:	22100466
Trans EPA ID:	CAD008364432
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008364432
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD008364432
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.1
Waste Quantity:	200
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20030905

SAN MARCOS POLISHING (Continued) **S113117106**

Creation Date:	7/29/2004 7:45:24
Receipt Date:	20030905
Manifest ID:	22100466
Trans EPA ID:	CAD008364432
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008364432
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD008364432
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.05
Waste Quantity:	100
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2002
Gen EPA ID:	CAL000240224
Shipment Date:	20020909
Creation Date:	1/28/2003 18:30:41
Receipt Date:	20020909
Manifest ID:	21723259
Trans EPA ID:	CAD008364432
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008364432
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	- Not reported
RCRA Code:	Not reported
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.1
Waste Quantity:	200
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20020909
Creation Date:	1/28/2003 18:30:41
Receipt Date:	20020909
Manifest ID:	21723259
Trans EPA ID:	CAD008364432
Trans Name:	Not reported

SAN MARCOS POLISHING (Continued) **S113117106**

Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008364432
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.2
Waste Quantity:	400
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

HWTS:

Name:	SAN MARCOS POLISHING
Address:	1043 GRAND AVE
Address 2:	Not reported
City,State,Zip:	SAN MARCOS, CA 92078
EPA ID:	CAL000240224
Inactive Date:	06/30/2009
Create Date:	01/17/2002
Last Act Date:	Not reported
Mailing Name:	Not reported
Mailing Address:	1043 GRAND AVE
Mailing Address 2:	Not reported
Mailing City,State,Zip:	SAN MARCOS, CA 920690000
Owner Name:	CARASCO ENTERPRISES INC
Owner Address:	1043 GRAND AVE
Owner Address 2:	Not reported
Owner City,State,Zip:	SAN MARCOS, CA 920690000
Contact Name:	FERNANDO CARASCO
Contact Address:	1043 GRAND AVE
Contact Address 2:	Not reported
City,State,Zip:	SAN MARCOS, CA 920690000
Facility Status:	Inactive
Facility Type:	PERMANENT
Category:	STATE
Latitude:	33.141165
Longitude:	-117.18667

NAICS:

EPA ID:	CAL000240224
Create Date:	2002-03-14 16:36:29.000
NAICS Code:	332813
NAICS Description:	Electroplating, Plating, Polishing, Anodizing, and Coloring
Issued EPA ID Date:	2002-01-17 00:00:00
Inactive Date:	2009-06-30 00:00:00
Facility Name:	SAN MARCOS POLISHING
Facility Address:	1043 GRAND AVE
Facility Address 2:	Not reported
Facility City:	SAN MARCOS
Facility County:	Not reported

SAN MARCOS POLISHING (Continued) **S113117106**

Facility State:	CA
Facility Zip:	920782602
EPA ID:	CAL000240224
Create Date:	2002-03-14 16:36:29.000
NAICS Code:	332813
NAICS Description:	Electroplating, Plating, Polishing, Anodizing, and Coloring
Issued EPA ID Date:	2002-01-17 00:00:00
Inactive Date:	2009-06-30 00:00:00
Facility Name:	SAN MARCOS POLISHING
Facility Address:	1043 GRAND AVE
Facility Address 2:	Not reported
Facility City:	SAN MARCOS
Facility County:	Not reported
Facility State:	CA
Facility Zip:	920782602

C21 **1X LANCASTER AUTO BODY** **HAZNET** **S123770150**
1043 GRAND ST **HWTS** **N/A**
< 1/8 **SAN MARCOS, CA 92069**
1 ft.

Site 2 of 27 in cluster C

Relative: Higher

Actual: 544 ft.

HAZNET:

Name:	1X LANCASTER AUTO BODY
Address:	1043 GRAND ST
Address 2:	Not reported
City,State,Zip:	SAN MARCOS, CA 920690000
Contact:	JANET MARTIN
Telephone:	4157440909
Mailing Name:	Not reported
Mailing Address:	--
Year:	1986
Gepaid:	CAP999001769
TSD EPA ID:	CAD095894556
CA Waste Code:	221 - Waste oil and mixed oil
Disposal Method:	D99 - Disposal, Other
Tons:	0.4587

HWTS:

Name:	1X LANCASTER AUTO BODY
Address:	1043 GRAND ST
Address 2:	Not reported
City,State,Zip:	SAN MARCOS, CA 92069
EPA ID:	CAP999001769
Inactive Date:	12/19/2000
Create Date:	11/06/1986
Last Act Date:	Not reported
Mailing Name:	Not reported
Mailing Address:	Not reported
Mailing Address 2:	Not reported
Mailing City,State,Zip:	SAN MARCOS, CA 920690000
Owner Name:	Not reported
Owner Address:	Not reported

1X LANCASTER AUTO BODY (Continued) **S123770150**

Owner Address 2:	Not reported
Owner City,State,Zip:	Not reported
Contact Name:	JANET MARTIN
Contact Address:	Not reported
Contact Address 2:	Not reported
City,State,Zip:	Not reported
Facility Status:	Inactive
Facility Type:	TEMPORARY
Category:	FEDERAL
Latitude:	33.140419
Longitude:	-117.184583

C22 **CRIBWALL COMPANY SITE** **CPS-SLIC S111293383**
1023 GRAND AVENUE **CERS N/A**
< 1/8 **SAN MARCOS, CA 92078**
1 ft.

Site 3 of 27 in cluster C

Relative: Higher

Actual: 544 ft.

CPS-SLIC:

Name:	CRIBWALL COMPANY SITE
Address:	1023 GRAND AVENUE
City,State,Zip:	SAN MARCOS, CA 92078
Region:	STATE
Facility Status:	**Completed - Case Closed**
Status Date:	07/03/2012
Global Id:	T10000003271
Lead Agency:	SAN DIEGO COUNTY LOP
Lead Agency Case Number:	H39774-001
Latitude:	33.140481
Longitude:	-117.187299
Case Type:	Cleanup Program Site
Case Worker:	CB
Local Agency:	SAN DIEGO COUNTY LOP
RB Case Number:	Not reported
File Location:	Local Agency
Potential Media Affected:	Not reported
Potential Contaminants of Concern:	Not reported
Site History:	Please refer to "Site Maps/Documents" tab for Closure Letter/Summary

Click here to access the California GeoTracker records for this facility:

CERS:

Name:	CRIBWALL COMPANY SITE
Address:	1023 GRAND AVENUE
City,State,Zip:	SAN MARCOS, CA 92078
Site ID:	206187
CERS ID:	T10000003271
CERS Description:	Cleanup Program Site

Affiliation:

Affiliation Type Desc:	Local Agency Caseworker
Entity Name:	CRAIG BURNETT - SAN DIEGO COUNTY LOP
Entity Title:	Not reported
Affiliation Address:	P.O. Box 129261
Affiliation City:	SAN DIEGO
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	Not reported

CRIBWALL COMPANY SITE (Continued) **S111293383**

Affiliation Phone: 8585056978,

D23 **APEX IMPORT GARAGE** **HAZNET S123754789**
1003 GRAND AVE **HWTS N/A**
< 1/8 **SAN MARCOS, CA 92069**
1 ft.

Site 1 of 3 in cluster D

Relative: Higher

Actual: 544 ft.

HAZNET:

Name:	APEX IMPORT GARAGE
Address:	1003 GRAND AVE
Address 2:	Not reported
City,State,Zip:	SAN MARCOS, CA 920690000
Contact:	INACT PER 96 VQ AD
Telephone:	--
Mailing Name:	Not reported
Mailing Address:	1003 GRAND AVE
Year:	1987
Gepaid:	CAD981165962
TSD EPA ID:	CAT080013352
CA Waste Code:	221 - Waste oil and mixed oil
Disposal Method:	R01 - Recycler
Tons:	0.3336
Year:	1986
Gepaid:	CAD981165962
TSD EPA ID:	Not reported
CA Waste Code:	221 - Waste oil and mixed oil
Disposal Method:	01 -
Tons:	0.834

HWTS:

Name:	APEX IMPORT GARAGE
Address:	1003 GRAND AVE
Address 2:	Not reported
City,State,Zip:	SAN MARCOS, CA 92069
EPA ID:	CAD981165962
Inactive Date:	06/30/1996
Create Date:	04/10/1987
Last Act Date:	Not reported
Mailing Name:	Not reported
Mailing Address:	1003 GRAND AVE
Mailing Address 2:	Not reported
Mailing City,State,Zip:	SAN MARCOS, CA 920690000
Owner Name:	Not reported
Owner Address:	Not reported
Owner Address 2:	Not reported
Owner City,State,Zip:	Not reported
Contact Name:	INACT PER 96 VQ AD
Contact Address:	GUTKNECHT RICHARD OR JUDY
Contact Address 2:	Not reported
City,State,Zip:	Not reported
Facility Status:	Inactive
Facility Type:	PERMANENT

APEX IMPORT GARAGE (Continued) **S123754789**

Category:	FEDERAL
Latitude:	33.141023
Longitude:	-117.186353
Name:	APEX IMPORT GARAGE
Address:	1003 GRAND AVE
Address 2:	Not reported
City,State,Zip:	SAN MARCOS, CA 92069
EPA ID:	CAD981381189
Inactive Date:	06/30/1996
Create Date:	04/10/1987
Last Act Date:	Not reported
Mailing Name:	Not reported
Mailing Address:	1003 GRAND AVE
Mailing Address 2:	Not reported
Mailing City,State,Zip:	SAN MARCOS, CA 920690000
Owner Name:	Not reported
Owner Address:	Not reported
Owner Address 2:	Not reported
Owner City,State,Zip:	Not reported
Contact Name:	INACT PER 96 VQ AD
Contact Address:	GUTKNECHT RICHARD OR JUDY
Contact Address 2:	Not reported
City,State,Zip:	Not reported
Facility Status:	Inactive
Facility Type:	PERMANENT
Category:	STATE
Latitude:	33.140039
Longitude:	-117.183517

D24 **APEX IMPORT GARAGE** **RCRA NonGen / NLR** **1000438898**
1003 GRAND AVE **FINDS** **CAD981165962**
< 1/8 **SAN MARCOS, CA 92069** **ECHO**
1 ft.

Site 2 of 3 in cluster D

Relative: **Higher**
Actual: **544 ft.**

RCRA Listings:

Date Form Received by Agency:		19950201
Handler Name:	APEX IMPORT GARAGE	
Handler Address:		1003 GRAND AVE
Handler City,State,Zip:		SAN MARCOS, CA 92069
EPA ID:		CAD981165962
Contact Name:		JUDY GUTKNECHT
Contact Address:		1003 GRAND AVE
Contact City,State,Zip:		SAN MARCOS, CA 92069
Contact Telephone:		619-744-6165
Contact Fax:		Not reported
Contact Email:		Not reported
Contact Title:		Not reported
EPA Region:		09
Land Type:		Private
Federal Waste Generator Description:		Not a generator, verified
Non-Notifier:		Not reported
Biennial Report Cycle:		Not reported
Accessibility:		Not reported
Active Site Indicator:		Not reported
State District Owner:		CA
State District:		4

APEX IMPORT GARAGE (Continued) **1000438898**

Mailing Address:		1566 CHEROKEE ST
Mailing City,State,Zip:		SAN MARCOS, CA 92069
Owner Name:	JUDY GUTKNECHT	
Owner Type:		Private
Operator Name:	NOT REQUIRED	
Operator Type:		Private
Short-Term Generator Activity:		No
Importer Activity:		No
Mixed Waste Generator:		No
Transporter Activity:		No
Transfer Facility Activity:		No
Recycler Activity with Storage:		No
Small Quantity On-Site Burner Exemption:		No
Smelting Melting and Refining Furnace Exemption:		No
Underground Injection Control:		No
Off-Site Waste Receipt:		No
Universal Waste Indicator:		No
Universal Waste Destination Facility:		No
Federal Universal Waste:		No
Active Site Fed-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site Converter Treatment storage and Disposal Facility:		Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site State-Reg Handler:		---
Federal Facility Indicator:		Not reported
Hazardous Secondary Material Indicator:		NN
Sub-Part K Indicator:		Not reported
Commercial TSD Indicator:		No
Treatment Storage and Disposal Type:		Not reported
2018 GPRA Permit Baseline:		Not on the Baseline
2018 GPRA Renewals Baseline:		Not on the Baseline
Permit Renewals Workload Universe:		Not reported
Permit Workload Universe:		Not reported
Permit Progress Universe:		Not reported
Post-Closure Workload Universe:		Not reported
Closure Workload Universe:		Not reported
202 GPRA Corrective Action Baseline:		No
Corrective Action Workload Universe:		No
Subject to Corrective Action Universe:		No
Non-TSDFs Where RCRA CA has Been Imposed Universe:		No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:		No
TSDFs Only Subject to CA under Discretionary Auth Universe:		No
Corrective Action Priority Ranking:		No NCAPS ranking
Environmental Control Indicator:		No
Institutional Control Indicator:		No
Human Exposure Controls Indicator:		N/A
Groundwater Controls Indicator:		N/A
Operating TSDF Universe:		Not reported
Full Enforcement Universe:		Not reported
Significant Non-Complier Universe:		No
Unaddressed Significant Non-Complier Universe:		No
Addressed Significant Non-Complier Universe:		No
Significant Non-Complier With a Compliance Schedule Universe:		No
Financial Assurance Required:		Not reported
Handler Date of Last Change:		20020627
Recognized Trader-Importer:		No
Recognized Trader-Exporter:		No
Importer of Spent Lead Acid Batteries:		No

APEX IMPORT GARAGE (Continued) **1000438898**

Exporter of Spent Lead Acid Batteries: No
Recycler Activity Without Storage: Not reported
Manifest Broker: Not reported
Sub-Part P Indicator: No

Handler - Owner Operator:
Owner/Operator Indicator: Operator
Owner/Operator Name: NOT REQUIRED
Legal Status: Private
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: NOT REQUIRED
Owner/Operator City,State,Zip: NOT REQUIRED, ME 99999
Owner/Operator Telephone: 415-555-1212
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner
Owner/Operator Name: JUDY GUTKNECHT
Legal Status: Private
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: 1566 CHEROKEE ST
Owner/Operator City,State,Zip: SAN MARCOS, CA 92069
Owner/Operator Telephone: 619-555-1212
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:
Receive Date: 19950201
Handler Name: APEX IMPORT GARAGE
Federal Waste Generator Description: Not a generator, verified
State District Owner: CA
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Codes: No NAICS Codes Found

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

APEX IMPORT GARAGE (Continued) **1000438898**

FINDS:
Registry ID: 110002680135

Click Here for FRS Facility Detail Report:

Environmental Interest/Information System:
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:

Envid:	1000438898
Registry ID:	110002680135
DFR URL:	http://echo.epa.gov/detailed-facility-report?fid=110002680135
Name:	APEX IMPORT GARAGE
Address:	1003 GRAND AVE
City,State,Zip:	SAN MARCOS, CA 92069

C25 **GRAND AVENUE METAL INDUSTRIAL BUILDINGS** **CPS-SLIC** **S103987173**
1031 GRAND AVENUE **CERS** **N/A**
< 1/8 **SAN MARCOS, CA 92078**
1 ft.

Site 4 of 27 in cluster C

Relative: Higher
Actual: 544 ft.

CPS-SLIC:

Name:	GRAND AVENUE METAL INDUSTRIAL BUILDINGS
Address:	1031 GRAND AVENUE
City,State,Zip:	SAN MARCOS, CA 92078
Region:	STATE
Facility Status:	**Completed - Case Closed**
Status Date:	07/03/2012
Global Id:	T10000003199
Lead Agency:	SAN DIEGO COUNTY LOP
Lead Agency Case Number:	H39772-001
Latitude:	33.141144680727
Longitude:	-117.187943458557
Case Type:	Cleanup Program Site
Case Worker:	CB
Local Agency:	SAN DIEGO COUNTY LOP
RB Case Number:	Not reported
File Location:	Local Agency
Potential Media Affected:	Soil
Potential Contaminants of Concern:	Benzene, Waste Oil / Motor / Hydraulic / Lubricating
Site History:	Please refer to "Site Maps/Documents" tab for Closure Letter/Summary

Click here to access the California GeoTracker records for this facility:

CERS:

Name:	GRAND AVENUE METAL INDUSTRIAL BUILDINGS
Address:	1031 GRAND AVENUE
City,State,Zip:	SAN MARCOS, CA 92078
Site ID:	189718

GRAND AVENUE METAL INDUSTRIAL BUILDINGS (Continued) **S103987173**

CERS ID: T10000003199
CERS Description: Cleanup Program Site

Affiliation:
Affiliation Type Desc: Local Agency Caseworker
Entity Name: CRAIG BURNETT - SAN DIEGO COUNTY LOP
Entity Title: Not reported
Affiliation Address: P.O. Box 129261
Affiliation City: SAN DIEGO
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: 8585056978,

C26 **RUDYS RADIATOR SHOP** **RCRA-SQG** **1000442200**
1057 GRAND AVE **San Diego Co. HMMD** **CAD981980295**
< 1/8 **SAN MARCOS, CA 92069** **FINDS**
1 ft. **ECHO**

Site 5 of 27 in cluster C

Relative: Higher
Actual: 544 ft.

RCRA Listings:
Date Form Received by Agency: 19870413
Handler Name: RUDYS RADIATOR SHOP
Handler Address: 1057 GRAND AVE
Handler City,State,Zip: SAN MARCOS, CA 92069
EPA ID: CAD981980295
Contact Name: ENVIRONMENTAL MANAGER
Contact Address: 1057 GRAND AVE
Contact City,State,Zip: SAN MARCOS, CA 92069
Contact Telephone: 619-744-9195
Contact Fax: Not reported
Contact Email: Not reported
Contact Title: Not reported
EPA Region: 09
Land Type: Other
Federal Waste Generator Description: Small Quantity Generator
Non-Notifier: Not reported
Biennial Report Cycle: Not reported
Accessibility: Not reported
Active Site Indicator: Handler Activities
State District Owner: CA
State District: 4
Mailing Address: 1057 GRAND AVE
Mailing City,State,Zip: SAN MARCOS, CA 92069
Owner Name: RODOLFO ZAMORA
Owner Type: Private
Operator Name: NOT REQUIRED
Operator Type: Private
Short-Term Generator Activity: No
Importer Activity: No
Mixed Waste Generator: No
Transporter Activity: No
Transfer Facility Activity: No
Recycler Activity with Storage: No
Small Quantity On-Site Burner Exemption: No
Smelting Melting and Refining Furnace Exemption: No
Underground Injection Control: No

RUDYS RADIATOR SHOP (Continued) **1000442200**

Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	NN
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20020627
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	Not reported
Manifest Broker:	Not reported
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name: RODOLFO ZAMORA	
Legal Status:	Private
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	NOT REQUIRED
Owner/Operator City,State,Zip:	NOT REQUIRED, ME 99999
Owner/Operator Telephone:	415-555-1212

RUDYS RADIATOR SHOP (Continued) **1000442200**

Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator
Owner/Operator Name: NOT REQUIRED
Legal Status: Private
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: NOT REQUIRED
Owner/Operator City,State,Zip: NOT REQUIRED, ME 99999
Owner/Operator Telephone: 415-555-1212
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:
Receive Date: 19870413
Handler Name: RUDYS RADIATOR SHOP
Federal Waste Generator Description: Small Quantity Generator
State District Owner: CA
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Code: 811111
NAICS Description: GENERAL AUTOMOTIVE REPAIR

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

HMMD SAN DIEGO:
Name: RUDYS RADIATOR SHOP
Address: 1057 GRAND AV
City,State,Zip: SAN MARCOS, CA 92069
Permit Number: 113849
Business Type: 6HK26
EPA Id Number: CAD981980295
APN: 219-152-70-00
Last HMMD Inspection: 04/27/1995
Facility Telephone: 619-744-9195
Permit Status: INAC
Permit Expiration: 04/27/1995
Date Last Updated: 11/02/2012
Facility Owner: ALEX MARTINEZ

RUDYS RADIATOR SHOP (Continued) **1000442200**

Facility Mailing Address:	1057 GRAND AV
Facility Mailing City:	SAN MARCOS
Facility Mailing State:	CA
Facility Mailing Zip:	92069-2602
UST Owner:	Not reported
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Y
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

FINDS:
Registry ID: 110002763377

Click Here for FRS Facility Detail Report:

Environmental Interest/Information System:
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:

Envid:	1000442200
Registry ID:	110002763377
DFR URL:	http://echo.epa.gov/detailed-facility-report?fid=110002763377
Name:	RUDYS RADIATOR SHOP
Address:	1057 GRAND AVE
City,State,Zip:	SAN MARCOS, CA 92069

C27 **SCOTTS VW PARADISE** **HAZNET S123616994**
1031 GRAND AVE **HWTS N/A**
< 1/8 **SAN MARCOS, CA 92069**
1 ft.

Site 6 of 27 in cluster C

Relative: Higher
Actual: 544 ft.

HAZNET:

Name:	SCOTTS VW PARADISE
Address:	1031 GRAND AVE
Address 2:	Not reported
City,State,Zip:	SAN MARCOS, CA 920690000
Contact:	INACTIVE DUP NUM IN BLK LOGBK
Telephone:	--
Mailing Name:	Not reported
Mailing Address:	1031 GRAND AVE
Year:	1998
Gepaid:	CAL000057512
TSD EPA ID:	CAL000121946
CA Waste Code:	541 - Photochemicals/photoprocessing waste
Disposal Method:	R01 - Recycler
Tons:	0.0208

SCOTTS VW PARADISE (Continued) **S123616994**

Year: 1997
Gepaid: CAL000057512
TSD EPA ID: CAL000121946
CA Waste Code: 541 - Photochemicals/photoprocessing waste
Disposal Method: R01 - Recycler
Tons: 0.0416

Additional Info:
Year: 1998
Gen EPA ID: CAL000057512

Shipment Date: 19980218
Creation Date: 4/16/1998 0:00:00
Receipt Date: 19980218
Manifest ID: 97278021
Trans EPA ID: CAL000827826
Trans Name: Not reported
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDF EPA ID: CAL000121946
Trans Name: Not reported
TSDF Alt EPA ID: CAL000121946
TSDF Alt Name: Not reported
Waste Code Description: 541 - Photochemicals / photo processing waste
RCRA Code: D011
Meth Code: R01 - Recycler
Quantity Tons: 0.0208
Waste Quantity: 5
Quantity Unit: G
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Additional Info:
Year: 1997
Gen EPA ID: CAL000057512

Shipment Date: 19971001
Creation Date: 7/23/1998 0:00:00
Receipt Date: 19971002
Manifest ID: 96841434
Trans EPA ID: CAL000827826
Trans Name: Not reported
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDF EPA ID: CAL000121946
Trans Name: Not reported
TSDF Alt EPA ID: CAL000121946
TSDF Alt Name: Not reported
Waste Code Description: 541 - Photochemicals / photo processing waste
RCRA Code: D011
Meth Code: R01 - Recycler
Quantity Tons: 0.0208

SCOTTS VW PARADISE (Continued) **S123616994**

Waste Quantity:	5
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19970415
Creation Date:	6/26/1997 0:00:00
Receipt Date:	19970417
Manifest ID:	96803749
Trans EPA ID:	CAL000827826
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAL000121946
Trans Name:	Not reported
TSDF Alt EPA ID:	CAL000121946
TSDF Alt Name:	Not reported
Waste Code Description:	541 - Photochemicals / photo processing waste
RCRA Code:	D011
Meth Code:	R01 - Recycler
Quantity Tons:	0.0208
Waste Quantity:	5
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

HWTS:

Name:	SCOTTS VW PARADISE
Address:	1031 GRAND AVE
Address 2:	Not reported
City,State,Zip:	SAN MARCOS, CA 92069
EPA ID:	CAL000057512
Inactive Date:	06/30/1993
Create Date:	04/04/1994
Last Act Date:	Not reported
Mailing Name:	Not reported
Mailing Address:	1031 GRAND AVE
Mailing Address 2:	Not reported
Mailing City,State,Zip:	SAN MARCOS, CA 920690000
Owner Name:	Not reported
Owner Address:	Not reported
Owner Address 2:	Not reported
Owner City,State,Zip:	Not reported
Contact Name:	INACTIVE DUP NUM IN BLK LOGBK
Contact Address:	Not reported
Contact Address 2:	Not reported
City,State,Zip:	Not reported
Facility Status:	Inactive
Facility Type:	PERMANENT
Category:	STATE
Latitude:	33.140305

SCOTTS VW PARADISE (Continued) **S123616994**

Longitude: -117.184263

D28 **GRAND AVENUE BUILDING PAD AND SLAB DEMOLITION** **NPDES S111459622**
APN 219 152 70 47 18 14 40 51 42 45 44 61 08 **CIWQS N/A**
< 1/8 **SAN MARCOS, CA 92056**
1 ft.

Site 3 of 3 in cluster D

Relative: Lower
Actual: 543 ft.

NPDES:

Name:	GRAND AVENUE BUILDING PAD AND SLAB DEMOLITION
Address:	APN 219 152 70 47 18 14 40 51 42 45 44 61 08
City,State,Zip:	SAN MARCOS, CA 92056
Facility Status:	Not reported
NPDES Number:	Not reported
Region:	Not reported
Agency Number:	Not reported
Regulatory Measure ID:	Not reported
Place ID:	Not reported
Order Number:	Not reported
WDID:	9 37C362925
Regulatory Measure Type:	Construction
Program Type:	Not reported
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Discharge Address:	Not reported
Discharge Name:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
Status:	Terminated
Status Date:	06/24/2016
Operator Name:	San Marcos City
Operator Address:	1 Civic Center Dr
Operator City:	San Marcos
Operator State:	California
Operator Zip:	92069

NPDES as of 03/2018:

NPDES Number:	Not reported
Status:	Not reported
Agency Number:	Not reported
Region:	9
Regulatory Measure ID:	422975
Order Number:	Not reported
Regulatory Measure Type:	Construction
Place ID:	Not reported
WDID:	9 37C362925
Program Type:	Not reported
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	06/24/2016
Discharge Name:	Not reported
Discharge Address:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported

GRAND AVENUE BUILDING PAD AND SLAB DEMOLITION (Continued) **S111459622**

Discharge Zip:	Not reported
Received Date:	02/01/2012
Processed Date:	02/03/2012
Status:	Terminated
Status Date:	06/24/2016
Place Size:	11.88
Place Size Unit:	Acres
Contact:	Elias Gallegos
Contact Title:	Not reported
Contact Phone:	760-744-1050
Contact Phone Ext:	3225
Contact Email:	egallegos@san-marcos.net
Operator Name:	San Marcos City
Operator Address:	1 Civic Center Dr
Operator City:	San Marcos
Operator State:	California
Operator Zip:	92069
Operator Contact:	Reed Thornberry
Operator Contact Title:	Not reported
Operator Contact Phone:	760-744-1050
Operator Contact Phone Ext:	3217
Operator Contact Email:	rthornberry@san-marcos.net
Operator Type:	City/Town Agency
Developer:	San Marcos City
Developer Address:	1 Civic Center Dr
Developer City:	San Marcos
Developer State:	California
Developer Zip:	92069
Developer Contact:	Reed Thornberry
Developer Contact Title:	Not reported
Constype Linear Utility Ind:	N
Emergency Phone:	Not reported
Emergency Phone Ext:	Not reported
Constype Above Ground Ind:	Not reported
Constype Below Ground Ind:	Not reported
Constype Cable Line Ind:	Not reported
Constype Comm Line Ind:	Not reported
Constype Commertial Ind:	Y
Constype Electrical Line Ind:	Not reported
Constype Gas Line Ind:	Not reported
Constype Industrial Ind:	Not reported
Constype Other Description:	Not reported
Constype Other Ind:	Not reported
Constype Recons Ind:	Not reported
Constype Residential Ind:	Not reported
Constype Transport Ind:	Not reported
Constype Utility Description:	Building Demolition and Rough Grading
Constype Utility Ind:	Y
Constype Water Sewer Ind:	Not reported
Dir Discharge Uswater Ind:	Y
Receiving Water Name:	Las Posas reach tributary to San Marcos Creek
Certifier:	Reed Thornberry
Certifier Title:	Not reported
Certification Date:	22-APR-14
Primary Sic:	Not reported
Secondary Sic:	Not reported
Tertiary Sic:	Not reported

GRAND AVENUE BUILDING PAD AND SLAB DEMOLITION (Continued) **S111459622**

NPDES Number:	CAS000002
Status:	Terminated
Agency Number:	0
Region:	9
Regulatory Measure ID:	422975
Order Number:	2009-0009-DWQ
Regulatory Measure Type:	Enrollee
Place ID:	Not reported
WDID:	9 37C362925
Program Type:	Construction
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	02/03/2012
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	06/24/2016
Discharge Name:	San Marcos City
Discharge Address:	1 Civic Center Dr
Discharge City:	San Marcos
Discharge State:	California
Discharge Zip:	92069
Received Date:	Not reported
Processed Date:	Not reported
Status:	Not reported
Status Date:	Not reported
Place Size:	Not reported
Place Size Unit:	Not reported
Contact:	Not reported
Contact Title:	Not reported
Contact Phone:	Not reported
Contact Phone Ext:	Not reported
Contact Email:	Not reported
Operator Name:	Not reported
Operator Address:	Not reported
Operator City:	Not reported
Operator State:	Not reported
Operator Zip:	Not reported
Operator Contact:	Not reported
Operator Contact Title:	Not reported
Operator Contact Phone:	Not reported
Operator Contact Phone Ext:	Not reported
Operator Contact Email:	Not reported
Operator Type:	Not reported
Developer:	Not reported
Developer Address:	Not reported
Developer City:	Not reported
Developer State:	Not reported
Developer Zip:	Not reported
Developer Contact:	Not reported
Developer Contact Title:	Not reported
Constype Linear Utility Ind:	Not reported
Emergency Phone:	Not reported
Emergency Phone Ext:	Not reported
Constype Above Ground Ind:	Not reported
Constype Below Ground Ind:	Not reported
Constype Cable Line Ind:	Not reported
Constype Comm Line Ind:	Not reported
Constype Commertial Ind:	Not reported
Constype Electrical Line Ind:	Not reported

GRAND AVENUE BUILDING PAD AND SLAB DEMOLITION (Continued) **S111459622**

Constype Gas Line Ind:	Not reported
Constype Industrial Ind:	Not reported
Constype Other Description:	Not reported
Constype Other Ind:	Not reported
Constype Recons Ind:	Not reported
Constype Residential Ind:	Not reported
Constype Transport Ind:	Not reported
Constype Utility Description:	Not reported
Constype Utility Ind:	Not reported
Constype Water Sewer Ind:	Not reported
Dir Discharge Uswater Ind:	Not reported
Receiving Water Name:	Not reported
Certifier:	Not reported
Certifier Title:	Not reported
Certification Date:	Not reported
Primary Sic:	Not reported
Secondary Sic:	Not reported
Tertiary Sic:	Not reported

CIWQS:

Name:	GRAND AVENUE BUILDING PAD AND SLAB DEMOLITION
Address:	APN 219 152 70 47 18 14 40 51 42 45 44 61 08
City,State,Zip:	SAN MARCOS, CA 92056
Agency:	San Marcos City
Agency Address:	1 Civic Center Dr, San Marcos, CA 92069
Place/Project Type:	Construction - Commercial, Utility: Building Demolition and Rough Grading
SIC/NAICS:	Not reported
Region:	9
Program:	CONSTW
Regulatory Measure Status:	Terminated
Regulatory Measure Type:	Storm water construction
Order Number:	2009-0009-DWQ
WDID:	9 37C362925
NPDES Number:	CAS000002
Adoption Date:	Not reported
Effective Date:	02/03/2012
Termination Date:	06/24/2016
Expiration/Review Date:	Not reported
Design Flow:	Not reported
Major/Minor:	Not reported
Complexity:	Not reported
TTWQ:	Not reported
Enforcement Actions within 5 years:	0
Violations within 5 years:	0
Latitude:	33.140571
Longitude:	-117.186559

C29 **V W PARADISE** **EDR Hist Auto** **1021487862**
1031 GRAND **N/A**
< 1/8 **SAN MARCOS, CA 92069**
1 ft.

Site 7 of 27 in cluster C

Relative: EDR Hist Auto
Higher

Actual:
544 ft.

Year:	Name:	Type:
1982	V W PARADISE	General Automotive Repair Shops
1983	V W PARADISE	General Automotive Repair Shops
1985	V W PARADISE	General Automotive Repair Shops
1986	V W PARADISE	General Automotive Repair Shops
1987	V W PARADISE	General Automotive Repair Shops
1988	V W PARADISE	General Automotive Repair Shops
1989	V W PARADISE	General Automotive Repair Shops
1990	V W PARADISE	General Automotive Repair Shops
1991	V W PARADISE	General Automotive Repair Shops
1992	V W PARADISE	General Automotive Repair Shops
1993	SCOTTS VW PARADISE	General Automotive Repair Shops
1994	SCOTTS VW PARADISE	General Automotive Repair Shops
1995	SCOTTS VW PARADISE	General Automotive Repair Shops
1996	SCOTTS VW PARADISE	General Automotive Repair Shops
1996	K & K TRANSMISSIONS INC	Automotive Transmission Repair Shops
1997	K & K TRANSMISSIONS INC	Automotive Transmission Repair Shops
1998	K & K TRANSMISSIONS INC	Automotive Transmission Repair Shops
1999	K & K TRANSMISSIONS INC	Automotive Transmission Repair Shops
2000	K & K TRANSMISSIONS INC	Automotive Transmission Repair Shops
2001	K & K AUTO REPAIR	General Automotive Repair Shops
2002	K & K AUTO REPAIR	General Automotive Repair Shops
2003	K & K AUTO REPAIR	General Automotive Repair Shops
2003	DR TRANS	Automotive Transmission Repair Shops
2004	DR TRANS	Automotive Transmission Repair Shops
2005	DR TRANS	Automotive Transmission Repair Shops
2006	DR TRANS	Automotive Transmission Repair Shops
2007	DR TRANS	Automotive Transmission Repair Shops
2010	DR TRANS	Automotive Transmission Repair Shops

C30 **SAN MARCOS POLISHING** **San Diego Co. HMMD** **S104748847**
1043 GRAND AV **N/A**
< 1/8 **SAN MARCOS, CA 92078**
1 ft.

Site 8 of 27 in cluster C

Relative: HMMD SAN DIEGO:
Higher

Actual:
544 ft.

Name:	SAN MARCOS POLISHING
Address:	1043 GRAND AV
City,State,Zip:	SAN MARCOS, CA 92078
Permit Number:	119142
Business Type:	6HK18
EPA Id Number:	CAL000240224
APN:	219-152-47-00
Last HMMD Inspection:	06/20/2008
Facility Telephone:	760-752-9825
Permit Status:	INAC
Permit Expiration:	06/30/2011
Date Last Updated:	11/02/2012
Facility Owner:	CARRASCO ENTERRISES, INC
Facility Mailing Address:	1043 GRAND AVE.
Facility Mailing City:	SAN MARCOS

SAN MARCOS POLISHING (Continued) **S104748847**

Facility Mailing State:	CA
Facility Mailing Zip:	92078
UST Owner:	Not reported
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Y
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

Violations Inactive Permits:

Permit Number:	119142
Update Date:	11/02/2012
Inspection Date:	01/07/2004
Violation Code:	6HV0401
Violation:	TRAINING RECORDS UNAVAILABLE
Violation Citation:	Personnel training records are not maintained to document compliance with requirements for current and former employees. CCR 66265.16(d)&(e)
Activity:	Inactive Permit

Permit Number:	119142
Update Date:	11/02/2012
Inspection Date:	01/07/2004
Violation Code:	6HV0202
Violation:	WASTE CONTAINER W/O LABELS
Violation Citation:	Hazardous waste containers &/or tanks are missing labels, accumulation date and/or are improperly labeled. CCR 66262.34(a)(2); 66262.34(a)(3) & 66262.34(f)
Activity:	Inactive Permit

Permit Number:	119142
Update Date:	11/02/2012
Inspection Date:	06/20/2008
Violation Code:	6HV0227
Violation:	HAZWASTE TANK/CONTAINER W/O LABEL/DATE
Violation Citation:	Failed to properly label/date hazardous waste container &/or tank. 66262.34(f)
Activity:	Inactive Permit

Permit Number:	119142
Update Date:	11/02/2012
Inspection Date:	06/20/2008
Violation Code:	6HV0135
Violation:	MANIFESTS/RECEIPTS FOR 3 YEARS NOT ONSIT
Violation Citation:	Hazardous waste manifests/receipts for 3 years are not maintained onsite to document proper disposal of hazardous waste. CCR 66262.40(a) & 25160.2(b)(3)
Activity:	Inactive Permit

C31 **PARADISE V W** **HAZNET** **S123615623**
1031 GRAND **HWTS** **N/A**
< 1/8 **SAN MARCOS, CA 92069**
1 ft.

Site 9 of 27 in cluster C

Relative: Higher

Actual: 544 ft.

HAZNET:

Name:	PARADISE V W
Address:	1031 GRAND
Address 2:	Not reported
City,State,Zip:	SAN MARCOS, CA 920690000
Contact:	--
Telephone:	--
Mailing Name:	Not reported
Mailing Address:	1031 GRAND AVE
Year:	2013
Gepaid:	CAL000011404
TSD EPA ID:	NVD980895338
CA Waste Code:	331 - Off-specification, aged or surplus organics
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.1

Additional Info:

Year:	2013
Gen EPA ID:	CAL000011404
Shipment Date:	20130906
Creation Date:	1/28/2014 22:15:31
Receipt Date:	20130918
Manifest ID:	011575298JJK
Trans EPA ID:	CAD982413262
Trans Name:	EVERGREEN ENVIRONMENTAL SERVICES
Trans 2 EPA ID:	CAR000210617
Trans 2 Name:	21ST CENTURY ENVIRONMENTAL MANAGEMENT OF CA LP
TSDF EPA ID:	NVD980895338
Trans Name:	21ST CENTURY ENVIRONMENTAL MANAGEMENT OF NEVADA LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	D001
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.1
Waste Quantity:	200
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

HWTS:

Name:	PARADISE V W
Address:	1031 GRAND
Address 2:	Not reported

PARADISE V W (Continued) **S123615623**

City,State,Zip:	SAN MARCOS, CA 92069
EPA ID:	CAL000011404
Inactive Date:	06/30/1998
Create Date:	11/14/1989
Last Act Date:	Not reported
Mailing Name:	Not reported
Mailing Address:	1031 GRAND AVE
Mailing Address 2:	Not reported
Mailing City,State,Zip:	SAN MARCOS, CA 920692602
Owner Name:	SCOTT'S VW PARADISE
Owner Address:	Not reported
Owner Address 2:	Not reported
Owner City,State,Zip:	Not reported
Contact Name:	Not reported
Contact Address:	INACT PER 98VQ FINAL NOTICE
Contact Address 2:	Not reported
City,State,Zip:	Not reported
Facility Status:	Inactive
Facility Type:	PERMANENT
Category:	STATE
Latitude:	33.140305
Longitude:	-117.184263

E32 **AUTO TUNE** **San Diego Co. HMMD** **S106060962**
931 GRAND AV **N/A**
< 1/8 **SAN MARCOS, CA 92078**
1 ft.

Site 1 of 2 in cluster E

Relative: HMMD SAN DIEGO:
Higher

Name:	AUTO TUNE
Address:	931 GRAND AV
City,State,Zip:	SAN MARCOS, CA 92078
Permit Number:	112675
Business Type:	6HK26
EPA Id Number:	CAL000048797
APN:	219-152-42-00
Last HMMD Inspection:	02/19/2009
Facility Telephone:	760-744-0303
Permit Status:	INAC
Permit Expiration:	04/30/2010
Date Last Updated:	11/02/2012
Facility Owner:	ALBERT CERDA JR
Facility Mailing Address:	931 GRAND AV #A
Facility Mailing City:	SAN MARCOS
Facility Mailing State:	CA
Facility Mailing Zip:	92078
UST Owner:	Not reported
Handle Regulated Hazmat:	Y
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Y
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

Actual:
547 ft.

Name:	AUTO TUNE
Address:	931 GRAND AV
City,State,Zip:	SAN MARCOS, CA 92078

AUTO TUNE (Continued) **S106060962**

Permit Number:	112675
Business Type:	6HK26
EPA Id Number:	CAL000048797
APN:	219-152-42-00
Last HMMD Inspection:	02/19/2009
Facility Telephone:	760-744-0303
Permit Status:	INAC
Permit Expiration:	04/30/2010
Date Last Updated:	11/02/2012
Facility Owner:	ALBERT CERDA JR
Facility Mailing Address:	931 GRAND AV #A
Facility Mailing City:	SAN MARCOS
Facility Mailing State:	CA
Facility Mailing Zip:	92078
UST Owner:	Not reported
Handle Regulated Hazmat:	Y
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Y
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

Name:	AUTO TUNE
Address:	931 GRAND AV
City,State,Zip:	SAN MARCOS, CA 92078
Permit Number:	112675
Business Type:	6HK26
EPA Id Number:	CAL000048797
APN:	219-152-42-00
Last HMMD Inspection:	02/19/2009
Facility Telephone:	760-744-0303
Permit Status:	INAC
Permit Expiration:	04/30/2010
Date Last Updated:	11/02/2012
Facility Owner:	ALBERT CERDA JR
Facility Mailing Address:	931 GRAND AV #A
Facility Mailing City:	SAN MARCOS
Facility Mailing State:	CA
Facility Mailing Zip:	92078
UST Owner:	Not reported
Handle Regulated Hazmat:	Y
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Y
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

C33 **RETAINING WALLS CO** **HAZNET S123755175**
1025 GRAND AVE **HWTS N/A**
< 1/8 **SAN MARCOS, CA 92069**
1 ft.

Site 10 of 27 in cluster C

Relative: HAZNET:
Higher

Name:	RETAINING WALLS CO
Address:	1025 GRAND AVE
Address 2:	Not reported
City,State,Zip:	SAN MARCOS, CA 920690000

Actual:
544 ft.

RETAINING WALLS CO (Continued) **S123755175**

Contact:	--
Telephone:	--
Mailing Name:	Not reported
Mailing Address:	1025 GRAND AVE
Year:	1986
Gepaid:	CAD981377559
TSD EPA ID:	Not reported
CA Waste Code:	221 - Waste oil and mixed oil
Disposal Method:	01 -
Tons:	0.3127
Year:	1986
Gepaid:	CAD981377559
TSD EPA ID:	CAT080013352
CA Waste Code:	221 - Waste oil and mixed oil
Disposal Method:	R01 - Recycler
Tons:	1.8765
Year:	1986
Gepaid:	CAD981377559
TSD EPA ID:	CAT0013352
CA Waste Code:	221 - Waste oil and mixed oil
Disposal Method:	01 -
Tons:	0.834

HWTS:

Name:	RETAINING WALLS CO
Address:	1025 GRAND AVE
Address 2:	Not reported
City,State,Zip:	SAN MARCOS, CA 92069
EPA ID:	CAD981377559
Inactive Date:	06/30/1998
Create Date:	04/10/1987
Last Act Date:	Not reported
Mailing Name:	Not reported
Mailing Address:	1025 GRAND AVE
Mailing Address 2:	Not reported
Mailing City,State,Zip:	SAN MARCOS, CA 920692602
Owner Name:	Not reported
Owner Address:	Not reported
Owner Address 2:	Not reported
Owner City,State,Zip:	Not reported
Contact Name:	Not reported
Contact Address:	INACT PER 98VQ FINAL NOTICE
Contact Address 2:	Not reported
City,State,Zip:	Not reported
Facility Status:	Inactive
Facility Type:	PERMANENT
Category:	STATE
Latitude:	33.140248
Longitude:	-117.184103

C34 **K&K TRANSMISSION** **HAZNET** **S113078021**
1031 GRAND AVENUE **HWTS** **N/A**
< 1/8 **SAN MARCOS, CA 92069**
1 ft.

Site 11 of 27 in cluster C

Relative: Higher

Actual: 544 ft.

HAZNET:

Name:	K&K TRANSMISSION
Address:	1031 GRAND AVENUE
Address 2:	Not reported
City,State,Zip:	SAN MARCOS, CA 920690000
Contact:	LING KOONG, OWNER
Telephone:	7604710494
Mailing Name:	Not reported
Mailing Address:	1031 GRAND AVE
Year:	1998
Gepaid:	CAL000142377
TSD EPA ID:	CAT080033681
CA Waste Code:	491 - Unspecified sludge waste
Disposal Method:	R01 - Recycler
Tons:	0.0208

Additional Info:

Year:	1998
Gen EPA ID:	CAL000142377
Shipment Date:	19980331
Creation Date:	6/16/1998 0:00:00
Receipt Date:	19980410
Manifest ID:	97222361
Trans EPA ID:	CAD028277036
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080033681
Trans Name:	Not reported
TSDF Alt EPA ID:	CAT080033681
TSDF Alt Name:	Not reported
Waste Code Description:	491 - Unspecified sludge waste
RCRA Code:	Not reported
Meth Code:	R01 - Recycler
Quantity Tons:	0.0208
Waste Quantity:	5
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

HWTS:

Name:	K&K TRANSMISSION
Address:	1031 GRAND AVENUE
Address 2:	Not reported
City,State,Zip:	SAN MARCOS, CA 92069
EPA ID:	CAL000142377

K&K TRANSMISSION (Continued) **S113078021**

Inactive Date:	06/30/2002
Create Date:	04/06/1995
Last Act Date:	Not reported
Mailing Name:	Not reported
Mailing Address:	1031 GRAND AVE
Mailing Address 2:	Not reported
Mailing City,State,Zip:	SAN MARCOS, CA 920692602
Owner Name:	LING KOONG
Owner Address:	1031 GRAND AVE
Owner Address 2:	Not reported
Owner City,State,Zip:	SAN MARCOS, CA 920692602
Contact Name:	LING KOONG, OWNER
Contact Address:	1031 GRAND AVE
Contact Address 2:	Not reported
City,State,Zip:	SAN MARCOS, CA 920692602
Facility Status:	Inactive
Facility Type:	PERMANENT
Category:	STATE
Latitude:	33.140305
Longitude:	-117.184263

NAICS:

EPA ID:	CAL000142377
Create Date:	2002-03-14 16:36:28.000
NAICS Code:	811113
NAICS Description:	Automotive Transmission Repair
Issued EPA ID Date:	1995-04-06 00:00:00
Inactive Date:	2002-06-30 00:00:00
Facility Name:	K&K TRANSMISSION
Facility Address:	1031 GRAND AVENUE
Facility Address 2:	Not reported
Facility City:	SAN MARCOS
Facility County:	Not reported
Facility State:	CA
Facility Zip:	920690000

C35 **DR.TRANS** **San Diego Co. HMMD** **S106071817**
1031 W GRAND AV **N/A**
< 1/8 **SAN MARCOS, CA 92078**
1 ft.

Site 12 of 27 in cluster C

Relative: **Higher**
Actual: **544 ft.**

HMMD SAN DIEGO:

Name:	DR.TRANS
Address:	1031 W GRAND AV
City,State,Zip:	SAN MARCOS, CA 92078
Permit Number:	201835
Business Type:	6HK26
EPA Id Number:	CAL000229827
APN:	219-152-70-00
Last HMMD Inspection:	07/13/2006
Facility Telephone:	760-471-0594
Permit Status:	CHNG
Permit Expiration:	05/31/2007
Date Last Updated:	11/02/2012
Facility Owner:	TIMOTHY WILDES
Facility Mailing Address:	1031 GRAND AV

DR.TRANS (Continued) **S106071817**

Facility Mailing City:	SAN MARCOS
Facility Mailing State:	CA
Facility Mailing Zip:	92078
UST Owner:	Not reported
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Y
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

Name:	DR.TRANS
Address:	1031 W GRAND AV
City,State,Zip:	SAN MARCOS, CA 92078
Permit Number:	201835
Business Type:	6HK26
EPA Id Number:	CAL000229827
APN:	219-152-70-00
Last HMMD Inspection:	07/13/2006
Facility Telephone:	760-471-0594
Permit Status:	CHNG
Permit Expiration:	05/31/2007
Date Last Updated:	11/02/2012
Facility Owner:	TIMOTHY WILDES
Facility Mailing Address:	1031 GRAND AV
Facility Mailing City:	SAN MARCOS
Facility Mailing State:	CA
Facility Mailing Zip:	92078
UST Owner:	Not reported
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Y
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

C36 **RUDYS RADIATOR SHOP** **HAZNET S123759131**
1057 GRAND AVE **HWTS N/A**
< 1/8 **SAN MARCOS, CA 92069**
1 ft.

Site 13 of 27 in cluster C

Relative: Higher
Actual: 544 ft.

HAZNET:

Name:	RUDYS RADIATOR SHOP
Address:	1057 GRAND AVE
Address 2:	Not reported
City,State,Zip:	SAN MARCOS, CA 920690000
Contact:	INACTIVE,UNDELIVERABLE 96 FEE
Telephone:	6197449194
Mailing Name:	Not reported
Mailing Address:	1057 GRAND AVE

Year:	1987
Gepaid:	CAD981980295
TSD EPA ID:	CAD981436165
CA Waste Code:	171 - Metal sludge (Alkaline solution (pH >= 12.5) with metals)
Disposal Method:	R01 - Recycler
Tons:	0.036

RUDYS RADIATOR SHOP (Continued) **S123759131**

HWTS:

Name:	RUDYS RADIATOR SHOP
Address:	1057 GRAND AVE
Address 2:	Not reported
City,State,Zip:	SAN MARCOS, CA 92069
EPA ID:	CAD981980295
Inactive Date:	06/30/1996
Create Date:	07/03/1987
Last Act Date:	Not reported
Mailing Name:	Not reported
Mailing Address:	1057 GRAND AVE
Mailing Address 2:	Not reported
Mailing City,State,Zip:	SAN MARCOS, CA 920690000
Owner Name:	ALEX MARTINEZ
Owner Address:	1057 GRAND AVE
Owner Address 2:	Not reported
Owner City,State,Zip:	SAN MARCOS, CA 920690000
Contact Name:	INACTIVE,UNDELIVERABLE 96 FEE
Contact Address:	1057 GRAND AVE
Contact Address 2:	Not reported
City,State,Zip:	SAN MARCOS, CA 920690000
Facility Status:	Inactive
Facility Type:	PERMANENT
Category:	FEDERAL
Latitude:	33.141438
Longitude:	-117.187506

C37 **B & R PORSCHE** **San Diego Co. HMMD** **S104754770**
1055 GRAND AV **N/A**
< 1/8 **SAN MARCOS, CA 92069**
1 ft.

Site 14 of 27 in cluster C

Relative: **Higher**
Actual: **544 ft.**

HMMD SAN DIEGO:

Name:	B & R PORSCHE
Address:	1055 GRAND AV
City,State,Zip:	SAN MARCOS, CA 92069
Permit Number:	135005
Business Type:	6HK26
EPA Id Number:	Not reported
APN:	219-152-70-00
Last HMMD Inspection:	10/04/1994
Facility Telephone:	619-591-3792
Permit Status:	INAC
Permit Expiration:	10/04/1994
Date Last Updated:	11/02/2012
Facility Owner:	ROBERT JOY
Facility Mailing Address:	1055 GRAND AV
Facility Mailing City:	SAN MARCOS
Facility Mailing State:	CA
Facility Mailing Zip:	92069-
UST Owner:	Not reported
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Y
Treat Haz Waste:	Not reported

B & R PORSCHE (Continued) **S104754770**

Generate Medical Waste: Not reported

C38 **GLOBAL TRANSMISSIONS** **San Diego Co. HMMD** **S105164237**
1031 W GRAND AV **N/A**
< 1/8 **SAN MARCOS, CA 92069**
1 ft.

Site 15 of 27 in cluster C

Relative: HMMD SAN DIEGO:
Higher

Name:	AMERICA TRANSMISSIONS
Address:	1031 W GRAND AV
City,State,Zip:	SAN MARCOS, CA 92078
Permit Number:	208359
Business Type:	6HK26
EPA Id Number:	Not reported
APN:	219-152-70-00
Last HMMD Inspection:	08/17/2007
Facility Telephone:	760-471-0594
Permit Status:	INAC
Permit Expiration:	12/31/2007
Date Last Updated:	11/02/2012
Facility Owner:	FIDELA CHAVEZ
Facility Mailing Address:	1031 GRAND AV
Facility Mailing City:	SAN MARCOS
Facility Mailing State:	CA
Facility Mailing Zip:	92078
UST Owner:	Not reported
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Y
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

Actual:
544 ft.

Name:	AMERICA TRANSMISSIONS
Address:	1031 W GRAND AV
City,State,Zip:	SAN MARCOS, CA 92078
Permit Number:	208359
Business Type:	6HK26
EPA Id Number:	Not reported
APN:	219-152-70-00
Last HMMD Inspection:	08/17/2007
Facility Telephone:	760-471-0594
Permit Status:	INAC
Permit Expiration:	12/31/2007
Date Last Updated:	11/02/2012
Facility Owner:	FIDELA CHAVEZ
Facility Mailing Address:	1031 GRAND AV
Facility Mailing City:	SAN MARCOS
Facility Mailing State:	CA
Facility Mailing Zip:	92078
UST Owner:	Not reported
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Y
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

GLOBAL TRANSMISSIONS (Continued) **S105164237**

Name:	GLOBAL TRANSMISSIONS
Address:	1031 W GRAND AV
City,State,Zip:	SAN MARCOS, CA 92069
Permit Number:	113493
Business Type:	6HK26
EPA Id Number:	CAL000229827
APN:	219-152-70-00
Last HMMD Inspection:	11/21/2002
Facility Telephone:	760-471-0494
Permit Status:	CHNG
Permit Expiration:	05/31/2003
Date Last Updated:	11/02/2012
Facility Owner:	ROBERT MURILLO
Facility Mailing Address:	1031 W GRAND AV
Facility Mailing City:	SAN MARCOS
Facility Mailing State:	CA
Facility Mailing Zip:	92069-2602
UST Owner:	Not reported
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Y
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

Name:	AMERICA TRANSMISSIONS
Address:	1031 W GRAND AV
City,State,Zip:	SAN MARCOS, CA 92078
Permit Number:	208359
Business Type:	6HK26
EPA Id Number:	Not reported
APN:	219-152-70-00
Last HMMD Inspection:	08/17/2007
Facility Telephone:	760-471-0594
Permit Status:	INAC
Permit Expiration:	12/31/2007
Date Last Updated:	11/02/2012
Facility Owner:	FIDELA CHAVEZ
Facility Mailing Address:	1031 GRAND AV
Facility Mailing City:	SAN MARCOS
Facility Mailing State:	CA
Facility Mailing Zip:	92078
UST Owner:	Not reported
Handle Regulated Hazmat:	Y
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Y
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

C39 **JERRY'S EQUIPMENT** **San Diego Co. HMMD** **S104748852**
1025 GRAND AV **N/A**
< 1/8 **SAN MARCOS, CA 92069**
1 ft.

Site 16 of 27 in cluster C

Relative: Higher

Actual: 544 ft.

HMMD SAN DIEGO:

Name:	JERRY'S EQUIPMENT
Address:	1025 GRAND AV
City,State,Zip:	SAN MARCOS, CA 92069
Permit Number:	133818
Business Type:	6HK26
EPA Id Number:	CAL000061961
APN:	219-152-47-00
Last HMMD Inspection:	04/22/2001
Facility Telephone:	760-752-7760
Permit Status:	INAC
Permit Expiration:	04/30/2003
Date Last Updated:	11/02/2012
Facility Owner:	JERRY BUMPUS
Facility Mailing Address:	3425 HOLLENCREST RD
Facility Mailing City:	SAN MARCOS
Facility Mailing State:	CA
Facility Mailing Zip:	92069-
UST Owner:	Not reported
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Y
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

Name:	CONCRETE SPECIALTIES CO.
Address:	1025 GRAND AV
City,State,Zip:	SAN MARCOS, CA 92078
Permit Number:	119150
Business Type:	6HK70
EPA Id Number:	CAC001139928
APN:	219-152-47-00
Last HMMD Inspection:	06/15/2011
Facility Telephone:	760-471-2500
Permit Status:	INAC
Permit Expiration:	06/30/2011
Date Last Updated:	11/02/2012
Facility Owner:	VAN DAVIS
Facility Mailing Address:	1025 GRAND AV
Facility Mailing City:	SAN MARCOS
Facility Mailing State:	CA
Facility Mailing Zip:	92078
UST Owner:	Not reported
Handle Regulated Hazmat:	Y
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Y
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

Violations Inactive Permits:

Permit Number:	119150
Update Date:	11/02/2012

JERRY'S EQUIPMENT (Continued) **S104748852**

Inspection Date:	01/29/2004
Violation Code:	6HV0135
Violation:	MANIFESTS/RECEIPTS FOR 3 YEARS NOT ONSIT
Violation Citation:	Hazardous waste manifests/receipts for 3 years are not maintained onsite to document proper disposal of hazardous waste. CCR 66262.40(a) & 25160.2(b)(3)
Activity:	Inactive Permit
Permit Number:	119150
Update Date:	11/02/2012
Inspection Date:	01/29/2004
Violation Code:	6HV0201
Violation:	WASTE CONTAINER NOT CLOSED
Violation Citation:	Hazardous waste containers are not kept closed while in storage. CCR 66265.173(a)
Activity:	Inactive Permit
Permit Number:	119150
Update Date:	11/02/2012
Inspection Date:	01/29/2004
Violation Code:	6HV0202
Violation:	WASTE CONTAINER W/O LABELS
Violation Citation:	Hazardous waste containers &/or tanks are missing labels, accumulation date and/or are improperly labeled. CCR 66262.34(a)(2); 66262.34(a)(3) & 66262.34(f)
Activity:	Inactive Permit
Permit Number:	119150
Update Date:	11/02/2012
Inspection Date:	01/29/2004
Violation Code:	6HV0208
Violation:	STORAGE AREA: NO WEEKLY INSPECTION
Violation Citation:	Hazardous waste storage area is not being inspected weekly for deteriorated or leaking containers CCR 66265.174
Activity:	Inactive Permit
Permit Number:	119150
Update Date:	11/02/2012
Inspection Date:	01/29/2004
Violation Code:	6HV0215
Violation:	OIL FILTERS IMPROPERLY MANAGED
Violation Citation:	Used oil filters not properly drained, stored, or labeled prior to transport for the purpose of metal reclamation. CCR 66266.130
Activity:	Inactive Permit
Permit Number:	119150
Update Date:	11/02/2012
Inspection Date:	01/29/2004
Violation Code:	6HV0401
Violation:	TRAINING RECORDS UNAVAILABLE
Violation Citation:	Personnel training records are not maintained to document compliance with requirements for current and former employees. CCR 66265.16(d)&(e)
Activity:	Inactive Permit
Permit Number:	119150
Update Date:	11/02/2012

JERRY'S EQUIPMENT (Continued) **S104748852**

Inspection Date:	08/02/2005
Violation Code:	6HV0204
Violation:	WASTE CONTAINER:IMPROPER MGMT
Violation Citation:	Hazardous waste storage container is not handled or stored in a manner which will prevent leaks or rupture. CCR 66265.173
Activity:	Inactive Permit
Permit Number:	119150
Update Date:	11/02/2012
Inspection Date:	08/02/2005
Violation Code:	6HV0205
Violation:	WASTE CONTAINER: POOR CONDITION
Violation Citation:	Failed to transfer hazardous waste from a container that leaked or was in poor condition to another container in good condition. CCR 66265.171
Activity:	Inactive Permit
Permit Number:	119150
Update Date:	11/02/2012
Inspection Date:	02/22/2007
Violation Code:	6HV0135
Violation:	MANIFESTS/RECEIPTS FOR 3 YEARS NOT ONSIT
Violation Citation:	Hazardous waste manifests/receipts for 3 years are not maintained onsite to document proper disposal of hazardous waste. CCR 66262.40(a) & 25160.2(b)(3)
Activity:	Inactive Permit
Permit Number:	119150
Update Date:	11/02/2012
Inspection Date:	02/22/2007
Violation Code:	6HV0218
Violation:	FILTERS:FUEL/OIL NOT LABELED OR CLOSED
Violation Citation:	Failed to label &/or close drained used oil filters &/or used fuel filters. 25250.22 and 66266.130(c)(3)
Activity:	Inactive Permit
Permit Number:	119150
Update Date:	11/02/2012
Inspection Date:	02/22/2007
Violation Code:	6HV0227
Violation:	HAZWASTE TANK/CONTAINER W/O LABEL/DATE
Violation Citation:	Failed to properly label/date hazardous waste container &/or tank. 66262.34(f)
Activity:	Inactive Permit
Permit Number:	119150
Update Date:	11/02/2012
Inspection Date:	02/22/2007
Violation Code:	6HV0229
Violation:	HW CONTAINERS NOT INSPECTED WEEKLY
Violation Citation:	Failed to conduct weekly inspections. CFR 265.174
Activity:	Inactive Permit
Permit Number:	119150
Update Date:	11/02/2012
Inspection Date:	02/22/2007
Violation Code:	6HV0234

JERRY'S EQUIPMENT (Continued) **S104748852**

Violation:	FACILITY NOT OPERATED TO MINIM. RELEASE
Violation Citation:	Did not maintain &/or operate facility to prevent release or fire. CFR 265.31
Activity:	Inactive Permit
Permit Number:	119150
Update Date:	11/02/2012
Inspection Date:	02/22/2007
Violation Code:	6HV0407
Violation:	EMPLOYEE TRAINING NOT ADEQUATE
Violation Citation:	Employee training program for small quantity generator of hazardous waste is inadequate. CFR 262.34(d)(5)(iii)
Activity:	Inactive Permit
Permit Number:	119150
Update Date:	11/02/2012
Inspection Date:	06/15/2011
Violation Code:	6HV0301
Violation:	HAZWASTE:UNAUTHORIZED DISPOSAL
Violation Citation:	Disposal or causing the disposal of hazardous waste to an unauthorized point (ground, storm drain, sewer system, trash, or air). HSC 25189.5(a) or 25189(d)
Activity:	Inactive Permit
Permit Number:	119150
Update Date:	11/02/2012
Inspection Date:	06/15/2011
Violation Code:	6HV0304
Violation:	WASTE DETERMINATION NOT MADE
Violation Citation:	Generator of a waste has not determined if that waste is a hazardous waste as defined by law. CCR 66262.11 & 66260.200(c)
Activity:	Inactive Permit
Permit Number:	119150
Update Date:	11/02/2012
Inspection Date:	06/15/2011
Violation Code:	6HV0307
Violation:	ILLEGAL DISPOSAL OF UNIVERSAL WASTE
Violation Citation:	Disposal of universal waste to an unauthorized point. 25189.5(a); SQH:66273.11(a); LQH: 66273.31(a)
Activity:	Inactive Permit
Permit Number:	119150
Update Date:	11/02/2012
Inspection Date:	06/15/2011
Violation Code:	6HV0216
Violation:	HAZMATS WITHOUT PROPER LABELS
Violation Citation:	Hazardous materials have not been adequately labeled within 10 days & are now declared hazardous waste. HSC 25124(b)(3)(A) & 66262.34(f)
Activity:	Inactive Permit
Permit Number:	119150
Update Date:	11/02/2012
Inspection Date:	06/15/2011
Violation Code:	6HV0218
Violation:	FILTERS:FUEL/OIL NOT LABELED OR CLOSED
Violation Citation:	Failed to label &/or close drained used oil filters &/or used fuel

JERRY'S EQUIPMENT (Continued) **S104748852**

filters. 25250.22 and 66266.130(c)(3)
Activity: Inactive Permit

Permit Number: 119150
Update Date: 11/02/2012
Inspection Date: 06/15/2011
Violation Code: 6HV0226
Violation: HW NOT ACCUMULATED IN TANK/CONTAINER
Violation Citation: Did not accumulate waste in container or tank. 66262.34 (d)(2)
Activity: Inactive Permit

Permit Number: 119150
Update Date: 11/02/2012
Inspection Date: 06/15/2011
Violation Code: 6HV0227
Violation: HAZWASTE TANK/CONTAINER W/O LABEL/DATE
Violation Citation: Failed to properly label/date hazardous waste container &/or tank. 66262.34(f)
Activity: Inactive Permit

Permit Number: 119150
Update Date: 11/02/2012
Inspection Date: 06/15/2011
Violation Code: 6HV0228
Violation: CONTAINER NOT KEPT CLOSED
Violation Citation: Failed to keep container closed. CFR 265.173
Activity: Inactive Permit

Permit Number: 119150
Update Date: 11/02/2012
Inspection Date: 06/15/2011
Violation Code: 6HV0234
Violation: FACILITY NOT OPERATED TO MINIM. RELEASE
Violation Citation: Did not maintain &/or operate facility to prevent release or fire. CFR 265.31
Activity: Inactive Permit

C40 **CITY OF SAN MARCOS** **HAZNET S112991110**
1041 GRAND AVE **HWTS N/A**
< 1/8 **SAN MARCOS, CA 92078**
1 ft.

Site 17 of 27 in cluster C

Relative: Higher
Actual: 544 ft.

HAZNET:
Name: CITY OF SAN MARCOS
Address: 1041 GRAND AVE
Address 2: Not reported
City,State,Zip: SAN MARCOS, CA 920782602
Contact: CARL BLAIDELL
Telephone: 7607592260
Mailing Name: Not reported
Mailing Address: 1 CIVIC CENTER DR

Year: 2011
Gepaid: CAC002672944
TSD EPA ID: AZC950823111
CA Waste Code: 151 - Asbestos containing waste

CITY OF SAN MARCOS (Continued) **S112991110**

Disposal Method: H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Tons: 0.4

Additional Info:
Year: 2011
Gen EPA ID: CAC002672944

Shipment Date: 20110812
Creation Date: 2/7/2012 20:30:12
Receipt Date: 20110822
Manifest ID: 007822262JJK
Trans EPA ID: CAL000190758
Trans Name: JANUS CORPORATION
Trans 2 EPA ID: CAR000049064
Trans 2 Name: ECTI
TSDF EPA ID: AZC950823111
Trans Name: LA PAZ LANDFILL
TSDF Alt EPA ID: Not reported
TSDF Alt Name: Not reported
Waste Code Description: 151 - Asbestos-containing waste
RCRA Code: Not reported
Meth Code: H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons: 0.4
Waste Quantity: 1
Quantity Unit: Y
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

HWTS:
Name: CITY OF SAN MARCOS
Address: 1041 GRAND AVE
Address 2: Not reported
City,State,Zip: SAN MARCOS, CA 92078
EPA ID: CAC002672944
Inactive Date: 02/01/2012
Create Date: 08/04/2011
Last Act Date: Not reported
Mailing Name: Not reported
Mailing Address: 1 CIVIC CENTER DR
Mailing Address 2: Not reported
Mailing City,State,Zip: SAN MARCOS, CA 92069
Owner Name: CITY OF SAN MARCOS
Owner Address: 1 CIVIC CENTER DR
Owner Address 2: Not reported
Owner City,State,Zip: SAN MARCOS, CA 92069
Contact Name: CARL BLAIDELL
Contact Address: 1 CIVIC CENTER DR
Contact Address 2: Not reported
City,State,Zip: SAN MARCOS, CA 92069
Facility Status: Inactive

CITY OF SAN MARCOS (Continued) **S112991110**

Facility Type: TEMPORARY
Category: STATE
Latitude: 33.1411
Longitude: -117.18658

C41 **CRIBWALL COMPANY SITE** **FINDS** **1023350187**
1023 GRAND AVENUE **N/A**
< 1/8 **SAN MARCOS, CA 92078**
1 ft.

Site 18 of 27 in cluster C

Relative: FINDS:
Higher Registry ID: 110066464739

Actual:
544 ft. Click Here for FRS Facility Detail Report:

Environmental Interest/Information System:
STATE MASTER

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

C42 **GRAND AVENUE METAL INDUSTRIAL BUILDINGS** **FINDS** **1023310698**
1031 GRAND AVENUE **N/A**
< 1/8 **SAN MARCOS, CA 92078**
1 ft.

Site 19 of 27 in cluster C

Relative: FINDS:
Higher Registry ID: 110066035025

Actual:
544 ft. Click Here for FRS Facility Detail Report:

Environmental Interest/Information System:
STATE MASTER

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

C43 **COMPUTER EDGE AUTOMOTIVE** **San Diego Co. HMMD** **S104755084**
1051 GRAND AV **N/A**
< 1/8 **SAN MARCOS, CA 92069**
1 ft.

Site 20 of 27 in cluster C

Relative: HMMD SAN DIEGO:
Higher
Name: COMPUTER EDGE AUTOMOTIVE
Actual: Address: 1051 GRAND AV
544 ft. City,State,Zip: SAN MARCOS, CA 92069
Permit Number: 136718
Business Type: 6HK26
EPA Id Number: CAL000172718
APN: 219-152-70-00
Last HMMD Inspection: 07/25/2000
Facility Telephone: 760-471-7586
Permit Status: INAC
Permit Expiration: 07/25/2000
Date Last Updated: 11/02/2012

COMPUTER EDGE AUTOMOTIVE (Continued) **S104755084**

Facility Owner:	ADALBERTO ALVARADO
Facility Mailing Address:	1051 GRAND AV
Facility Mailing City:	SAN MARCOS
Facility Mailing State:	CA
Facility Mailing Zip:	92069-
UST Owner:	Not reported
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Y
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

Name:	THE ENGINE KING
Address:	1051 GRAND AV
City,State,Zip:	SAN MARCOS, CA 92069
Permit Number:	135590
Business Type:	6HK26
EPA Id Number:	Not reported
APN:	219-152-70-00
Last HMMD Inspection:	02/28/1996
Facility Telephone:	619-744-6288
Permit Status:	INAC
Permit Expiration:	02/28/1996
Date Last Updated:	11/02/2012
Facility Owner:	CHARLES DYNES
Facility Mailing Address:	1051 GRAND AV
Facility Mailing City:	SAN MARCOS
Facility Mailing State:	CA
Facility Mailing Zip:	92069-
UST Owner:	Not reported
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Y
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

C44 **JOHNS MOBILE** **San Diego Co. HMMD** **S106059851**
1049 GRAND AVE **HAZNET** **N/A**
< 1/8 **SAN MARCOS, CA 92078** **HWTS**
1 ft.

Site 21 of 27 in cluster C

Relative: HMMD SAN DIEGO:
Higher

Name:	ROBERT MADDOCKS
Address:	1049 GRAND AV
City,State,Zip:	SAN MARCOS, CA 92069
Permit Number:	101663
Business Type:	6HK26
EPA Id Number:	CAL000224590
APN:	219-152-70-00
Last HMMD Inspection:	03/27/2003
Facility Telephone:	760-736-4829
Permit Status:	INAC
Permit Expiration:	01/31/2004
Date Last Updated:	11/02/2012
Facility Owner:	ROBERT MADDOCKS

Actual:
544 ft.

JOHNS MOBILE (Continued) **S106059851**

Facility Mailing Address:	1049 GRAND AV
Facility Mailing City:	SAN MARCOS
Facility Mailing State:	CA
Facility Mailing Zip:	92069-
UST Owner:	Not reported
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Y
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

HAZNET:

Name:	JOHNS MOBILE
Address:	1049 GRAND AVE
Address 2:	Not reported
City,State,Zip:	SAN MARCOS, CA 920782602
Contact:	JOHN VONHORENBURG
Telephone:	7602335910
Mailing Name:	Not reported
Mailing Address:	140 N ANDREASEN DR
Year:	2015
Gepaid:	CAL000339981
TSD EPA ID:	CAD028409019
CA Waste Code:	134 - Aqueous solution with total organic residues less than 10 percent
Disposal Method:	H135 - Discharge To Sewer/Potw Or Npdes(With Prior Storage--With Or Without Treatment)
Tons:	0.462
Year:	2015
Gepaid:	CAL000339981
TSD EPA ID:	AZR000501510
CA Waste Code:	181 - Other inorganic solid waste
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	1.75

Additional Info:

Year:	2015
Gen EPA ID:	CAL000339981
Shipment Date:	20150827
Creation Date:	11/5/2015 22:15:17
Receipt Date:	20150903
Manifest ID:	009680055JJK
Trans EPA ID:	CAR000235960
Trans Name:	EVR ENVIRONMENTAL INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD028409019
Trans Name:	CROSBY & OVERTON
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported

JOHNS MOBILE (Continued) **S106059851**

Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	Not reported
Meth Code:	H135 - Discharge To Sewer/Potw Or Npdes(With Prior Storage--With Or Without Treatment)
Quantity Tons:	0.462
Waste Quantity:	110
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20150827
Creation Date:	2/11/2016 22:15:11
Receipt Date:	20150903
Manifest ID:	009680054JJK
Trans EPA ID:	CAR000235960
Trans Name:	EVR ENVIRONMENTAL INC
Trans 2 EPA ID:	CAD980585293
Trans 2 Name:	INDUSTRIAL WASTE UTILIZATION INC
TSDF EPA ID:	AZR000501510
Trans Name:	AA SYDCOL LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	1.75
Waste Quantity:	3500
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

HWTS:

Name:	JOHNS MOBILE
Address:	1049 GRAND AVE
Address 2:	Not reported
City,State,Zip:	SAN MARCOS, CA 92078
EPA ID:	CAL000339981
Inactive Date:	06/30/2015
Create Date:	01/22/2009
Last Act Date:	Not reported
Mailing Name:	Not reported
Mailing Address:	140 N ANDREASEN DR
Mailing Address 2:	Not reported
Mailing City,State,Zip:	ESCONDIDO, CA 920290000
Owner Name:	JOHN VONHORENBURG
Owner Address:	1106 2ND ST
Owner Address 2:	Not reported
Owner City,State,Zip:	ENCINITAS, CA 920245008
Contact Name:	JOHN VONHORENBURG
Contact Address:	140 N ANDREASEN DR

JOHNS MOBILE (Continued) **S106059851**

Contact Address 2: Not reported
City,State,Zip: ESCONDIDO, CA 92029
Facility Status: Inactive
Facility Type: PERMANENT
Category: STATE
Latitude: 33.14116
Longitude: -117.18674

NAICS:
EPA ID: CAL000339981
Create Date: 2009-01-22 14:17:35.617
NAICS Code: 811111
NAICS Description: General Automotive Repair
Issued EPA ID Date: 2009-01-22 14:17:35.60000
Inactive Date: 2015-06-30 00:00:00
Facility Name: JOHNS MOBILE
Facility Address: 1049 GRAND AVE
Facility Address 2: Not reported
Facility City: SAN MARCOS
Facility County: Not reported
Facility State: CA
Facility Zip: 920782602

C45 **CITY OF SAN MARCOS** **HAZNET S112988309**
1023 GRAND AVE **HWTS N/A**
< 1/8 **SAN MARCOS, CA 92078**
1 ft.

Site 22 of 27 in cluster C

Relative: Higher
Actual: 544 ft.

HAZNET:
Name: CITY OF SAN MARCOS
Address: 1023 GRAND AVE
Address 2: Not reported
City,State,Zip: SAN MARCOS, CA 920782602
Contact: CARL BLAISDELL EXT 3240
Telephone: 7607441050
Mailing Name: Not reported
Mailing Address: 1 CIVIC CENTER DR

Year: 2011
Gepaid: CAC002669308
TSD EPA ID: CAD982444481
CA Waste Code: 222 - Oil/water separation sludge
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.5

Year: 2011
Gepaid: CAC002669308
TSD EPA ID: CAD982444481
CA Waste Code: 221 - Waste oil and mixed oil
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 2.09

Year: 2011
Gepaid: CAC002669308

CITY OF SAN MARCOS (Continued) **S112988309**

TSD EPA ID: CAD982444481
CA Waste Code: 352 - Other organic solids
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 3.05

Year: 2011
Gepaid: CAC002669308
TSD EPA ID: CAD008353405
CA Waste Code: 331 - Off-specification, aged or surplus organics
Disposal Method: H061 - Fuel Blending Prior To Energy Recovery At Another Site
Tons: 0.5945

Year: 2011
Gepaid: CAC002669308
TSD EPA ID: CAD008364432
CA Waste Code: 331 - Off-specification, aged or surplus organics
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.383

Year: 2011
Gepaid: CAC002669308
TSD EPA ID: CAD008364432
CA Waste Code: 214 - Unspecified solvent mixture
Disposal Method: H061 - Fuel Blending Prior To Energy Recovery At Another Site
Tons: 1.05

Year: 2011
Gepaid: CAC002669308
TSD EPA ID: CAD008353405
CA Waste Code: 331 - Off-specification, aged or surplus organics
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.015

Year: 2011
Gepaid: CAC002669308
TSD EPA ID: CAD982444481
CA Waste Code: 491 - Unspecified sludge waste
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.1225

Additional Info:
Year: 2011
Gen EPA ID: CAC002669308

Shipment Date: 20110624
Creation Date: 8/26/2011 18:30:30
Receipt Date: 20110629
Manifest ID: 005734156JJK
Trans EPA ID: CAR000201095
Trans Name: PHOENIX ENVIRONMENTAL ENGINEERING & CONSTRUCTION INC
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported

CITY OF SAN MARCOS (Continued) **S112988309**

TSDF EPA ID:	CAD982444481
Trans Name:	FILTER RECYCLING SERVICES INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	1
Waste Quantity:	2000
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20110624
Creation Date:	12/20/2011 18:30:15
Receipt Date:	20110629
Manifest ID:	005734161JJK
Trans EPA ID:	CAR000201095
Trans Name:	PHOENIX ENVIRONMENTAL ENGINEERING & CONSTRUCTION INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008353405
Trans Name:	PACIFIC RESOURCE RECOVERY
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	D001
Meth Code:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Quantity Tons:	0.1815
Waste Quantity:	55
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20110624
Creation Date:	8/26/2011 18:30:30
Receipt Date:	20110629
Manifest ID:	005734156JJK
Trans EPA ID:	CAR000201095
Trans Name:	PHOENIX ENVIRONMENTAL ENGINEERING & CONSTRUCTION INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD982444481
Trans Name:	FILTER RECYCLING SERVICES INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)

CITY OF SAN MARCOS (Continued) **S112988309**

Quantity Tons:	1.045
Waste Quantity:	275
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20110624
Creation Date:	8/26/2011 18:30:30
Receipt Date:	20110629
Manifest ID:	005734156JJK
Trans EPA ID:	CAR000201095
Trans Name:	PHOENIX ENVIRONMENTAL ENGINEERING & CONSTRUCTION INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD982444481
Trans Name:	FILTER RECYCLING SERVICES INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	1.045
Waste Quantity:	275
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20110624
Creation Date:	8/26/2011 18:30:30
Receipt Date:	20110629
Manifest ID:	005734157JJK
Trans EPA ID:	CAR000201095
Trans Name:	PHOENIX ENVIRONMENTAL ENGINEERING & CONSTRUCTION INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD982444481
Trans Name:	FILTER RECYCLING SERVICES INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	222 - Oil/water separation sludge
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.2
Waste Quantity:	400
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported

CITY OF SAN MARCOS (Continued) **S112988309**

Additional Code 5:	Not reported
Shipment Date:	20110624
Creation Date:	8/26/2011 18:30:30
Receipt Date:	20110629
Manifest ID:	005734157JJK
Trans EPA ID:	CAR000201095
Trans Name:	PHOENIX ENVIRONMENTAL ENGINEERING & CONSTRUCTION INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD982444481
Trans Name:	FILTER RECYCLING SERVICES INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	222 - Oil/water separation sludge
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.3
Waste Quantity:	600
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20110624
Creation Date:	8/26/2011 18:30:30
Receipt Date:	20110629
Manifest ID:	005734157JJK
Trans EPA ID:	CAR000201095
Trans Name:	PHOENIX ENVIRONMENTAL ENGINEERING & CONSTRUCTION INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD982444481
Trans Name:	FILTER RECYCLING SERVICES INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	491 - Unspecified sludge waste
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.1225
Waste Quantity:	245
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20110624
Creation Date:	8/26/2011 18:30:30
Receipt Date:	20110629
Manifest ID:	005734157JJK
Trans EPA ID:	CAR000201095

CITY OF SAN MARCOS (Continued) **S112988309**

Trans Name:	PHOENIX ENVIRONMENTAL ENGINEERING & CONSTRUCTION INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD982444481
Trans Name:	FILTER RECYCLING SERVICES INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.8
Waste Quantity:	1600
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20110624
Creation Date:	8/26/2011 18:30:44
Receipt Date:	20110629
Manifest ID:	005734159JJK
Trans EPA ID:	CAR000201095
Trans Name:	PHOENIX ENVIRONMENTAL ENGINEERING & CONSTRUCTION INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008364432
Trans Name:	RHO-CHEM LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.363
Waste Quantity:	110
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20110624
Creation Date:	8/26/2011 18:30:44
Receipt Date:	20110629
Manifest ID:	005734159JJK
Trans EPA ID:	CAR000201095
Trans Name:	PHOENIX ENVIRONMENTAL ENGINEERING & CONSTRUCTION INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008364432
Trans Name:	RHO-CHEM LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported

CITY OF SAN MARCOS (Continued) **S112988309**

Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	D016
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.01
Waste Quantity:	20
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

HWTS:

Name:	CITY OF SAN MARCOS
Address:	1023 GRAND AVE
Address 2:	Not reported
City,State,Zip:	SAN MARCOS, CA 92078
EPA ID:	CAC002669308
Inactive Date:	12/14/2011
Create Date:	06/16/2011
Last Act Date:	Not reported
Mailing Name:	Not reported
Mailing Address:	1 CIVIC CENTER DR
Mailing Address 2:	Not reported
Mailing City,State,Zip:	SAN MARCOS, CA 92069
Owner Name:	CITY OF SAN MARCOS
Owner Address:	1 CIVIC CENTER DR
Owner Address 2:	Not reported
Owner City,State,Zip:	SAN MARCOS, CA 92069
Contact Name:	CARL BLAISDELL EXT 3240
Contact Address:	1 CIVIC CENTER DR
Contact Address 2:	Not reported
City,State,Zip:	SAN MARCOS, CA 92069
Facility Status:	Inactive
Facility Type:	TEMPORARY
Category:	STATE
Latitude:	33.140568
Longitude:	-117.187363

E46 **AUTO TUNE** **HAZNET S113041687**
931A GRAND AVE **HWTS N/A**
< 1/8 **SAN MARCOS, CA 92078**
1 ft.

Site 2 of 2 in cluster E

Relative: Higher
Actual: 547 ft.

HAZNET:

Name:	AUTO TUNE
Address:	931A GRAND AVE
Address 2:	Not reported
City,State,Zip:	SAN MARCOS, CA 920782601
Contact:	ALBERT CERDA JR
Telephone:	7607440303
Mailing Name:	Not reported
Mailing Address:	931A GRAND AVE
Year:	2004

AUTO TUNE (Continued) **S113041687**

Gepaid: CAL000048797
TSD EPA ID: CAT000613893
CA Waste Code: 134 - Aqueous solution with total organic residues less than 10 percent
Disposal Method: H01 - Transfer Station
Tons: 0.0378

Year: 2003
Gepaid: CAL000048797
TSD EPA ID: CAT000613893
CA Waste Code: 134 - Aqueous solution with total organic residues less than 10 percent
Disposal Method: H01 - Transfer Station
Tons: 0.0378

Year: 1996
Gepaid: CAL000048797
TSD EPA ID: CAD981696420
CA Waste Code: 134 - Aqueous solution with total organic residues less than 10 percent
Disposal Method: H01 - Transfer Station
Tons: 0.231

Year: 1995
Gepaid: CAL000048797
TSD EPA ID: CAD981696420
CA Waste Code: 134 - Aqueous solution with total organic residues less than 10 percent
Disposal Method: H01 - Transfer Station
Tons: 0.231

Additional Info:
Year: 2004
Gen EPA ID: CAL000048797

Shipment Date: 20040417
Creation Date: 10/14/2004 15:19:37
Receipt Date: 20040421
Manifest ID: 23462594
Trans EPA ID: TXR000050930
Trans Name: SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDF EPA ID: CAT000613893
Trans Name: SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID: CAT000613893
TSDF Alt Name: Not reported
Waste Code Description: 134 - Aqueous solution with <10% total organic residues
RCRA Code: D039
Meth Code: H01 - Transfer Station
Quantity Tons: 0.021
Waste Quantity: 5
Quantity Unit: G
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported

AUTO TUNE (Continued) **S113041687**

Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20040127
Creation Date:	8/19/2004 11:23:00
Receipt Date:	20040129
Manifest ID:	22572814
Trans EPA ID:	TXR000050930
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000613893
Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	CAT000613893
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	D039
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.0168
Waste Quantity:	4
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2003
Gen EPA ID:	CAL000048797
Shipment Date:	20031023
Creation Date:	8/3/2004 15:03:33
Receipt Date:	20031031
Manifest ID:	22520898
Trans EPA ID:	TXR000050930
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000613893
Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	CAT000613893
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	D039
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.0168
Waste Quantity:	4
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20030729
Creation Date:	7/23/2004 13:22:40

AUTO TUNE (Continued) **S113041687**

Receipt Date:	20030731
Manifest ID:	22879471
Trans EPA ID:	TXR000050930
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000613893
Trans Name:	Not reported
TSDF Alt EPA ID:	CAT000613893
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	D039
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.021
Waste Quantity:	5
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	1996
Gen EPA ID:	CAL000048797
Shipment Date:	19960530
Creation Date:	5/20/1997 0:00:00
Receipt Date:	19960530
Manifest ID:	95854477
Trans EPA ID:	CAL000027724
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD981696420
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	Not reported
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.231
Waste Quantity:	55
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	1995
Gen EPA ID:	CAL000048797
Shipment Date:	19950614
Creation Date:	10/24/1995 0:00:00

AUTO TUNE (Continued) **S113041687**

Receipt Date:	19950616
Manifest ID:	95288392
Trans EPA ID:	CAL000027724
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD981696420
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	Not reported
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.231
Waste Quantity:	55
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

HWTS:

Name:	AUTO TUNE
Address:	931A GRAND AVE
Address 2:	Not reported
City,State,Zip:	SAN MARCOS, CA 92078
EPA ID:	CAL000048797
Inactive Date:	06/30/2010
Create Date:	06/25/1991
Last Act Date:	Not reported
Mailing Name:	Not reported
Mailing Address:	931A GRAND AVE
Mailing Address 2:	Not reported
Mailing City,State,Zip:	SAN MARCOS, CA 920782601
Owner Name:	ALBERT CERDA JR
Owner Address:	931A GRAND AVE
Owner Address 2:	Not reported
Owner City,State,Zip:	SAN MARCOS, CA 920782601
Contact Name:	ALBERT CERDA JR
Contact Address:	931A GRAND AVE
Contact Address 2:	Not reported
City,State,Zip:	SAN MARCOS, CA 920782601
Facility Status:	Inactive
Facility Type:	PERMANENT
Category:	STATE
Latitude:	33.140343
Longitude:	-117.184579

NAICS:

EPA ID:	CAL000048797
Create Date:	2002-03-14 16:36:27.000
NAICS Code:	811111
NAICS Description:	General Automotive Repair
Issued EPA ID Date:	1991-06-25 00:00:00
Inactive Date:	2010-06-30 00:00:00
Facility Name:	AUTO TUNE

AUTO TUNE (Continued) **S113041687**

Facility Address: 931A GRAND AVE
Facility Address 2: Not reported
Facility City: SAN MARCOS
Facility County: Not reported
Facility State: CA
Facility Zip: 920782601

C47 **CONCRETE SPECIALTIES** **HAZNET S112908646**
1025 GRAND AVE **HWTS N/A**
< 1/8 **SAN MARCOS, CA 92069**
1 ft.

Site 23 of 27 in cluster C

Relative: Higher
Actual: 544 ft.

HAZNET:
Name: CONCRETE SPECIALTIES
Address: 1025 GRAND AVE
Address 2: Not reported
City,State,Zip: SAN MARCOS, CA 920690000
Contact: AMANDA/RECP/
Telephone: 7604715700
Mailing Name: Not reported
Mailing Address: 1025 GRAND AVE

Year: 2000
Gepaid: CAC002275625
TSD EPA ID: CAD028409019
CA Waste Code: 352 - Other organic solids
Disposal Method: H01 - Transfer Station
Tons: 0.3

Additional Info:
Year: 2000
Gen EPA ID: CAC002275625

Shipment Date: 20000214
Creation Date: 6/7/2000 0:00:00
Receipt Date: 20000317
Manifest ID: 99887463
Trans EPA ID: CAD982413262
Trans Name: Not reported
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDF EPA ID: CAD028409019
Trans Name: Not reported
TSDF Alt EPA ID: CAD028409019
TSDF Alt Name: Not reported
Waste Code Description: 352 - Other organic solids
RCRA Code: Not reported
Meth Code: H01 - Transfer Station
Quantity Tons: 0.3
Waste Quantity: 600
Quantity Unit: P
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported

CONCRETE SPECIALTIES (Continued) **S112908646**

Additional Code 4: Not reported
Additional Code 5: Not reported

HWTS:
Name: CONCRETE SPECIALTIES
Address: 1025 GRAND AVE
Address 2: Not reported
City,State,Zip: SAN MARCOS, CA 92069
EPA ID: CAC002275625
Inactive Date: 10/25/2000
Create Date: 02/14/2000
Last Act Date: Not reported
Mailing Name: Not reported
Mailing Address: 1025 GRAND AVE
Mailing Address 2: Not reported
Mailing City,State,Zip: SAN MARCOS, CA 920690000
Owner Name: CONCRETE SPECIALTIES
Owner Address: 1025 GRAND AVE
Owner Address 2: Not reported
Owner City,State,Zip: SAN MARCOS, CA 920690000
Contact Name: AMANDA/RECP/
Contact Address: 1025 GRAND AVE
Contact Address 2: Not reported
City,State,Zip: SAN MARCOS, CA 920690000
Facility Status: Inactive
Facility Type: TEMPORARY
Category: STATE
Latitude: 33.140248
Longitude: -117.184103

C48 **K & K TRANSMISSION** **HAZNET** **S113063620**
1031 GRAND AVE **HWTS** **N/A**
< 1/8 **SAN MARCOS, CA 92069**
1 ft.

Site 24 of 27 in cluster C

Relative: Higher
Actual: 544 ft.

HAZNET:
Name: K & K TRANSMISSION
Address: 1031 GRAND AVE
Address 2: Not reported
City,State,Zip: SAN MARCOS, CA 920690000
Contact: ANGIE KOONG
Telephone: --
Mailing Name: Not reported
Mailing Address: 1031 GRAND AVE

Year: 1996
Gepaid: CAL000111915
TSD EPA ID: CAT080013352
CA Waste Code: 223 - Unspecified oil-containing waste
Disposal Method: R01 - Recycler
Tons: 3.9615

Year: 1996
Gepaid: CAL000111915
TSD EPA ID: CAD008252405
CA Waste Code: 491 - Unspecified sludge waste

K & K TRANSMISSION (Continued) **S113063620**

Disposal Method:	R01 - Recycler
Tons:	0.1042
Year:	1996
Gepaid:	CAL000111915
TSD EPA ID:	CAT080022148
CA Waste Code:	223 - Unspecified oil-containing waste
Disposal Method:	H01 - Transfer Station
Tons:	0.25
Year:	1995
Gepaid:	CAL000111915
TSD EPA ID:	CAD000088252
CA Waste Code:	352 - Other organic solids
Disposal Method:	H01 - Transfer Station
Tons:	0.225

Additional Info:

Year:	1996
Gen EPA ID:	CAL000111915
Shipment Date:	19961031
Creation Date:	5/20/1997 0:00:00
Receipt Date:	19961101
Manifest ID:	96349415
Trans EPA ID:	CAL000827847
Trans Name:	Not reported
Trans 2 EPA ID:	CAD028277036
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008252405
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	491 - Unspecified sludge waste
RCRA Code:	Not reported
Meth Code:	R01 - Recycler
Quantity Tons:	0.1042
Waste Quantity:	25
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19961016
Creation Date:	5/20/1997 0:00:00
Receipt Date:	19961018
Manifest ID:	95228028
Trans EPA ID:	CAD982525024
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported

K & K TRANSMISSION (Continued) **S113063620**

TSDF Alt Name:	Not reported
Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	D001
Meth Code:	R01 - Recycler
Quantity Tons:	3.9615
Waste Quantity:	950
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19960201
Creation Date:	10/10/1996 0:00:00
Receipt Date:	19960205
Manifest ID:	93494263
Trans EPA ID:	CAD076548635
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080022148
Trans Name:	Not reported
TSDF Alt EPA ID:	CAT080022148
TSDF Alt Name:	Not reported
Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.25
Waste Quantity:	500
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	1995
Gen EPA ID:	CAL000111915
Shipment Date:	19950427
Creation Date:	10/24/1995 0:00:00
Receipt Date:	19950428
Manifest ID:	93494089
Trans EPA ID:	CAD981685886
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD000088252
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.225

K & K TRANSMISSION (Continued) **S113063620**

Waste Quantity:	450
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

HWTS:

Name:	K & K TRANSMISSION
Address:	1031 GRAND AVE
Address 2:	Not reported
City,State,Zip:	SAN MARCOS, CA 92069
EPA ID:	CAL000111915
Inactive Date:	06/01/1997
Create Date:	03/18/1994
Last Act Date:	Not reported
Mailing Name:	Not reported
Mailing Address:	1031 GRAND AVE
Mailing Address 2:	Not reported
Mailing City,State,Zip:	SAN MARCOS, CA 920690000
Owner Name:	LING KOONG
Owner Address:	Not reported
Owner Address 2:	Not reported
Owner City,State,Zip:	Not reported
Contact Name:	ANGIE KOONG
Contact Address:	1031 GRAND AVE
Contact Address 2:	Not reported
City,State,Zip:	SAN MARCOS, CA
Facility Status:	Inactive
Facility Type:	PERMANENT
Category:	STATE
Latitude:	33.140305
Longitude:	-117.184263

C49 **AMERICAN FENCE CO** **SAN DIEGO CO. SAM** **S104745932**
NW **1075 GRAND AV** **San Diego Co. HMMD** **N/A**
< 1/8 **SAN MARCOS, CA 92069** **Cortese**
0.014 mi. **NPDES**
74 ft. **Site 25 of 27 in cluster C** **SAN DIEGO CO LOP**
CERS

Relative:
Higher

Actual:
544 ft.

SAN DIEGO CO. SAM:

Name:	AMERICAN FENCE CO
Address:	1075 GRAND AV
City,State,Zip:	SAN MARCOS, CA 920692602
Case Number:	H04437-001
Agency:	DEH Site Assessment & Mitigation
Funding:	**LOP - Federal Fund**
Facility Type:	Drinking Water Aquifer Impacted
Facility Status:	Closed Case
Date:	6/25/1992
Date Began:	12/15/1988

HMMD SAN DIEGO:

Name:	AMERICAN FENCE CO
Address:	1075 GRAND AV

AMERICAN FENCE CO (Continued) **S104745932**

City,State,Zip:	SAN MARCOS, CA 92078
Permit Number:	200586
Business Type:	6HK70
EPA Id Number:	CAL000159312
APN:	219-152-37-00
Last HMMD Inspection:	07/12/2012
Facility Telephone:	760-744-4124
Permit Status:	OPEN
Permit Expiration:	08/31/2013
Date Last Updated:	11/02/2012
Facility Owner:	DAVID S VAN DENBURGH
Facility Mailing Address:	PO BOX 19040
Facility Mailing City:	PHOENIX
Facility Mailing State:	AZ
Facility Mailing Zip:	85005-9040
UST Owner:	Not reported
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Not reported
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

Inventory Active Permits (not SQG Medical):

Permit Number:	200586
Update Date:	11/02/2012
Case Number:	74-86-2
Name:	ACETYLENE GAS
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	FIRE
Hazardous Categories 2:	PRESSURE RELEASE

Permit Number:	200586
Update Date:	11/02/2012
Case Number:	124-38-9
Name:	CARBON DIOXIDE
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	PRESSURE RELEASE
Hazardous Categories 2:	CHRONIC

Permit Number:	200586
Update Date:	11/02/2012
Case Number:	7782-44-7
Name:	OXYGEN
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	FIRE
Hazardous Categories 2:	PRESSURE RELEASE

Permit Number:	200586
Update Date:	11/02/2012
Case Number:	74-98-6
Name:	PROPANE
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	FIRE

AMERICAN FENCE CO (Continued) **S104745932**

Hazardous Categories 2: PRESSURE RELEASE

Violations Active Permits:

Permit Number: 200586
Update Date: 11/02/2012
Inspection Date: 07/12/2012
Violation Code: 6HV1015
Violation: EMPLOYEE TRAINING NOT ADEQUATE
Violation Citation: Did not have adequate employee training program 2732 &/or 25504(c)
Activity: ACTIVE

Permit Number: 200586
Update Date: 11/02/2012
Inspection Date: 07/12/2012
Violation Code: 6HV1017
Violation: HMBP NOT CERTIFIED ANNUALLY
Violation Citation: Business Plan not certified annually. 25505(d) & (e)(2)
Activity: ACTIVE

Permit Number: 200586
Update Date: 11/02/2012
Inspection Date: 07/12/2012
Violation Code: 6HV0225
Violation: ACCUMULATED HW>180 OR >270 DAYS
Violation Citation: Accumulated waste too long (>180 or 270 days). 66262.34(d), CFR 262.34(e)&(f), &/or 25201(a) [>90 days for AHW waste]
Activity: ACTIVE

Name: AMERICAN FENCE CO
Address: 1075 GRAND AV
City,State,Zip: SAN MARCOS, CA 92078
Permit Number: 200586
Business Type: 6HK70
EPA Id Number: CAL000159312
APN: 219-152-37-00
Last HMMD Inspection: 07/12/2012
Facility Telephone: 760-744-4124
Permit Status: OPEN
Permit Expiration: 08/31/2013
Date Last Updated: 11/02/2012
Facility Owner: DAVID S VAN DENBURGH
Facility Mailing Address: PO BOX 19040
Facility Mailing City: PHOENIX
Facility Mailing State: AZ
Facility Mailing Zip: 85005-9040
UST Owner: Not reported
Handle Regulated Hazmat: Not reported
Own Or Operate UST: Not reported
Subject To APSA: Not reported
Generate Haz Waste: Not reported
Treat Haz Waste: Not reported
Generate Medical Waste: Not reported

Inventory Active Permits (not SQG Medical):

Permit Number: 200586
Update Date: 11/02/2012

AMERICAN FENCE CO (Continued) **S104745932**

Case Number: 74-86-2
Name: ACETYLENE GAS
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: PRESSURE RELEASE

Permit Number: 200586
Update Date: 11/02/2012
Case Number: 124-38-9
Name: CARBON DIOXIDE
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: PRESSURE RELEASE
Hazardous Categories 2: CHRONIC

Permit Number: 200586
Update Date: 11/02/2012
Case Number: 7782-44-7
Name: OXYGEN
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: PRESSURE RELEASE

Permit Number: 200586
Update Date: 11/02/2012
Case Number: 74-98-6
Name: PROPANE
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: PRESSURE RELEASE

Violations Active Permits:
Permit Number: 200586
Update Date: 11/02/2012
Inspection Date: 07/12/2012
Violation Code: 6HV1015
Violation: EMPLOYEE TRAINING NOT ADEQUATE
Violation Citation: Did not have adequate employee training program 2732 &/or 25504(c)
Activity: ACTIVE

Permit Number: 200586
Update Date: 11/02/2012
Inspection Date: 07/12/2012
Violation Code: 6HV1017
Violation: HMBP NOT CERTIFIED ANNUALLY
Violation Citation: Business Plan not certified annually. 25505(d) & (e)(2)
Activity: ACTIVE

Permit Number: 200586
Update Date: 11/02/2012
Inspection Date: 07/12/2012
Violation Code: 6HV0225
Violation: ACCUMULATED HW>180 OR >270 DAYS
Violation Citation: Accumulated waste too long (>180 or 270 days). 66262.34(d), CFR

AMERICAN FENCE CO (Continued) **S104745932**

262.34(e)&(f), &/or 25201(a) [>90 days for AHW waste]
Activity: ACTIVE

Name: AMERICAN FENCE CO
Address: 1075 GRAND AV
City,State,Zip: SAN MARCOS, CA 92069
Permit Number: 104437
Business Type: 6HK70
EPA Id Number: CAL000159312
APN: 219-152-37-00
Last HMMD Inspection: 09/03/2003
Facility Telephone: 760-744-4124
Permit Status: CHNG
Permit Expiration: 08/31/2003
Date Last Updated: 11/02/2012
Facility Owner: J P VAN DENBURGH
Facility Mailing Address: P O BOX 1899
Facility Mailing City: SAN MARCOS
Facility Mailing State: CA
Facility Mailing Zip: 92079-1899
UST Owner: J P VAN DENBURGH
Handle Regulated Hazmat: Y
Own Or Operate UST: Not reported
Subject To APSA: Not reported
Generate Haz Waste: Not reported
Treat Haz Waste: Not reported
Generate Medical Waste: Not reported

UST:
UST Name: UNDERGROUND TANK 104437 T001
Last Update: 2012-11-02 14:17:38
Permit Number: 104437
Tank Type: SINGLE WALL
Additional Id: 1
Capacity Gallons: 550
UST Contents: REGULAR UNLEADED
Other Content Info: REGULAR UNLEADED
Reg Status: REMOVED
Remove Close Date: 1988-12-15 00:00:00
Year Installed: 1982-01-01 00:00:00
Pipe Type: SINGLE WALL
Delivery System: SUCTION
Monitor Code: 07
UST Monitor Method: SW TANK SW PRESSURE PIPE W/RESTRICTIVE LLD W/DAILY RECONCILIATION OR WEEKLY GAUGING: TANK AND PIPE TEST ANNUALLY

CORTESE:
Name: AMERICAN FENCE CO
Address: 1075 GRAND AV
City,State,Zip: SAN MARCOS, CA 920692602
Region: CORTESE
Envirostor Id: Not reported
Global ID: T0607300116
Site/Facility Type: LUST CLEANUP SITE
Cleanup Status: COMPLETED - CASE CLOSED

AMERICAN FENCE CO (Continued) **S104745932**

Status Date:	Not reported
Site Code:	Not reported
Latitude:	Not reported
Longitude:	Not reported
Owner:	Not reported
Enf Type:	Not reported
Swat R:	Not reported
Flag:	active
Order No:	Not reported
Waste Discharge System No:	Not reported
Effective Date:	Not reported
Region 2:	Not reported
WID Id:	Not reported
Solid Waste Id No:	Not reported
Waste Management Uit Name:	Not reported
File Name:	Active Open

NPDES:

Name:	SAN MARCOS
Address:	1075 GRAND AVENUE
City,State,Zip:	SAN MARCOS, CA 92078
Facility Status:	Not reported
NPDES Number:	Not reported
Region:	Not reported
Agency Number:	Not reported
Regulatory Measure ID:	Not reported
Place ID:	Not reported
Order Number:	Not reported
WDID:	Not reported
Regulatory Measure Type:	Industrial
Program Type:	Not reported
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Discharge Address:	Not reported
Discharge Name:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
Status:	Returned
Status Date:	10/04/2021
Operator Name:	AMERICAN FENCE COMPANY
Operator Address:	2502 NORTH 27TH AVENUE
Operator City:	PHOENIX
Operator State:	Arizona
Operator Zip:	85009

SAN DIEGO CO LOP:

Name:	AMERICAN FENCE CO
Address:	1075 GRAND AVE
City,State,Zip:	SAN MARCOS, CA 92069
Record ID:	DEH1988-LSAM-H04437-001
Record Status:	Completed
Opened Date:	12/15/1988
Parcel Number:	219-152-37-00

AMERICAN FENCE CO (Continued) **S104745932**

Case Type:	LOP - Local Oversight Program
Historical Name:	AMERICAN FENCE CO
SWRCB Global ID:	T0607300116
Funding:	F - LOP Federal Fund
Lead Agency:	DEH/SAM
Lead Agency Date:	12/15/1988
Census Tract:	200.29
Community:	San Marcos
Jurisdiction:	SAN MARCOS
Watershed Basin Number:	904.52
Water Purveyor:	VALLECITOS WATER DISTRICT
Fire Agency:	SAN MARCOS FIRE PROT DIST
Latitude:	33.1410770
Longitude:	-117.1882743
X MapCoord:	6274478.184
Y MapCoord:	1996274.984

CERS:

Name:	AMERICAN FENCE CO
Address:	1075 GRAND AV
City,State,Zip:	SAN MARCOS, CA 920692602
Site ID:	207207
CERS ID:	T0607300116
CERS Description:	Leaking Underground Storage Tank Cleanup Site
Name:	BEMUS LANDSCAPE INC.
Address:	1075 GRAND AVE
City,State,Zip:	SAN MARCOS, CA 92078
Site ID:	595514
CERS ID:	10376017
CERS Description:	Chemical Storage Facilities

Violations:

Site ID:	595514
Site Name:	Bemus Landscape Inc.
Violation Date:	01-20-2022
Citation:	HSC 6.95 25505(a)(4) - California Health and Safety Code, Chapter 6.95, Section(s) 25505(a)(4)
Violation Description:	Failure to provide initial and annual training to all employees in safety procedures in the event of a release or threatened release of a hazardous material or failure to document and maintain training records for a minimum of three years.
Violation Notes:	Inspection Sequence ID:6811096
Violation Division:	San Diego County Department of Env Health
Violation Program:	HMRRP
Violation Source:	CERS,
Site ID:	595514
Site Name:	Bemus Landscape Inc.
Violation Date:	01-20-2022
Citation:	HSC 6.95 Multiple - California Health and Safety Code, Chapter 6.95, Section(s) Multiple
Violation Description:	Business Plan Program - Administration/Documentation - General
Violation Notes:	Inspection Sequence ID:6811096;Violation:HMD1001 Unified Program Facility permit not obtained for hazardous materials. SDCC 68.904; 68.905; 68.906, 68.907; 68.907.1
Violation Division:	San Diego County Department of Env Health

AMERICAN FENCE CO (Continued) **S104745932**

Violation Program: HMRRP
Violation Source: CERS,

Site ID: 595514
Site Name: Bemus Landscape Inc.
Violation Date: 01-20-2022
Citation: HSC 6.95 25507 - California Health and Safety Code, Chapter 6.95, Section(s) 25507
Violation Description: Failure to adequately establish and implement a business plan when storing/handling a hazardous material at or above reportable quantities.
Violation Notes: Inspection Sequence ID:6811096
Violation Division: San Diego County Department of Env Health
Violation Program: HMRRP
Violation Source: CERS,

Site ID: 595514
Site Name: Bemus Landscape Inc.
Violation Date: 07-07-2014
Citation: HSC 6.95 25505(a)(4) - California Health and Safety Code, Chapter 6.95, Section(s) 25505(a)(4)
Violation Description: Failure to provide initial and annual training to all employees in safety procedures in the event of a release or threatened release of a hazardous material or failure to document and maintain training records for a minimum of three years.
Violation Notes: Returned to compliance on 07/16/2014.
Violation Division: San Diego County Department of Env Health
Violation Program: HMRRP
Violation Source: CERS,

Site ID: 595514
Site Name: Bemus Landscape Inc.
Violation Date: 01-20-2022
Citation: HSC 6.95 25505(c) - California Health and Safety Code, Chapter 6.95, Section(s) 25505(c)
Violation Description: Failure to have a business plan readily available to personnel of the business or the unified program facility with responsibilities for emergency response or training.
Violation Notes: Inspection Sequence ID:6811096
Violation Division: San Diego County Department of Env Health
Violation Program: HMRRP
Violation Source: CERS,

Evaluation:
Eval General Type: Compliance Evaluation Inspection
Eval Date: 05-26-2016
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Inspector: Calcagno Leonardo Inspection ID:5468288
Eval Division: San Diego County Department of Env Health
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 07-07-2014
Violations Found: Yes
Eval Type: Routine done by local agency

AMERICAN FENCE CO (Continued) **S104745932**

Eval Notes:	Inspector: Beacon Ellen Inspection ID:5080292
Eval Division:	San Diego County Department of Env Health
Eval Program:	HMRRP
Eval Source:	CERS,
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	01-20-2022
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Inspector: Kieu Bridget Inspection ID:6811096
Eval Division:	San Diego County Department of Env Health
Eval Program:	HMRRP
Eval Source:	CERS,

Coordinates:

Site ID:	595514
Facility Name:	Bemus Landscape Inc.
Env Int Type Code:	HMBP
Program ID:	10376017
Coord Name:	Not reported
Ref Point Type Desc:	Center of a facility or station.,
Latitude:	33.141080
Longitude:	-117.188270

Affiliation:

Affiliation Type Desc:	CUPA District
Entity Name:	San Diego County Env Health Qlty
Entity Title:	Not reported
Affiliation Address:	PO Box 129261
Affiliation City:	San Diego
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92112-9261
Affiliation Phone:	(858) 505-6880,
Affiliation Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	Not reported
Affiliation Address:	P.O. Box 74268
Affiliation City:	San Clemente
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92673
Affiliation Phone:	,
Affiliation Type Desc:	Identification Signer
Entity Name:	Alejandro Rodriguez
Entity Title:	HR Manager & Safety
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,
Affiliation Type Desc:	Legal Owner

AMERICAN FENCE CO (Continued) **S104745932**

Entity Name:	Bemus Landscape Inc.
Entity Title:	Not reported
Affiliation Address:	P.O. Box 74268
Affiliation City:	San Clemente
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	92673
Affiliation Phone:	(888) 557-7910,
Affiliation Type Desc:	Environmental Contact
Entity Name:	Angela Taft
Entity Title:	Not reported
Affiliation Address:	P.O. Box 74268
Affiliation City:	San Clemente
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92673
Affiliation Phone:	,
Affiliation Type Desc:	Operator
Entity Name:	Bemus Landscape Inc.
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	(888) 557-7910,
Affiliation Type Desc:	Parent Corporation
Entity Name:	Bemus Landscape Inc.
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,

C50 **AMERICAN FENCE CO** **LUST** **S103621956**
NW **1075 GRAND AV** **HIST CORTESE** **N/A**
< 1/8 **SAN MARCOS, CA 92069**
0.014 mi.
74 ft. **Site 26 of 27 in cluster C**

Relative:
Higher

Actual:
544 ft.

LUST:

Name:	AMERICAN FENCE CO
Address:	1075 GRAND AV
City,State,Zip:	SAN MARCOS, CA 920692602
Lead Agency:	SAN DIEGO COUNTY LOP
Case Type:	LUST Cleanup Site
Geo Track:	http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0607300116
Global Id:	T0607300116
Latitude:	33.141127
Longitude:	-117.188301
Status:	Completed - Case Closed
Status Date:	06/25/1992

AMERICAN FENCE CO (Continued) **S103621956**

Case Worker: Not reported
RB Case Number: 9UT1109
Local Agency: Not reported
File Location: Local Agency
Local Case Number: H04437-001
Potential Media Affect: Aquifer used for drinking water supply
Potential Contaminants of Concern: Gasoline
Site History: Not reported

LUST:
Global Id: T0607300116
Action Type: Other
Date: 12/15/1988
Action: Leak Reported

Global Id: T0607300116
Action Type: ENFORCEMENT
Date: 06/15/1992
Action: Closure/No Further Action Letter

Global Id: T0607300116
Action Type: Other
Date: 12/15/1988
Action: Leak Began

Global Id: T0607300116
Action Type: Other
Date: 12/15/1988
Action: Leak Stopped

Global Id: T0607300116
Action Type: ENFORCEMENT
Date: 12/19/1988
Action: Notice of Responsibility

Global Id: T0607300116
Action Type: Other
Date: 12/15/1988
Action: Leak Discovery

LUST:
Global Id: T0607300116
Status: Open - Case Begin Date
Status Date: 12/15/1988

Global Id: T0607300116
Status: Completed - Case Closed
Status Date: 06/25/1992

HIST CORTESE:
edr_fname: AMERICAN FENCE COMPANY
edr_fadd1: 1075 GRAND
City,State,Zip: SAN MARCOS, CA 92069
Region: CORTESE
Facility County Code: 37
Reg By: LTNKA

AMERICAN FENCE CO (Continued) **S103621956**

Reg Id: 9UT1109

C51 **AMERICAN FENCE CO** **LUST** **S102423938**
NW **1075 GRAND AVE** **SWEEPS UST** **N/A**
< 1/8 **SAN MARCOS, CA 92069**
0.014 mi.
74 ft. **Site 27 of 27 in cluster C**

Relative:
Higher

Actual:
544 ft.

LUST REG 9:

Region:	9
Status:	Case Closed
Case Number:	9UT1109
Local Case:	H04437-001
Substance:	Gasoline
Qty Leaked:	Not reported
Abate Method:	Excavate and Dispose - remove contaminated soil and dispose in approved site
Local Agency:	San Diego
How Found:	Tank Closure
How Stopped:	Close Tank
Source:	Unknown
Cause:	Structure Failure
Lead Agency:	Local Agency
Case Type:	Other ground water affected
Date Found:	12/16/1988
Date Stopped:	12/16/1988
Confirm Date:	12/15/1988
Submit Workplan:	Not reported
Prelim Assess:	07/06/1989
Desc Pollution:	Not reported
Remed Plan:	/ /
Remed Action:	1/15/90
Began Monitor:	Not reported
Release Date:	12/16/1988
Enforce Date:	Not reported
Closed Date:	6/15/92
Enforce Type:	Not reported
Pilot Program:	LOP
Basin Number:	904.52
GW Depth:	4
Beneficial Use:	Municipal groundwater use
NPDES Number:	Not reported
Priority:	High priority
File Dispn:	File discarded, case closed
Interim Remedial Actions:	Yes
Cleanup and Abatement order Number:	Not reported
Waste Discharge Requirement Number:	Not reported

SWEEPS UST:

Name:	AMERICAN FENCE CO
Address:	1075 GRAND AVE
City:	SAN MARCOS
Status:	Not reported
Comp Number:	4437
Number:	Not reported
Board Of Equalization:	44-022041
Referral Date:	Not reported

AMERICAN FENCE CO (Continued) **S102423938**

Action Date:	Not reported
Created Date:	Not reported
Owner Tank Id:	Not reported
SWRCB Tank Id:	37-000-004437-000001
Tank Status:	Not reported
Capacity:	550
Active Date:	Not reported
Tank Use:	M.V. FUEL
STG:	PRODUCT
Content:	REG UNLEADED
Number Of Tanks:	1

Name:	AMERICAN FENCE CO
Address:	1075 GRAND AVE
City:	SAN MARCOS
Status:	Active
Comp Number:	4437
Number:	9
Board Of Equalization:	44-022041
Referral Date:	Not reported
Action Date:	06-26-92
Created Date:	02-29-88
Owner Tank Id:	Not reported
SWRCB Tank Id:	Not reported
Tank Status:	Not reported
Capacity:	Not reported
Active Date:	Not reported
Tank Use:	Not reported
STG:	Not reported
Content:	Not reported
Number Of Tanks:	Not reported

B52 **MISSION AUTO REPAIR** **San Diego Co. HMMD** **1000220043**
SW **1020 LINDA VISTA DR B** **DRYCLEANERS** **N/A**
< 1/8 **SAN MARCOS, CA 92078**
0.015 mi.
81 ft. **Site 6 of 16 in cluster B**

Relative: HMMD SAN DIEGO:
Lower

Name:	MISSION AUTO REPAIR
Address:	1020 LINDA VISTA DR B
City,State,Zip:	SAN MARCOS, CA 92078
Permit Number:	Not reported
Business Type:	Not reported
EPA Id Number:	CAL000375579
APN:	Not reported
Last HMMD Inspection:	Not reported
Facility Telephone:	760-744-8100
Permit Status:	Permit Renewed
Permit Expiration:	Not reported
Date Last Updated:	04/22/2022
Facility Owner:	Not reported
Facility Mailing Address:	1020B Linda Vista Dr, San Marcos, CA 92078
Facility Mailing City:	Not reported
Facility Mailing State:	Not reported
Facility Mailing Zip:	Not reported
UST Owner:	N
Handle Regulated Hazmat:	Not reported

MISSION AUTO REPAIR (Continued) **1000220043**

Own Or Operate UST: Not reported
Subject To APSA: Not reported
Generate Haz Waste: Y
Treat Haz Waste: N
Generate Medical Waste: Not reported

Inspection Violation:
Record ID: DEH2012-HUPFP-216710
Permit Status: Permit Renewed
Active Permit: Y
Facility Id Number: 37-000-216710
Program Element: Hazardous Materials Release Response Plans
Inspection Type: Routine
Inspection Number: 5873826
Return To Compliance Date: 2018-01-25T00:00:00.000
Nov: No
Violation Classification: Class II
Underground Storage Tank Id: Not reported
Container/Tank Id: Not reported
Last Update: 2022-04-22T00:00:00.000
Inspection Date: 2018-01-25T14:33:50.000
Violation Code: 1010008 HMBP not certified annually as complete and accurate in CERS. HSC 25508(a)(1)(A), 25508.2, 19 CCR 2654(b)

Record ID: DEH2012-HUPFP-216710
Permit Status: Permit Renewed
Active Permit: Y
Facility Id Number: 37-000-216710
Program Element: Hazardous Waste Generator
Inspection Type: Routine
Inspection Number: 5416013
Return To Compliance Date: 2016-04-14T00:00:00.000
Nov: No
Violation Classification: Minor
Underground Storage Tank Id: Not reported
Container/Tank Id: Not reported
Last Update: 2022-04-22T00:00:00.000
Inspection Date: 2016-03-23T11:24:00.000
Violation Code: 3020001 Failed to ensure employees are trained for hazardous waste handling, compliance with regulations, and emergency response procedures. (40 CFR 262.34(d)(5)(iii).) 22 CCR 66262.34(d)(2)

Record ID: DEH2012-HUPFP-216710
Permit Status: Permit Renewed
Active Permit: Y
Facility Id Number: 37-000-216710
Program Element: Hazardous Materials Release Response Plans
Inspection Type: Routine
Inspection Number: 5416013
Return To Compliance Date: 2016-03-23T00:00:00.000
Nov: No
Violation Classification: Class II
Underground Storage Tank Id: Not reported
Container/Tank Id: Not reported
Last Update: 2022-04-22T00:00:00.000
Inspection Date: 2016-03-23T11:24:00.000
Violation Code: 1010004 Chemical inventory incomplete or not submitted in CERS. HSC 25505(a)(1); 25506; 25507; and 25508(a)(1)(A)

MISSION AUTO REPAIR (Continued) **1000220043**

Record ID:	DEH2012-HUPFP-216710
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-216710
Program Element:	Hazardous Materials Release Response Plans
Inspection Type:	Routine
Inspection Number:	5416013
Return To Compliance Date:	2016-04-14T00:00:00.000
Nov:	No
Violation Classification:	Class II
Underground Storage Tank Id:	Not reported
Container/Tank Id:	Not reported
Last Update:	2022-04-22T00:00:00.000
Inspection Date:	2016-03-23T11:24:00.000
Violation Code:	1020002 Initial and/or annual employee training not conducted for hazardous materials management and/or employee training records not available or not maintained for 3 years. HSC 25505(a)(4)

Record ID:	DEH2012-HUPFP-216710
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-216710
Program Element:	Hazardous Materials Release Response Plans
Inspection Type:	Routine
Inspection Number:	6367512
Return To Compliance Date:	2020-03-17T00:00:00.000
Nov:	No
Violation Classification:	Class II
Underground Storage Tank Id:	Not reported
Container/Tank Id:	Not reported
Last Update:	2022-04-22T00:00:00.000
Inspection Date:	2020-02-20T00:00:00.000
Violation Code:	1020002 Initial &/or annual employee training not conducted in safety procedures for a hazardous material release or threatened release &/or employee training records not available or not maintained for 3 years. HSC 25505(a)(4); 19 CCR 2659(b)

Record ID:	DEH2012-HUPFP-216710
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-216710
Program Element:	Hazardous Materials Release Response Plans
Inspection Type:	Routine
Inspection Number:	5873826
Return To Compliance Date:	2018-01-25T00:00:00.000
Nov:	No
Violation Classification:	Class II
Underground Storage Tank Id:	Not reported
Container/Tank Id:	Not reported
Last Update:	2022-04-22T00:00:00.000
Inspection Date:	2018-01-25T14:33:50.000
Violation Code:	1010004 Chemical inventory incomplete or not submitted in CERS. HSC 25505(a)(1); 25507(a); 25508.1(a-b); 19 CCR 2654 (a) or (d)

Record ID:	DEH2012-HUPFP-216710
Permit Status:	Permit Renewed
Active Permit:	Y

MISSION AUTO REPAIR (Continued) **1000220043**

Facility Id Number:	37-000-216710
Program Element:	Hazardous Materials Release Response Plans
Inspection Type:	Routine
Inspection Number:	6367512
Return To Compliance Date:	2020-02-20T00:00:00.000
Nov:	No
Violation Classification:	Class II
Underground Storage Tank Id:	Not reported
Container/Tank Id:	Not reported
Last Update:	2022-04-22T00:00:00.000
Inspection Date:	2020-02-20T00:00:00.000
Violation Code:	1010008 HMBP not certified annually as complete and accurate in CERS. HSC 25508(a)(1)(A), 25508.2, 19 CCR 2654(b)

Waste and Materials:

Record ID:	DEH2012-HUPFP-216710
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2018-HCHEM-0199246
Trade Secret:	N
Hazardous Material Type:	Mixture
Last Updated:	2020-02-21T02:04:33.000
Chemical Name:	Lubricating Oil
Common Name:	Lubricating Oil
Case Number:	Not reported

Record ID:	DEH2012-HUPFP-216710
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2018-HWAST-0171852
Trade Secret:	N
Hazardous Material Type:	Not reported
Last Updated:	2020-02-21T02:04:33.000
Chemical Name:	WASTE 221 WASTE OIL & MIXED OIL
Common Name:	WASTE 221 WASTE OIL & MIXED OIL
Case Number:	Not reported

Record ID:	DEH2012-HUPFP-216710
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2020-HWAST-0221430
Trade Secret:	N
Hazardous Material Type:	Not reported
Last Updated:	2022-04-22T02:32:01.000
Chemical Name:	WASTE 221 WASTE OIL & MIXED OIL
Common Name:	WASTE 221 WASTE OIL & MIXED OIL
Case Number:	Not reported

Record ID:	DEH2012-HUPFP-216710
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2020-HWAST-0221431
Trade Secret:	N
Hazardous Material Type:	Not reported
Last Updated:	2022-04-22T02:32:01.000
Chemical Name:	WASTE 342 ORGANIC LIQUIDS W/METALS
Common Name:	ANTIFREEZE

MISSION AUTO REPAIR (Continued) **1000220043**

Case Number: Not reported

Record ID: DEH2012-HUPFP-216710
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2016-HWAST-0078200
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2017-04-18T02:35:19.000
Chemical Name: WASTE 221 WASTE OIL & MIXED OIL
Common Name: WASTE 221 WASTE OIL & MIXED OIL
Case Number: Not reported

Record ID: DEH2012-HUPFP-216710
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2016-HWAST-0078201
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2017-04-18T02:35:19.000
Chemical Name: WASTE 342 ORGANIC LIQUIDS W/METALS
Common Name: ANTIFREEZE
Case Number: Not reported

Record ID: DEH2012-HUPFP-216710
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2016-HWAST-0078202
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2017-04-18T02:35:19.000
Chemical Name: Parts Washer
Common Name: Parts Washer
Case Number: Not reported

Record ID: DEH2012-HUPFP-216710
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0167772
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2018-04-20T02:33:14.000
Chemical Name: Lubricating Oil
Common Name: Lubricating Oil
Case Number: Not reported

Record ID: DEH2012-HUPFP-216710
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HWAST-0142300
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2018-04-20T02:33:14.000
Chemical Name: WASTE 221 WASTE OIL & MIXED OIL
Common Name: WASTE 221 WASTE OIL & MIXED OIL
Case Number: Not reported

MISSION AUTO REPAIR (Continued) **1000220043**

Record ID: DEH2012-HUPFP-216710
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HWAST-0142301
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2018-04-20T02:33:14.000
Chemical Name: WASTE 342 ORGANIC LIQUIDS W/METALS
Common Name: ANTIFREEZE
Case Number: Not reported

Record ID: DEH2012-HUPFP-216710
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HWAST-0142302
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2018-04-20T02:33:14.000
Chemical Name: Parts Washer
Common Name: Parts Washer
Case Number: Not reported

Record ID: DEH2012-HUPFP-216710
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HWAST-0171853
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2020-02-21T02:04:33.000
Chemical Name: WASTE 342 ORGANIC LIQUIDS W/METALS
Common Name: ANTIFREEZE
Case Number: Not reported

Record ID: DEH2012-HUPFP-216710
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HWAST-0171854
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2020-02-21T02:04:33.000
Chemical Name: Parts Washer
Common Name: Parts Washer
Case Number: Not reported

Record ID: DEH2012-HUPFP-216710
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HCHEM-0250268
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2022-04-22T02:32:01.000
Chemical Name: Lubricating Oil
Common Name: Lubricating Oil
Case Number: Not reported

Record ID: DEH2012-HUPFP-216710
Permit Status: Permit Renewed

MISSION AUTO REPAIR (Continued) **1000220043**

Active Permit: Y
Child Record Id: DEH2020-HWAST-0221432
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2022-04-22T02:32:01.000
Chemical Name: Parts Washer
Common Name: Parts Washer
Case Number: Not reported

Record ID: DEH2012-HUPFP-216710
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HWAST-0221433
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2022-04-22T02:32:01.000
Chemical Name: non-rcra hazardous waste used metal filters (not drained)
Common Name: used metal filters (not drained)
Case Number: Not reported

Name: MISSION AUTO REPAIR
Address: 1020 LINDA VISTA DR
City,State,Zip: SAN MARCOS, CA 92078
Permit Number: 216710
Business Type: 6HK26
EPA Id Number: CAL000375579
APN: 219-152-27-00
Last HMMD Inspection: 07/06/2012
Facility Telephone: 760-744-8100
Permit Status: OPEN
Permit Expiration: 05/31/2013
Date Last Updated: 11/02/2012
Facility Owner: MISSION AUTO REPAIR
Facility Mailing Address: 1020 LINDA VISTA DR #B
Facility Mailing City: San Marcos
Facility Mailing State: CA
Facility Mailing Zip: 92078
UST Owner: Not reported
Handle Regulated Hazmat: Y
Own Or Operate UST: Not reported
Subject To APSA: Not reported
Generate Haz Waste: Y
Treat Haz Waste: Not reported
Generate Medical Waste: Not reported

Inventory Active Permits (not SQG Medical):
Permit Number: 216710
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 221 WASTE OIL & MIXED OIL
Other Information: Not reported
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 216710
Update Date: 11/02/2012

MISSION AUTO REPAIR (Continued) **1000220043**

Case Number: Not reported
Name: WASTE 342 ORGANIC LIQUIDS W/METALS
Other Information: ANRIFREEZE
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 216710
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 444 USED BATTERIES
Other Information: USED LEAD ACID BATTERIES
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 216710
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 888 USED OIL FILTERS
Other Information: Not reported
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Violations Active Permits:
Permit Number: 216710
Update Date: 11/02/2012
Inspection Date: 07/06/2012
Violation Code: 6HV1002
Violation: HMBP NOT ESTABISHED/IMPLEMENTED.
Violation Citation: Hazardous materials handler has not established/implemented a business plan. HSC 25503.5(a)
Activity: ACTIVE

DRYCLEANERS:
Name: WESTERN SIGN SYSTEMS
Address: 1020 LINDA VISTA DR
City,State,Zip: SAN MARCOS, CA 920782656
EPA Id: CAL000223784
NAICS Code: 81232
NAICS Description: Drycleaning and Laundry Services (except Coin-Operated)
SIC Code: 7211
SIC Description: Power Laundries, Family and Commercial
Create Date: 10/03/2001
Facility Active: No
Inactive Date: 06/30/2013
Facility Addr2: Not reported
Owner Name: WESTERN SIGN SYSTEMS
Owner Address: 1020 LINDA VISTA DR
Owner Address 2: Not reported
Owner Telephone: 7607366070
Contact Name: RICHARD DELGATTO/GEN MGR
Contact Address: 1020 LINDA VISTA DR
Contact Address 2: Not reported

MISSION AUTO REPAIR (Continued) **1000220043**

Contact Telephone:	7607366070
Contact Fax:	7607367063
Mailing Name:	Not reported
Mailing Address 1:	261 S PACIFIC ST
Mailing Address 2:	Not reported
Mailing City:	SAN MARCOS
Mailing State:	CA
Mailing Zip:	920782429
Owner Fax:	7607366073
Region Code:	4
Latitude:	33.139039
Longitude:	-117.187004

B53 **MISSION AUTO REPAIR** **RCRA NonGen / NLR** **1024834685**
SW **1020B LINDA VISTA DR** **CAL000375579**
< 1/8 **SAN MARCOS, CA 92078**
0.015 mi.
81 ft. **Site 7 of 16 in cluster B**

Relative: RCRA Listings:
Lower

Actual:
540 ft.

Date Form Received by Agency:		20120621
Handler Name:	MISSION AUTO REPAIR	
Handler Address:		1020B LINDA VISTA DR
Handler City,State,Zip:		SAN MARCOS, CA 92078-2656
EPA ID:		CAL000375579
Contact Name:		JOHN HARGROVE JR
Contact Address:		1020B LINDA VISTA DR
Contact City,State,Zip:		SAN MARCOS, CA 92078
Contact Telephone:		760-744-8100
Contact Fax:		760-744-2374
Contact Email:		SCOOTEE2@GMAIL.COM
Contact Title:		Not reported
EPA Region:		09
Land Type:		Not reported
Federal Waste Generator Description:		Not a generator, verified
Non-Notifier:		Not reported
Biennial Report Cycle:		Not reported
Accessibility:		Not reported
Active Site Indicator:		Handler Activities
State District Owner:		Not reported
State District:		Not reported
Mailing Address:		1020-B LINDA VISTA DRIVE
Mailing City,State,Zip:		SAN MARCOS, CA 92078-2656
Owner Name:	JOHN R HARGROVE JR	
Owner Type:		Other
Operator Name:	JOHN HARGROVE JR	
Operator Type:		Other
Short-Term Generator Activity:		No
Importer Activity:		No
Mixed Waste Generator:		No
Transporter Activity:		No
Transfer Facility Activity:		No
Recycler Activity with Storage:		No
Small Quantity On-Site Burner Exemption:		No
Smelting Melting and Refining Furnace Exemption:		No
Underground Injection Control:		No
Off-Site Waste Receipt:		No
Universal Waste Indicator:		Yes

MISSION AUTO REPAIR (Continued) **1024834685**

Universal Waste Destination Facility:	Yes
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20180906
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Operator
Owner/Operator Name: JOHN HARGROVE JR	
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	1020B LINDA VISTA DR
Owner/Operator City,State,Zip:	SAN MARCOS, CA 92078
Owner/Operator Telephone:	760-744-8100
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported

MISSION AUTO REPAIR (Continued) **1024834685**

Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner
Owner/Operator Name: JOHN R HARGROVE JR
Legal Status: Other
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: 1020B LINDA VISTA DR
Owner/Operator City,State,Zip: SAN MARCOS, CA 92078-2656
Owner/Operator Telephone: 760-744-8100
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:
Receive Date: 20120621
Handler Name: MISSION AUTO REPAIR
Federal Waste Generator Description: Not a generator, verified
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Code: 811111
NAICS Description: GENERAL AUTOMOTIVE REPAIR

NAICS Code: 811118
NAICS Description: OTHER AUTOMOTIVE MECHANICAL AND ELECTRICAL REPAIR AND MAINTENANCE

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

B54 **PROGRESS METAL FABRICATION** **San Diego Co. HMMD** **S106072437**
SW **1020 LINDA VISTA DR** **CERS HAZ WASTE** **N/A**
< 1/8 **SAN MARCOS, CA 92078** **CERS**
0.015 mi. **HWTS**
81 ft. **Site 8 of 16 in cluster B**

Relative: **Lower**
Actual: **540 ft.**

HMMD SAN DIEGO:
Name: PROGRESS METAL FABRICATION
Address: 1020 LINDA VISTA DR
City,State,Zip: SAN MARCOS, CA 92078
Permit Number: 202506
Business Type: 6HK35
EPA Id Number: Not reported
APN: 219-152-27-00

PROGRESS METAL FABRICATION (Continued) **S106072437**

Last HMMD Inspection:	10/03/2003
Facility Telephone:	760-591-9258
Permit Status:	INAC
Permit Expiration:	03/31/2004
Date Last Updated:	11/02/2012
Facility Owner:	PROGRESSIVE METAL FABRICATION INC
Facility Mailing Address:	1504 SAN MATEO ST
Facility Mailing City:	OCEANSIDE
Facility Mailing State:	CA
Facility Mailing Zip:	92054
UST Owner:	Not reported
Handle Regulated Hazmat:	Y
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Y
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

Violations Inactive Permits:

Permit Number:	202506
Update Date:	11/02/2012
Inspection Date:	10/03/2003
Violation Code:	6HV1001
Violation:	NO UPF PERMIT FOR HAZMATS
Violation Citation:	A Unified Program Facility permit has not been obtained for hazardous materials. 68.905
Activity:	Inactive Permit

Permit Number:	202506
Update Date:	11/02/2012
Inspection Date:	10/03/2003
Violation Code:	6HV1002
Violation:	HMBP NOT ESTABISHED/IMPLEMENTED.
Violation Citation:	Hazardous materials handler has not established/implemented a business plan. HSC 25503.5(a)
Activity:	Inactive Permit

Permit Number:	202506
Update Date:	11/02/2012
Inspection Date:	10/03/2003
Violation Code:	6HV0401
Violation:	TRAINING RECORDS UNAVAILABLE
Violation Citation:	Personnel training records are not maintained to document compliance with requirements for current and former employees. CCR 66265.16(d)&(e)
Activity:	Inactive Permit

Permit Number:	202506
Update Date:	11/02/2012
Inspection Date:	10/03/2003
Violation Code:	6HV0402
Violation:	TRAINING PROGRAM NOT ADEQUATE
Violation Citation:	Personnel training is not adequate to ensure compliance with hazardous waste regulations. CCR 66265.16(a)&(b)
Activity:	Inactive Permit

PROGRESS METAL FABRICATION (Continued) **S106072437**

CERS HAZ WASTE:
Name: MISSION AUTO REPAIR
Address: 1020B LINDA VISTA DR
City,State,Zip: SAN MARCOS, CA 92078
Site ID: 49386
CERS ID: 10376680
CERS Description: Hazardous Waste Generator

CERS:
Name: MISSION AUTO REPAIR
Address: 1020B LINDA VISTA DR
City,State,Zip: SAN MARCOS, CA 92078
Site ID: 49386
CERS ID: 10376680
CERS Description: Chemical Storage Facilities

Violations:
Site ID: 49386
Site Name: MISSION AUTO REPAIR
Violation Date: 01-25-2018
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description: Failure to annually review and electronically certify that the business plan is complete and accurate on or before the annual due date.
Violation Notes: Returned to compliance on 01/25/2018.
Violation Division: San Diego County Department of Env Health
Violation Program: HMRRP
Violation Source: CERS,

Site ID: 49386
Site Name: MISSION AUTO REPAIR
Violation Date: 02-20-2020
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description: Failure to annually review and electronically certify that the business plan is complete and accurate on or before the annual due date.
Violation Notes: Returned to compliance on 02/20/2020. Inspection Sequence ID:6367512
Violation Division: San Diego County Department of Env Health
Violation Program: HMRRP
Violation Source: CERS,

Site ID: 49386
Site Name: MISSION AUTO REPAIR
Violation Date: 02-20-2020
Citation: HSC 6.95 25505(a)(4) - California Health and Safety Code, Chapter 6.95, Section(s) 25505(a)(4)
Violation Description: Failure to provide initial and annual training to all employees in safety procedures in the event of a release or threatened release of a hazardous material or failure to document and maintain training records for a minimum of three years.
Violation Notes: Returned to compliance on 03/17/2020. Inspection Sequence ID:6367512
Violation Division: San Diego County Department of Env Health
Violation Program: HMRRP
Violation Source: CERS,

PROGRESS METAL FABRICATION (Continued) **S106072437**

Site ID: 49386
Site Name: MISSION AUTO REPAIR
Violation Date: 03-23-2016
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description: Failure to complete and electronically submit hazardous material inventory information for all reportable hazardous materials on site at or above reportable quantities.
Violation Notes: Returned to compliance on 03/23/2016.
Violation Division: San Diego County Department of Env Health
Violation Program: HMRRP
Violation Source: CERS,

Site ID: 49386
Site Name: MISSION AUTO REPAIR
Violation Date: 01-25-2018
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description: Failure to complete and electronically submit hazardous material inventory information for all reportable hazardous materials on site at or above reportable quantities.
Violation Notes: Returned to compliance on 01/25/2018.
Violation Division: San Diego County Department of Env Health
Violation Program: HMRRP
Violation Source: CERS,

Site ID: 49386
Site Name: MISSION AUTO REPAIR
Violation Date: 03-23-2016
Citation: HSC 6.95 25505(a)(4) - California Health and Safety Code, Chapter 6.95, Section(s) 25505(a)(4)
Violation Description: Failure to provide initial and annual training to all employees in safety procedures in the event of a release or threatened release of a hazardous material or failure to document and maintain training records for a minimum of three years.
Violation Notes: Returned to compliance on 04/14/2016.
Violation Division: San Diego County Department of Env Health
Violation Program: HMRRP
Violation Source: CERS,

Evaluation:
Eval General Type: Compliance Evaluation Inspection
Eval Date: 03-23-2016
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Inspector: Calcagno Leonardo Inspection ID:5416013
Eval Division: San Diego County Department of Env Health
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 02-20-2020
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Inspector: Valdez Kevin Inspection ID:6367512
Eval Division: San Diego County Department of Env Health
Eval Program: HMRRP

PROGRESS METAL FABRICATION (Continued) **S106072437**

Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-25-2018
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Inspector: Calcagno Leonardo Inspection ID:5873826
Eval Division: San Diego County Department of Env Health
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 02-20-2020
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Inspector: Valdez Kevin Inspection ID:6367512
Eval Division: San Diego County Department of Env Health
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 03-23-2016
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Inspector: Calcagno Leonardo Inspection ID:5416013
Eval Division: San Diego County Department of Env Health
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-25-2018
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Inspector: Calcagno Leonardo Inspection ID:5873826
Eval Division: San Diego County Department of Env Health
Eval Program: HMRRP
Eval Source: CERS,

Affiliation:
Affiliation Type Desc: CUPA District
Entity Name: San Diego County Env Health Qlty
Entity Title: Not reported
Affiliation Address: PO Box 129261
Affiliation City: San Diego
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 92112-9261
Affiliation Phone: (858) 505-6880,

Affiliation Type Desc: Environmental Contact
Entity Name: SUSAN HARGROVE
Entity Title: Not reported
Affiliation Address: 1020B Linda Vista Dr
Affiliation City: San Marcos
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 92078

PROGRESS METAL FABRICATION (Continued) **S106072437**

Affiliation Phone: ,

Affiliation Type Desc: Identification Signer
Entity Name: Susan Hargrove
Entity Title: Office Manager
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Affiliation Type Desc: Legal Owner
Entity Name: JOHN R HARGROVE JR
Entity Title: Not reported
Affiliation Address: 1020B Linda Vista Dr
Affiliation City: San Marcos
Affiliation State: CA
Affiliation Country: United States
Affiliation Zip: 92078
Affiliation Phone: (760) 744-8100,

Affiliation Type Desc: Parent Corporation
Entity Name: Mission Auto Repair
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Affiliation Type Desc: Facility Mailing Address
Entity Name: Mailing Address
Entity Title: Not reported
Affiliation Address: 1020B Linda Vista Dr
Affiliation City: San Marcos
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 92078
Affiliation Phone: ,

Affiliation Type Desc: Operator
Entity Name: JOHN R HARGROVE JR
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: (760) 744-8100,

HWTS:
Name: MISSION AUTO REPAIR
Address: 1020B LINDA VISTA DR
Address 2: Not reported

PROGRESS METAL FABRICATION (Continued) **S106072437**

City,State,Zip: SAN MARCOS, CA 92078
EPA ID: CAL000375579
Inactive Date: Not reported
Create Date: 06/21/2012
Last Act Date: Not reported
Mailing Name: Not reported
Mailing Address: 1020-B LINDA VISTA DRIVE
Mailing Address 2: Not reported
Mailing City,State,Zip: SAN MARCOS, CA 920782612
Owner Name: JOHN R HARGROVE JR
Owner Address: 1020B LINDA VISTA DR
Owner Address 2: Not reported
Owner City,State,Zip: SAN MARCOS, CA 920782612
Contact Name: JOHN HARGROVE JR
Contact Address: 1020B LINDA VISTA DR
Contact Address 2: Not reported
City,State,Zip: SAN MARCOS, CA 92078
Facility Status: Active
Facility Type: PERMANENT
Category: STATE
Latitude: 33.13908478
Longitude: -117.1871163

NAICS:
EPA ID: CAL000375579
Create Date: 2012-06-21 11:55:17.243
NAICS Code: 811111
NAICS Description: General Automotive Repair
Issued EPA ID Date: 2012-06-21 11:55:17.22700
Inactive Date: Not reported
Facility Name: MISSION AUTO REPAIR
Facility Address: 1020B LINDA VISTA DR
Facility Address 2: Not reported
Facility City: SAN MARCOS
Facility County: Not reported
Facility State: CA
Facility Zip: 920782656

EPA ID: CAL000375579
Create Date: 2013-04-02 07:48:29.000
NAICS Code: 811118
NAICS Description: Other Automotive Mechanical and Electrical Repair and Maintenance
Issued EPA ID Date: 2012-06-21 11:55:17.22700
Inactive Date: Not reported
Facility Name: MISSION AUTO REPAIR
Facility Address: 1020B LINDA VISTA DR
Facility Address 2: Not reported
Facility City: SAN MARCOS
Facility County: Not reported
Facility State: CA
Facility Zip: 920782656

B55 **HUES METAL FINISHING INC.** **ENVIROSTOR** **1001613135**
South **977 LINDA VISTA DR** **San Diego Co. HMMD** **N/A**
< 1/8 **SAN MARCOS, CA 92069** **CERS HAZ WASTE**
0.020 mi. **EMI**
103 ft. **Site 9 of 16 in cluster B** **NPDES**
CIWQS
Relative: **CERS**
Higher **HWTS**

Actual:
544 ft.

ENVIROSTOR:

Name:	HUES METAL FINISHING, INC.
Address:	977 LINDA VISTA DRIVE
City,State,Zip:	SAN MARCOS, CA 92069
Facility ID:	71002362
Status:	Inactive - Needs Evaluation
Status Date:	Not reported
Site Code:	Not reported
Site Type:	Tiered Permit
Site Type Detailed:	Tiered Permit
Acres:	Not reported
NPL:	NO
Regulatory Agencies:	NONE SPECIFIED
Lead Agency:	NONE SPECIFIED
Program Manager:	Not reported
Supervisor:	Not reported
Division Branch:	Cleanup Cypress
Assembly:	75
Senate:	38
Special Program:	Not reported
Restricted Use:	NO
Site Mgmt Req:	NONE SPECIFIED
Funding:	Not reported
Latitude:	33.13897
Longitude:	-117.1856
APN:	NONE SPECIFIED
Past Use:	NONE SPECIFIED
Potential COC:	NONE SPECIFIED
Confirmed COC:	NONE SPECIFIED
Potential Description:	NONE SPECIFIED
Alias Name:	CAD039769583
Alias Type:	EPA Identification Number
Alias Name:	71002362
Alias Type:	Envirostor ID Number

Completed Info:

Completed Area Name:	Not reported
Completed Sub Area Name:	Not reported
Completed Document Type:	Not reported
Completed Date:	Not reported
Comments:	Not reported
Future Area Name:	Not reported
Future Sub Area Name:	Not reported
Future Document Type:	Not reported
Future Due Date:	Not reported
Schedule Area Name:	Not reported
Schedule Sub Area Name:	Not reported
Schedule Document Type:	Not reported
Schedule Due Date:	Not reported
Schedule Revised Date:	Not reported

HUES METAL FINISHING INC. (Continued) **1001613135**

HMMD SAN DIEGO:

Name:	RMP METAL FINISHING
Address:	977 LINDA VISTA DR
City,State,Zip:	SAN MARCOS, CA 92069
Permit Number:	Not reported
Business Type:	Not reported
EPA Id Number:	CAL000408875
APN:	Not reported
Last HMMD Inspection:	Not reported
Facility Telephone:	7607445566
Permit Status:	Permit Renewed
Permit Expiration:	Not reported
Date Last Updated:	09/24/2021
Facility Owner:	Not reported
Facility Mailing Address:	977 LINDA VISTA DR, SAN MARCOS, CA 92069
Facility Mailing City:	Not reported
Facility Mailing State:	Not reported
Facility Mailing Zip:	Not reported
UST Owner:	N
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Y
Treat Haz Waste:	N
Generate Medical Waste:	Not reported

Inspection Violation:

Record ID:	DEH2002-HUPFP-108597
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-108597
Program Element:	Hazardous Materials Release Response Plans
Inspection Type:	Routine
Inspection Number:	5699598
Return To Compliance Date:	2017-09-26T00:00:00.000
Nov:	No
Violation Classification:	Minor
Underground Storage Tank Id:	Not reported
Container/Tank Id:	Not reported
Last Update:	2021-09-24T00:00:00.000
Inspection Date:	2017-04-14T16:19:00.000
Violation Code:	1010008 HMBP not certified annually as complete and accurate in CERS. HSC 25508.2

Record ID:	DEH2002-HUPFP-108597
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-108597
Program Element:	Hazardous Materials Release Response Plans
Inspection Type:	Routine
Inspection Number:	6146000
Return To Compliance Date:	2019-05-24T00:00:00.000
Nov:	No
Violation Classification:	Class II
Underground Storage Tank Id:	Not reported
Container/Tank Id:	Not reported
Last Update:	2021-09-24T00:00:00.000

HUES METAL FINISHING INC. (Continued) **1001613135**

Inspection Date: 2019-05-24T00:00:00.000
Violation Code: 1010008 HMBP not certified annually as complete and accurate in CERS. HSC 25508(a)(1)(A), 25508.2, 19 CCR 2654(b)

Record ID: DEH2002-HUPFP-108597
Permit Status: Permit Renewed
Active Permit: Y
Facility Id Number: 37-000-108597
Program Element: Hazardous Waste Generator
Inspection Type: Routine
Inspection Number: 6146000
Return To Compliance Date: 2019-10-11T00:00:00.000
Nov: No
Violation Classification: Minor
Underground Storage Tank Id: Not reported
Container/Tank Id: Not reported
Last Update: 2021-09-24T00:00:00.000
Inspection Date: 2019-05-24T00:00:00.000
Violation Code: 3010002 Failed to obtain &/or maintain an active EPA ID Number. 22 CCR 66262.12(a)

Record ID: DEH2002-HUPFP-108597
Permit Status: Permit Renewed
Active Permit: Y
Facility Id Number: 37-000-108597
Program Element: Hazardous Waste Generator
Inspection Type: Routine
Inspection Number: 5699598
Return To Compliance Date: 2017-09-26T00:00:00.000
Nov: No
Violation Classification: Class II
Underground Storage Tank Id: Not reported
Container/Tank Id: Not reported
Last Update: 2021-09-24T00:00:00.000
Inspection Date: 2017-04-14T16:19:00.000
Violation Code: 3250005 Failed to obtain a Treatment, Storage and Disposal Facility (TSDF) permit or authorization to store/treat/dispose of hazardous waste. HSC 25201(a)

Waste and Materials:

Record ID: DEH2002-HUPFP-108597
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2019-HCHEM-0221899
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2021-09-24T02:40:00.000
Chemical Name: urethane paint
Common Name: urethane paint
Case Number: Not reported

Record ID: DEH2002-HUPFP-108597
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2019-HWAST-0191684
Trade Secret: N
Hazardous Material Type: Not reported

HUES METAL FINISHING INC. (Continued) **1001613135**

Last Updated: 2021-09-24T02:40:00.000
Chemical Name: Waste paint/ acetone
Common Name: Waste paint/ acetone
Case Number: Not reported

Record ID: DEH2002-HUPFP-108597
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2015-HCHEM-0070480
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2017-03-27T19:18:16.000
Chemical Name: Propane
Common Name: Liquefied Petroleum Gas (lpg)
Case Number: 74-98-6

Record ID: DEH2002-HUPFP-108597
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2015-HCHEM-0070481
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2017-03-27T19:18:16.000
Chemical Name: Acetone
Common Name: Acetone
Case Number: 67-64-1

Record ID: DEH2002-HUPFP-108597
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2015-HCHEM-0070482
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2017-03-27T19:18:16.000
Chemical Name: urathane paint
Common Name: urathane paint
Case Number: Not reported

Record ID: DEH2002-HUPFP-108597
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2015-HWAST-0054492
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2017-03-27T19:18:16.000
Chemical Name: Waste paint/ acetone
Common Name: Waste paint/ acetone
Case Number: Not reported

Record ID: DEH2002-HUPFP-108597
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2015-HWAST-0054493
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2017-03-27T19:18:16.000
Chemical Name: booth filters

HUES METAL FINISHING INC. (Continued) **1001613135**

Common Name: booth filters
Case Number: Not reported

Record ID: DEH2002-HUPFP-108597
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2019-HCHEM-0221898
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2021-09-24T02:40:00.000
Chemical Name: Propane
Common Name: Liquefied Petroleum Gas (lpg)
Case Number: 74-98-6

Record ID: DEH2002-HUPFP-108597
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HCHEM-0158261
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2018-10-10T02:30:27.000
Chemical Name: Propane
Common Name: Liquefied Petroleum Gas (lpg)
Case Number: 74-98-6

Record ID: DEH2002-HUPFP-108597
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HCHEM-0158262
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2018-10-10T02:30:27.000
Chemical Name: Acetone
Common Name: Acetone
Case Number: 67-64-1

Record ID: DEH2002-HUPFP-108597
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HCHEM-0158263
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2018-10-10T02:30:27.000
Chemical Name: urathane paint
Common Name: urathane paint
Case Number: Not reported

Record ID: DEH2002-HUPFP-108597
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HWAST-0133857
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2018-10-10T02:30:27.000
Chemical Name: Waste paint/ acetone
Common Name: Waste paint/ acetone
Case Number: Not reported

HUES METAL FINISHING INC. (Continued) **1001613135**

Record ID:	DEH2002-HUPFP-108597
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2017-HWAST-0133858
Trade Secret:	N
Hazardous Material Type:	Not reported
Last Updated:	2018-10-10T02:30:27.000
Chemical Name:	booth filters
Common Name:	booth filters
Case Number:	Not reported

Name:	HUES METAL FINISHING, INC
Address:	977 LINDA VISTA DR
City,State,Zip:	SAN MARCOS, CA 92078
Permit Number:	108597
Business Type:	6HK50
EPA Id Number:	CAD039769583
APN:	219-331-08-00
Last HMMD Inspection:	07/18/2012
Facility Telephone:	760-744-5566
Permit Status:	OPEN
Permit Expiration:	04/30/2013
Date Last Updated:	11/02/2012
Facility Owner:	HUES METAL FINISHING, INC.
Facility Mailing Address:	977 LINDA VISTA DR
Facility Mailing City:	SAN MARCOS
Facility Mailing State:	CA
Facility Mailing Zip:	92078
UST Owner:	Not reported
Handle Regulated Hazmat:	Y
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Y
Treat Haz Waste:	Y
Generate Medical Waste:	Not reported

Inventory Active Permits (not SQG Medical):

Permit Number:	108597
Update Date:	11/02/2012
Case Number:	71-36-3
Name:	ACRYLIC ENAMEL W/BUTYL ALCOHOL
Other Information:	WATER BASED
Material Waste:	Material
Hazardous Categories 1:	ACUTE
Hazardous Categories 2:	Not reported

Permit Number:	108597
Update Date:	11/02/2012
Case Number:	7738-94-5
Name:	ALCHROME #2B CLEAR CHEM FILM-4LBS
Other Information:	IN 350GALS H20-PROCESS TNKESS TANK
Material Waste:	Material
Hazardous Categories 1:	ACUTE
Hazardous Categories 2:	CHRONIC

Permit Number:	108597
Update Date:	11/02/2012

HUES METAL FINISHING INC. (Continued) **1001613135**

Case Number: 1333-82-0
Name: B W/5% SOLUBLE CHROMIUM ALCHROME
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: ACUTE
Hazardous Categories 2: CHRONIC

Permit Number: 108597
Update Date: 11/02/2012
Case Number: Not reported
Name: CARCINOGENS &/OR REPRODUCTIVE TOXINS
Other Information: BELOW STATE DISCLOSURE AMTS ARE/MAY BE ON SITE
Material Waste: Not reported
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 108597
Update Date: 11/02/2012
Case Number: 78-93-3
Name: HIGH SOLIDS POLYURETHANE
Other Information: FLAMMABLE LIQUID, W/MEK E & POLYURETHAN
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: ACUTE

Permit Number: 108597
Update Date: 11/02/2012
Case Number: 7664-38-2
Name: PHOSPHORIC ACID 2%: ALUMA
Other Information: PREP 3 AN ACID (ETHC)
Material Waste: Material
Hazardous Categories 1: ACUTE
Hazardous Categories 2: EXTREMELY HAZARDOUS

Permit Number: 108597
Update Date: 11/02/2012
Case Number: 74-98-6
Name: PROPANE (TWO 500 GAL TANKS)
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: Not reported

Permit Number: 108597
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 132 AQUEOUS SOL'N WITH METALS
Other Information: HEXAVALENT CHROMIUM RINSATE
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 108597
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 171 METAL SLUDGE
Other Information: CHROME SLUDGE, HW DEBRIS

HUES METAL FINISHING INC. (Continued) **1001613135**

Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 108597
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 252 STILL BOTTOM WASTE (OTHER)
Other Information: PAINT STILL BOTTOMS
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Violations Active Permits:

Permit Number: 108597
Update Date: 11/02/2012
Inspection Date: 07/18/2012
Violation Code: 6HV0225
Violation: ACCUMULATED HW>180 OR >270 DAYS
Violation Citation: Accumulated waste too long (>180 or 270 days). 66262.34(d), CFR 262.34(e)&(f), &/or 25201(a) [>90 days for AHW waste]
Activity: ACTIVE

Permit Number: 108597
Update Date: 11/02/2012
Inspection Date: 07/18/2012
Violation Code: 6HV0227
Violation: HAZWASTE TANK/CONTAINER W/O LABEL/DATE
Violation Citation: Failed to properly label/date hazardous waste container &/or tank. 66262.34(f)
Activity: ACTIVE

Permit Number: 108597
Update Date: 11/02/2012
Inspection Date: 07/18/2012
Violation Code: 6HV1008
Violation: NO ANNUAL CARC/REPRO TOXIN LIST TO HMD
Violation Citation: Annual carcinogen and reproductive toxin list not submitted to HMD. 68.1113(c)
Activity: ACTIVE

Permit Number: 108597
Update Date: 11/02/2012
Inspection Date: 07/18/2012
Violation Code: 6HV1716
Violation: INADEQ/NO WRITTEN UNIT OPERATING INSTR.
Violation Citation: Inadequate or no written operating instructions for treatment unit (must include for every unit: how to operate unit, how to perform waste treatment, and how to manage residuals AND records of the dates, volumes, and types of wastes treated). Records must be kept 3 years for CE; 5 years for CA; or until closure for PBR unit. {CE: 25201.5(d)(3)&(5); CEL: 25201.14(c)(1); CA: 25200.3(c)(6) & (7); PBR: 67450.3(c)(9)(D) and 66265.73(a) & (b)(1)}
Activity: ACTIVE

Permit Number: 108597
Update Date: 11/02/2012

HUES METAL FINISHING INC. (Continued) **1001613135**

Inspection Date:	07/18/2012
Violation Code:	6HV1746
Violation:	NO FIN. ASSUR OR NOT UPDATED/ADEQUATE
Violation Citation:	Financial assurance not obtained, not updated annually or inadequate for sum of closure cost estimates using appropriate mechanism (i.e. trust fund, surety bond, insurance, self-certification) showing each unit's estimated closure costs. {67450.13; 66265.143} Requires submittal of UPC form, "Certification of Financial Assurance per 67450.13(b)"
Activity:	ACTIVE
Permit Number:	108597
Update Date:	11/02/2012
Inspection Date:	10/27/2008
Violation Code:	6HV0227
Violation:	HAZWASTE TANK/CONTAINER W/O LABEL/DATE
Violation Citation:	Failed to properly label/date hazardous waste container &/or tank. 66262.34(f)
Activity:	ACTIVE
Permit Number:	108597
Update Date:	11/02/2012
Inspection Date:	10/27/2008
Violation Code:	6HV0224
Violation:	MISMANAGED EMPTY CONTAINERS >5GALS.
Violation Citation:	Failed to mark date on empty container larger than 5 gallons and/or manage it within one year. 66261.7(e) & (f).
Activity:	ACTIVE
Permit Number:	108597
Update Date:	11/02/2012
Inspection Date:	10/27/2008
Violation Code:	6HV1005
Violation:	HMBP: NO ER CONTACTS LISTED OR CURRENT
Violation Citation:	Business Plan does not list the name and 24 hour phone numbers of Emergency Contact persons or contact is not current. HSC 25509(a)(7)
Activity:	ACTIVE
Permit Number:	108597
Update Date:	11/02/2012
Inspection Date:	08/09/2007
Violation Code:	6HV0226
Violation:	HW NOT ACCUMULATED IN TANK/CONTAINER
Violation Citation:	Did not accumulate waste in container or tank. 66262.34 (d)(2)
Activity:	ACTIVE
Permit Number:	108597
Update Date:	11/02/2012
Inspection Date:	08/09/2007
Violation Code:	6HV0234
Violation:	FACILITY NOT OPERATED TO MINIM. RELEASE
Violation Citation:	Did not maintain &/or operate facility to prevent release or fire. CFR 265.31
Activity:	ACTIVE
Permit Number:	108597
Update Date:	11/02/2012

HUES METAL FINISHING INC. (Continued) **1001613135**

Inspection Date:	08/09/2007
Violation Code:	6HV1711
Violation:	INADEQ./NO ONSITE UNIT INSPECTION SCHED.
Violation Citation:	Inadequate or no onsite written inspection schedule for containers, tanks, & equipment (must include inspections for safety equipment, emergency & security devices, specify problems checked for, and frequency of inspections). {For containers-CE: 25201.5(d)(4)&(5); CEL: 25201.14(c)(1); CA: 25200.3(c)(5); PBR: 67450.3(c)(8)(B) & 67450.3(c)(9)(A) & (D); 66265.15} (For tanks, also 66265.195)
Activity:	ACTIVE
Permit Number:	108597
Update Date:	11/02/2012
Inspection Date:	08/09/2007
Violation Code:	6HV1712
Violation:	INADEQ./NO RECORDS OF UNIT INSPECTIONS
Violation Citation:	Inadequate or no onsite records/logs of inspections conducted (must include dates, times, name of inspector, observations, and specifics of any needed repairs or corrective actions). (3 years for CE and PBR units, 5 years for CA). {CE: 25201.5(d)(4)&(5), 25201.14(c)(1); CA: 25200.3(c)(5)&(7); PBR: 67450.3(c)(8) & (9)(A) & (D), 66265.73(a)&(b)(1); 66265.15(b) & (d)}
Activity:	ACTIVE
Permit Number:	108597
Update Date:	11/02/2012
Inspection Date:	08/09/2007
Violation Code:	6HV1716
Violation:	INADEQ/NO WRITTEN UNIT OPERATING INSTR.
Violation Citation:	Inadequate or no written operating instructions for treatment unit (must include for every unit: how to operate unit, how to perform waste treatment, and how to manage residuals AND records of the dates, volumes, and types of wastes treated). Records must be kept 3 years for CE; 5 years for CA; or until closure for PBR unit. {CE: 25201.5(d)(3)&(5); CEL: 25201.14(c)(1); CA: 25200.3(c)(6) & (7); PBR: 67450.3(c)(9)(D) and 66265.73(a) & (b)(1)}
Activity:	ACTIVE
Permit Number:	108597
Update Date:	11/02/2012
Inspection Date:	08/09/2007
Violation Code:	6HV1744
Violation:	PHASE I ASSESSMENT NOT DONE/INADEQ.
Violation Citation:	Phase I site assessment checklist not completed & filed (with DTSC) within one year of being authorized to operate unit. {CA: 25200.3(c)(3); PBR: 67450.7(a)(3); 25200.14(b)(1)}
Activity:	ACTIVE
Permit Number:	108597
Update Date:	11/02/2012
Inspection Date:	08/09/2007
Violation Code:	6HV1751
Violation:	PBR NOTIFICATION NOT FILED/RENEWED
Violation Citation:	PBR notification not renewed/filed annually (due by January 1) or sooner {if significant change(s) occurred}. {67450.3(c)(1) & (c)(2)}
Activity:	ACTIVE

HUES METAL FINISHING INC. (Continued) **1001613135**

Permit Number:	108597
Update Date:	11/02/2012
Inspection Date:	08/09/2007
Violation Code:	6HV1756
Violation:	WRITTEN ANALYSIS PLAN INADEQUATE/ABSENT
Violation Citation:	Written waste analysis plan does not exist or is inadequate in specifying parameters of analysis, testing methods, frequency of analysis and sampling methods used to obtain representative samples. {66265.13(b) & 67450.3(c)(9)(A)}
Activity:	ACTIVE

Permit Number:	108597
Update Date:	11/02/2012
Inspection Date:	07/13/2010
Violation Code:	6HV0224
Violation:	MISMANAGED EMPTY CONTAINERS >5GALS.
Violation Citation:	Failed to mark date on empty container larger than 5 gallons and/or manage it within one year. 66261.7(e) & (f).
Activity:	ACTIVE

Permit Number:	108597
Update Date:	11/02/2012
Inspection Date:	07/13/2010
Violation Code:	6HV0227
Violation:	HAZWASTE TANK/CONTAINER W/O LABEL/DATE
Violation Citation:	Failed to properly label/date hazardous waste container &/or tank. 66262.34(f)
Activity:	ACTIVE

Permit Number:	108597
Update Date:	11/02/2012
Inspection Date:	07/13/2010
Violation Code:	6HV0222
Violation:	DID NOT PROPERLY LABEL ERM
Violation Citation:	Failed to properly label ERM. 25143.9(a)
Activity:	ACTIVE

Permit Number:	108597
Update Date:	11/02/2012
Inspection Date:	07/13/2010
Violation Code:	6HV0407
Violation:	EMPLOYEE TRAINING NOT ADEQUATE
Violation Citation:	Employee training program for small quantity generator of hazardous waste is inadequate. CFR 262.34(d)(5)(iii)
Activity:	ACTIVE

Permit Number:	108597
Update Date:	11/02/2012
Inspection Date:	07/13/2010
Violation Code:	6HV1008
Violation:	NO ANNUAL CARC/REPRO TOXIN LIST TO HMD
Violation Citation:	Annual carcinogen and reproductive toxin list not submitted to HMD. 68.1113(c)
Activity:	ACTIVE

Permit Number:	108597
Update Date:	11/02/2012

HUES METAL FINISHING INC. (Continued) **1001613135**

Inspection Date:	07/13/2010
Violation Code:	6HV0234
Violation:	FACILITY NOT OPERATED TO MINIM. RELEASE
Violation Citation:	Did not maintain &/or operate facility to prevent release or fire. CFR 265.31
Activity:	ACTIVE
Permit Number:	108597
Update Date:	11/02/2012
Inspection Date:	07/13/2010
Violation Code:	6HV1712
Violation:	INADEQ./NO RECORDS OF UNIT INSPECTIONS
Violation Citation:	Inadequate or no onsite records/logs of inspections conducted (must include dates, times, name of inspector, observations, and specifics of any needed repairs or corrective actions). (3 years for CE and PBR units, 5 years for CA). {CE: 25201.5(d)(4)&(5), 25201.14(c)(1); CA: 25200.3(c)(5)&(7); PBR: 67450.3(c)(8) & (9)(A) & (D), 66265.73(a)&(b)(1); 66265.15(b) & (d)}
Activity:	ACTIVE
Permit Number:	108597
Update Date:	11/02/2012
Inspection Date:	07/13/2010
Violation Code:	6HV1741
Violation:	SECONDARY CONTAINMENT INADEQ/ABSENT
Violation Citation:	Proper secondary containment is not provided or is not: compatible with stored waste, free of cracks & leaks, protecting containers from contact with accumulated liquid, capable of containing a 24 hour/25 year storm precipitation plus 10% volume of all containers, or 100% largest container volume, whichever is greater. {Containers: 66264.175(a)&(b) for CA: 25200.3(c)(4) for PBR: 67450.3(c)(9)} {Tank systems: 66265.193 and .194}
Activity:	ACTIVE
Permit Number:	108597
Update Date:	11/02/2012
Inspection Date:	07/13/2010
Violation Code:	6HV1756
Violation:	WRITTEN ANALYSIS PLAN INADEQUATE/ABSENT
Violation Citation:	Written waste analysis plan does not exist or is inadequate in specifying parameters of analysis, testing methods, frequency of analysis and sampling methods used to obtain representative samples. {66265.13(b) & 67450.3(c)(9)(A)}
Activity:	ACTIVE
Permit Number:	108597
Update Date:	11/02/2012
Inspection Date:	04/17/2003
Violation Code:	6HV0402
Violation:	TRAINING PROGRAM NOT ADEQUATE
Violation Citation:	Personnel training is not adequate to ensure compliance with hazardous waste regulations. CCR 66265.16(a)&(b)
Activity:	ACTIVE
Permit Number:	108597
Update Date:	11/02/2012
Inspection Date:	04/17/2003

HUES METAL FINISHING INC. (Continued) **1001613135**

Violation Code:	6HV0143
Violation:	TP NOTIFICATION INCOMPLETE/INCORRECT
Violation Citation:	TIERED PERMITTING: TP Notification has incomplete or incorrect information. 25201
Activity:	ACTIVE
Permit Number:	108597
Update Date:	11/02/2012
Inspection Date:	06/10/2004
Violation Code:	6HV0402
Violation:	TRAINING PROGRAM NOT ADEQUATE
Violation Citation:	Personnel training is not adequate to ensure compliance with hazardous waste regulations. CCR 66265.16(a)&(b)
Activity:	ACTIVE
Permit Number:	108597
Update Date:	11/02/2012
Inspection Date:	04/14/2003
Violation Code:	6HV1501
Violation:	NOT ALL UNITS IN TP NOTIFICATION
Violation Citation:	TIERED PERMITTING: FACILITY WIDE-Not all units under PBR, CA, and CE are properly indicated on Form DTSC 1772. (Add any new units with unit sheets or correct tier on the unit sheet.)
Activity:	ACTIVE
Permit Number:	108597
Update Date:	11/02/2012
Inspection Date:	04/14/2003
Violation Code:	6HV1552
Violation:	TP UNIT:WRONG # TANKS/CONTAINERS
Violation Citation:	TIERED PERMITTING-ALL UNITS:The unit notification information is not accurate as to the number of tank(s) or container(s).
Activity:	ACTIVE
Name:	HUES METAL FINISHING, INC
Address:	977 LINDA VISTA DR
City,State,Zip:	SAN MARCOS, CA 92078
Permit Number:	108597
Business Type:	6HK50
EPA Id Number:	CAD039769583
APN:	219-331-08-00
Last HMMD Inspection:	07/18/2012
Facility Telephone:	760-744-5566
Permit Status:	OPEN
Permit Expiration:	04/30/2013
Date Last Updated:	11/02/2012
Facility Owner:	HUES METAL FINISHING, INC.
Facility Mailing Address:	977 LINDA VISTA DR
Facility Mailing City:	SAN MARCOS
Facility Mailing State:	CA
Facility Mailing Zip:	92078
UST Owner:	Not reported
Handle Regulated Hazmat:	Y
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Y

HUES METAL FINISHING INC. (Continued) **1001613135**

Treat Haz Waste: Y
Generate Medical Waste: Not reported

Inventory Active Permits (not SQG Medical):
Permit Number: 108597
Update Date: 11/02/2012
Case Number: 71-36-3
Name: ACRYLIC ENAMEL W/BUTYL ALCOHOL
Other Information: WATER BASED
Material Waste: Material
Hazardous Categories 1: ACUTE
Hazardous Categories 2: Not reported

Permit Number: 108597
Update Date: 11/02/2012
Case Number: 7738-94-5
Name: ALCHROME #2B CLEAR CHEM FILM-4LBS
Other Information: IN 350GALS H20-PROCESS TNKESS TANK
Material Waste: Material
Hazardous Categories 1: ACUTE
Hazardous Categories 2: CHRONIC

Permit Number: 108597
Update Date: 11/02/2012
Case Number: 1333-82-0
Name: B W/5% SOLUBLE CHROMIUM ALCHROME
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: ACUTE
Hazardous Categories 2: CHRONIC

Permit Number: 108597
Update Date: 11/02/2012
Case Number: Not reported
Name: CARCINOGENS &/OR REPRODUCTIVE TOXINS
Other Information: BELOW STATE DISCLOSURE AMTS ARE/MAY BE ON SITE
Material Waste: Not reported
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 108597
Update Date: 11/02/2012
Case Number: 78-93-3
Name: HIGH SOLIDS POLYURETHANE
Other Information: FLAMMABLE LIQUID, W/MEK E & POLYURETHAN
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: ACUTE

Permit Number: 108597
Update Date: 11/02/2012
Case Number: 7664-38-2
Name: PHOSPHORIC ACID 2%: ALUMA
Other Information: PREP 3 AN ACID (ETHC)
Material Waste: Material
Hazardous Categories 1: ACUTE
Hazardous Categories 2: EXTREMELY HAZARDOUS

HUES METAL FINISHING INC. (Continued) **1001613135**

Permit Number: 108597
Update Date: 11/02/2012
Case Number: 74-98-6
Name: PROPANE (TWO 500 GAL TANKS)
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: Not reported

Permit Number: 108597
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 132 AQUEOUS SOL'N WITH METALS
Other Information: HEXAVALENT CHROMIUM RINSATE
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 108597
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 171 METAL SLUDGE
Other Information: CHROME SLUDGE, HW DEBRIS
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 108597
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 252 STILL BOTTOM WASTE (OTHER)
Other Information: PAINT STILL BOTTOMS
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Violations Active Permits:
Permit Number: 108597
Update Date: 11/02/2012
Inspection Date: 07/18/2012
Violation Code: 6HV0225
Violation: ACCUMULATED HW>180 OR >270 DAYS
Violation Citation: Accumulated waste too long (>180 or 270 days). 66262.34(d), CFR 262.34(e)&(f), &/or 25201(a) [>90 days for AHW waste]
Activity: ACTIVE

Permit Number: 108597
Update Date: 11/02/2012
Inspection Date: 07/18/2012
Violation Code: 6HV0227
Violation: HAZWASTE TANK/CONTAINER W/O LABEL/DATE
Violation Citation: Failed to properly label/date hazardous waste container &/or tank. 66262.34(f)
Activity: ACTIVE

Permit Number: 108597
Update Date: 11/02/2012

HUES METAL FINISHING INC. (Continued) **1001613135**

Inspection Date:	07/18/2012
Violation Code:	6HV1008
Violation:	NO ANNUAL CARC/REPRO TOXIN LIST TO HMD
Violation Citation:	Annual carcinogen and reproductive toxin list not submitted to HMD. 68.1113(c)
Activity:	ACTIVE
Permit Number:	108597
Update Date:	11/02/2012
Inspection Date:	07/18/2012
Violation Code:	6HV1716
Violation:	INADEQ/NO WRITTEN UNIT OPERATING INSTR.
Violation Citation:	Inadequate or no written operating instructions for treatment unit (must include for every unit: how to operate unit, how to perform waste treatment, and how to manage residuals AND records of the dates, volumes, and types of wastes treated). Records must be kept 3 years for CE; 5 years for CA; or until closure for PBR unit. {CE: 25201.5(d)(3)&(5); CEL: 25201.14(c)(1); CA: 25200.3(c)(6) & (7); PBR: 67450.3(c)(9)(D) and 66265.73(a) & (b)(1)}
Activity:	ACTIVE
Permit Number:	108597
Update Date:	11/02/2012
Inspection Date:	07/18/2012
Violation Code:	6HV1746
Violation:	NO FIN. ASSUR OR NOT UPDATED/ADEQUATE
Violation Citation:	Financial assurance not obtained, not updated annually or inadequate for sum of closure cost estimates using appropriate mechanism (i.e. trust fund, surety bond, insurance, self-certification) showing each unit's estimated closure costs. {67450.13; 66265.143} Requires submittal of UPC form, "Certification of Financial Assurance per 67450.13(b)"
Activity:	ACTIVE
Permit Number:	108597
Update Date:	11/02/2012
Inspection Date:	10/27/2008
Violation Code:	6HV0227
Violation:	HAZWASTE TANK/CONTAINER W/O LABEL/DATE
Violation Citation:	Failed to properly label/date hazardous waste container &/or tank. 66262.34(f)
Activity:	ACTIVE
Permit Number:	108597
Update Date:	11/02/2012
Inspection Date:	10/27/2008
Violation Code:	6HV0224
Violation:	MISMANAGED EMPTY CONTAINERS >5GALS.
Violation Citation:	Failed to mark date on empty container larger than 5 gallons and/or manage it within one year. 66261.7(e) & (f).
Activity:	ACTIVE
Permit Number:	108597
Update Date:	11/02/2012
Inspection Date:	10/27/2008
Violation Code:	6HV1005
Violation:	HMBP: NO ER CONTACTS LISTED OR CURRENT

HUES METAL FINISHING INC. (Continued) **1001613135**

Violation Citation:	Business Plan does not list the name and 24 hour phone numbers of Emergency Contact persons or contact is not current. HSC 25509(a)(7)
Activity:	ACTIVE
Permit Number:	108597
Update Date:	11/02/2012
Inspection Date:	08/09/2007
Violation Code:	6HV0226
Violation:	HW NOT ACCUMULATED IN TANK/CONTAINER
Violation Citation:	Did not accumulate waste in container or tank. 66262.34 (d)(2)
Activity:	ACTIVE
Permit Number:	108597
Update Date:	11/02/2012
Inspection Date:	08/09/2007
Violation Code:	6HV0234
Violation:	FACILITY NOT OPERATED TO MINIM. RELEASE
Violation Citation:	Did not maintain &/or operate facility to prevent release or fire. CFR 265.31
Activity:	ACTIVE
Permit Number:	108597
Update Date:	11/02/2012
Inspection Date:	08/09/2007
Violation Code:	6HV1711
Violation:	INADEQ./NO ONSITE UNIT INSPECTION SCHED.
Violation Citation:	Inadequate or no onsite written inspection schedule for containers, tanks, & equipment (must include inspections for safety equipment, emergency & security devices, specify problems checked for, and frequency of inspections). {For containers-CE: 25201.5(d)(4)&(5); CEL: 25201.14(c)(1); CA: 25200.3(c)(5); PBR: 67450.3(c)(8)(B) & 67450.3(c)(9)(A) & (D); 66265.15} (For tanks, also 66265.195)
Activity:	ACTIVE
Permit Number:	108597
Update Date:	11/02/2012
Inspection Date:	08/09/2007
Violation Code:	6HV1712
Violation:	INADEQ./NO RECORDS OF UNIT INSPECTIONS
Violation Citation:	Inadequate or no onsite records/logs of inspections conducted (must include dates, times, name of inspector, observations, and specifics of any needed repairs or corrective actions). (3 years for CE and PBR units, 5 years for CA). {CE: 25201.5(d)(4)&(5), 25201.14(c)(1); CA: 25200.3(c)(5)&(7); PBR: 67450.3(c)(8) & (9)(A) & (D), 66265.73(a)&(b)(1); 66265.15(b) & (d)}
Activity:	ACTIVE
Permit Number:	108597
Update Date:	11/02/2012
Inspection Date:	08/09/2007
Violation Code:	6HV1716
Violation:	INADEQ/NO WRITTEN UNIT OPERATING INSTR.
Violation Citation:	Inadequate or no written operating instructions for treatment unit (must include for every unit: how to operate unit, how to perform waste treatment, and how to manage residuals AND records of the dates, volumes, and types of wastes treated). Records must be kept 3 years for CE; 5 years for CA; or until closure for PBR unit. {CE:

HUES METAL FINISHING INC. (Continued) **1001613135**

	25201.5(d)(3)&(5); CEL: 25201.14(c)(1); CA: 25200.3(c)(6) & (7); PBR: 67450.3(c)(9)(D) and 66265.73(a) & (b)(1)}
Activity:	ACTIVE
Permit Number:	108597
Update Date:	11/02/2012
Inspection Date:	08/09/2007
Violation Code:	6HV1744
Violation:	PHASE I ASSESSMENT NOT DONE/INADEQ.
Violation Citation:	Phase I site assessment checklist not completed & filed (with DTSC) within one year of being authorized to operate unit. {CA: 25200.3(c)(3); PBR: 67450.7(a)(3); 25200.14(b)(1)}
Activity:	ACTIVE
Permit Number:	108597
Update Date:	11/02/2012
Inspection Date:	08/09/2007
Violation Code:	6HV1751
Violation:	PBR NOTIFICATION NOT FILED/RENEWED
Violation Citation:	PBR notification not renewed/filed annually (due by January 1) or sooner {if significant change(s) occurred}. {67450.3(c)(1) & (c)(2)}
Activity:	ACTIVE
Permit Number:	108597
Update Date:	11/02/2012
Inspection Date:	08/09/2007
Violation Code:	6HV1756
Violation:	WRITTEN ANALYSIS PLAN INADEQUATE/ABSENT
Violation Citation:	Written waste analysis plan does not exist or is inadequate in specifying parameters of analysis, testing methods, frequency of analysis and sampling methods used to obtain representative samples. {66265.13(b) & 67450.3(c)(9)(A)}
Activity:	ACTIVE
Permit Number:	108597
Update Date:	11/02/2012
Inspection Date:	07/13/2010
Violation Code:	6HV0224
Violation:	MISMANAGED EMPTY CONTAINERS >5GALS.
Violation Citation:	Failed to mark date on empty container larger than 5 gallons and/or manage it within one year. 66261.7(e) & (f).
Activity:	ACTIVE
Permit Number:	108597
Update Date:	11/02/2012
Inspection Date:	07/13/2010
Violation Code:	6HV0227
Violation:	HAZWASTE TANK/CONTAINER W/O LABEL/DATE
Violation Citation:	Failed to properly label/date hazardous waste container &/or tank. 66262.34(f)
Activity:	ACTIVE
Permit Number:	108597
Update Date:	11/02/2012
Inspection Date:	07/13/2010
Violation Code:	6HV0222
Violation:	DID NOT PROPERLY LABEL ERM

HUES METAL FINISHING INC. (Continued) **1001613135**

Violation Citation:	Failed to properly label ERM. 25143.9(a)
Activity:	ACTIVE
Permit Number:	108597
Update Date:	11/02/2012
Inspection Date:	07/13/2010
Violation Code:	6HV0407
Violation:	EMPLOYEE TRAINING NOT ADEQUATE
Violation Citation:	Employee training program for small quantity generator of hazardous waste is inadequate. CFR 262.34(d)(5)(iii)
Activity:	ACTIVE
Permit Number:	108597
Update Date:	11/02/2012
Inspection Date:	07/13/2010
Violation Code:	6HV1008
Violation:	NO ANNUAL CARC/REPRO TOXIN LIST TO HMD
Violation Citation:	Annual carcinogen and reproductive toxin list not submitted to HMD. 68.1113(c)
Activity:	ACTIVE
Permit Number:	108597
Update Date:	11/02/2012
Inspection Date:	07/13/2010
Violation Code:	6HV0234
Violation:	FACILITY NOT OPERATED TO MINIM. RELEASE
Violation Citation:	Did not maintain &/or operate facility to prevent release or fire. CFR 265.31
Activity:	ACTIVE
Permit Number:	108597
Update Date:	11/02/2012
Inspection Date:	07/13/2010
Violation Code:	6HV1712
Violation:	INADEQ./NO RECORDS OF UNIT INSPECTIONS
Violation Citation:	Inadequate or no onsite records/logs of inspections conducted (must include dates, times, name of inspector, observations, and specifics of any needed repairs or corrective actions). (3 years for CE and PBR units, 5 years for CA). {CE: 25201.5(d)(4)&(5), 25201.14(c)(1); CA: 25200.3(c)(5)&(7); PBR: 67450.3(c)(8) & (9)(A) & (D), 66265.73(a)&(b)(1); 66265.15(b) & (d)}
Activity:	ACTIVE
Permit Number:	108597
Update Date:	11/02/2012
Inspection Date:	07/13/2010
Violation Code:	6HV1741
Violation:	SECONDARY CONTAINMENT INADEQ/ABSENT
Violation Citation:	Proper secondary containment is not provided or is not: compatible with stored waste, free of cracks & leaks, protecting containers from contact with accumulated liquid, capable of containing a 24 hour/25 year storm precipitation plus 10% volume of all containers, or 100% largest container volume, whichever is greater. {Containers: 66264.175(a)&(b) for CA: 25200.3(c)(4) for PBR: 67450.3(c)(9)} {Tank systems: 66265.193 and .194}
Activity:	ACTIVE

HUES METAL FINISHING INC. (Continued) **1001613135**

Permit Number:	108597
Update Date:	11/02/2012
Inspection Date:	07/13/2010
Violation Code:	6HV1756
Violation:	WRITTEN ANALYSIS PLAN INADEQUATE/ABSENT
Violation Citation:	Written waste analysis plan does not exist or is inadequate in specifying parameters of analysis, testing methods, frequency of analysis and sampling methods used to obtain representative samples. {66265.13(b) & 67450.3(c)(9)(A)}
Activity:	ACTIVE

Permit Number:	108597
Update Date:	11/02/2012
Inspection Date:	04/17/2003
Violation Code:	6HV0402
Violation:	TRAINING PROGRAM NOT ADEQUATE
Violation Citation:	Personnel training is not adequate to ensure compliance with hazardous waste regulations. CCR 66265.16(a)&(b)
Activity:	ACTIVE

Permit Number:	108597
Update Date:	11/02/2012
Inspection Date:	04/17/2003
Violation Code:	6HV0143
Violation:	TP NOTIFICATION INCOMPLETE/INCORRECT
Violation Citation:	TIERED PERMITTING: TP Notification has incomplete or incorrect information. 25201
Activity:	ACTIVE

Permit Number:	108597
Update Date:	11/02/2012
Inspection Date:	06/10/2004
Violation Code:	6HV0402
Violation:	TRAINING PROGRAM NOT ADEQUATE
Violation Citation:	Personnel training is not adequate to ensure compliance with hazardous waste regulations. CCR 66265.16(a)&(b)
Activity:	ACTIVE

Permit Number:	108597
Update Date:	11/02/2012
Inspection Date:	04/14/2003
Violation Code:	6HV1501
Violation:	NOT ALL UNITS IN TP NOTIFICATION
Violation Citation:	TIERED PERMITTING: FACILITY WIDE-Not all units under PBR, CA, and CE are properly indicated on Form DTSC 1772. (Add any new units with unit sheets or correct tier on the unit sheet.)
Activity:	ACTIVE

Permit Number:	108597
Update Date:	11/02/2012
Inspection Date:	04/14/2003
Violation Code:	6HV1552
Violation:	TP UNIT:WRONG # TANKS/CONTAINERS
Violation Citation:	TIERED PERMITTING-ALL UNITS:The unit notification information is not accurate as to the number of tank(s) or container(s).
Activity:	ACTIVE

HUES METAL FINISHING INC. (Continued) **1001613135**

Name:	HUES METAL FINISHING, INC
Address:	977 LINDA VISTA DR
City,State,Zip:	SAN MARCOS, CA 92078
Permit Number:	108597
Business Type:	6HK50
EPA Id Number:	CAD039769583
APN:	219-331-08-00
Last HMMD Inspection:	07/18/2012
Facility Telephone:	760-744-5566
Permit Status:	OPEN
Permit Expiration:	04/30/2013
Date Last Updated:	11/02/2012
Facility Owner:	HUES METAL FINISHING, INC.
Facility Mailing Address:	977 LINDA VISTA DR
Facility Mailing City:	SAN MARCOS
Facility Mailing State:	CA
Facility Mailing Zip:	92078
UST Owner:	Not reported
Handle Regulated Hazmat:	Y
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Y
Treat Haz Waste:	Y
Generate Medical Waste:	Not reported

Inventory Active Permits (not SQG Medical):

Permit Number:	108597
Update Date:	11/02/2012
Case Number:	71-36-3
Name:	ACRYLIC ENAMEL W/BUTYL ALCOHOL
Other Information:	WATER BASED
Material Waste:	Material
Hazardous Categories 1:	ACUTE
Hazardous Categories 2:	Not reported

Permit Number:	108597
Update Date:	11/02/2012
Case Number:	7738-94-5
Name:	ALCHROME #2B CLEAR CHEM FILM-4LBS
Other Information:	IN 350GALS H20-PROCESS TNKESS TANK
Material Waste:	Material
Hazardous Categories 1:	ACUTE
Hazardous Categories 2:	CHRONIC

Permit Number:	108597
Update Date:	11/02/2012
Case Number:	1333-82-0
Name:	B W/5% SOLUBLE CHROMIUM ALCHROME
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	ACUTE
Hazardous Categories 2:	CHRONIC

Permit Number:	108597
Update Date:	11/02/2012
Case Number:	Not reported
Name:	CARCINOGENS &/OR REPRODUCTIVE TOXINS
Other Information:	BELOW STATE DISCLOSURE AMTS ARE/MAY BE ON SITE

HUES METAL FINISHING INC. (Continued) **1001613135**

Material Waste: Not reported
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 108597
Update Date: 11/02/2012
Case Number: 78-93-3
Name: HIGH SOLIDS POLYURETHANE
Other Information: FLAMMABLE LIQUID, W/MEK E & POLYURETHAN
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: ACUTE

Permit Number: 108597
Update Date: 11/02/2012
Case Number: 7664-38-2
Name: PHOSPHORIC ACID 2%: ALUMA
Other Information: PREP 3 AN ACID (ETHC)
Material Waste: Material
Hazardous Categories 1: ACUTE
Hazardous Categories 2: EXTREMELY HAZARDOUS

Permit Number: 108597
Update Date: 11/02/2012
Case Number: 74-98-6
Name: PROPANE (TWO 500 GAL TANKS)
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: Not reported

Permit Number: 108597
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 132 AQUEOUS SOL'N WITH METALS
Other Information: HEXAVALENT CHROMIUM RINSATE
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 108597
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 171 METAL SLUDGE
Other Information: CHROME SLUDGE, HW DEBRIS
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 108597
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 252 STILL BOTTOM WASTE (OTHER)
Other Information: PAINT STILL BOTTOMS
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

HUES METAL FINISHING INC. (Continued) **1001613135**

Violations Active Permits:

Permit Number:	108597
Update Date:	11/02/2012
Inspection Date:	07/18/2012
Violation Code:	6HV0225
Violation:	ACCUMULATED HW>180 OR >270 DAYS
Violation Citation:	Accumulated waste too long (>180 or 270 days). 66262.34(d), CFR 262.34(e)&(f), &/or 25201(a) [>90 days for AHW waste]
Activity:	ACTIVE
Permit Number:	108597
Update Date:	11/02/2012
Inspection Date:	07/18/2012
Violation Code:	6HV0227
Violation:	HAZWASTE TANK/CONTAINER W/O LABEL/DATE
Violation Citation:	Failed to properly label/date hazardous waste container &/or tank. 66262.34(f)
Activity:	ACTIVE
Permit Number:	108597
Update Date:	11/02/2012
Inspection Date:	07/18/2012
Violation Code:	6HV1008
Violation:	NO ANNUAL CARC/REPRO TOXIN LIST TO HMD
Violation Citation:	Annual carcinogen and reproductive toxin list not submitted to HMD. 68.1113(c)
Activity:	ACTIVE
Permit Number:	108597
Update Date:	11/02/2012
Inspection Date:	07/18/2012
Violation Code:	6HV1716
Violation:	INADEQ/NO WRITTEN UNIT OPERATING INSTR.
Violation Citation:	Inadequate or no written operating instructions for treatment unit (must include for every unit: how to operate unit, how to perform waste treatment, and how to manage residuals AND records of the dates, volumes, and types of wastes treated). Records must be kept 3 years for CE; 5 years for CA; or until closure for PBR unit. {CE: 25201.5(d)(3)&(5); CEL: 25201.14(c)(1); CA: 25200.3(c)(6) & (7); PBR: 67450.3(c)(9)(D) and 66265.73(a) & (b)(1)}
Activity:	ACTIVE
Permit Number:	108597
Update Date:	11/02/2012
Inspection Date:	07/18/2012
Violation Code:	6HV1746
Violation:	NO FIN. ASSUR OR NOT UPDATED/ADEQUATE
Violation Citation:	Financial assurance not obtained, not updated annually or inadequate for sum of closure cost estimates using appropriate mechanism (i.e. trust fund, surety bond, insurance, self-certification) showing each unit's estimated closure costs. {67450.13; 66265.143} Requires submittal of UPC form, "Certification of Financial Assurance per 67450.13(b)"
Activity:	ACTIVE
Permit Number:	108597
Update Date:	11/02/2012

HUES METAL FINISHING INC. (Continued) **1001613135**

Inspection Date:	10/27/2008
Violation Code:	6HV0227
Violation:	HAZWASTE TANK/CONTAINER W/O LABEL/DATE
Violation Citation:	Failed to properly label/date hazardous waste container &/or tank. 66262.34(f)
Activity:	ACTIVE
Permit Number:	108597
Update Date:	11/02/2012
Inspection Date:	10/27/2008
Violation Code:	6HV0224
Violation:	MISMANAGED EMPTY CONTAINERS >5GALS.
Violation Citation:	Failed to mark date on empty container larger than 5 gallons and/or manage it within one year. 66261.7(e) & (f).
Activity:	ACTIVE
Permit Number:	108597
Update Date:	11/02/2012
Inspection Date:	10/27/2008
Violation Code:	6HV1005
Violation:	HMBP: NO ER CONTACTS LISTED OR CURRENT
Violation Citation:	Business Plan does not list the name and 24 hour phone numbers of Emergency Contact persons or contact is not current. HSC 25509(a)(7)
Activity:	ACTIVE
Permit Number:	108597
Update Date:	11/02/2012
Inspection Date:	08/09/2007
Violation Code:	6HV0226
Violation:	HW NOT ACCUMULATED IN TANK/CONTAINER
Violation Citation:	Did not accumulate waste in container or tank. 66262.34 (d)(2)
Activity:	ACTIVE
Permit Number:	108597
Update Date:	11/02/2012
Inspection Date:	08/09/2007
Violation Code:	6HV0234
Violation:	FACILITY NOT OPERATED TO MINIM. RELEASE
Violation Citation:	Did not maintain &/or operate facility to prevent release or fire. CFR 265.31
Activity:	ACTIVE
Permit Number:	108597
Update Date:	11/02/2012
Inspection Date:	08/09/2007
Violation Code:	6HV1711
Violation:	INADEQ./NO ONSITE UNIT INSPECTION SCHED.
Violation Citation:	Inadequate or no onsite written inspection schedule for containers, tanks, & equipment (must include inspections for safety equipment, emergency & security devices, specify problems checked for, and frequency of inspections). {For containers-CE: 25201.5(d)(4)&(5); CEL: 25201.14(c)(1); CA: 25200.3(c)(5); PBR: 67450.3(c)(8)(B) & 67450.3(c)(9)(A) & (D); 66265.15} (For tanks, also 66265.195)
Activity:	ACTIVE
Permit Number:	108597
Update Date:	11/02/2012

HUES METAL FINISHING INC. (Continued) **1001613135**

Inspection Date:	08/09/2007
Violation Code:	6HV1712
Violation:	INADEQ./NO RECORDS OF UNIT INSPECTIONS
Violation Citation:	Inadequate or no onsite records/logs of inspections conducted (must include dates, times, name of inspector, observations, and specifics of any needed repairs or corrective actions). (3 years for CE and PBR units, 5 years for CA). {CE: 25201.5(d)(4)&(5), 25201.14(c)(1); CA: 25200.3(c)(5)&(7); PBR: 67450.3(c)(8) & (9)(A) & (D), 66265.73(a)&(b)(1); 66265.15(b) & (d)}
Activity:	ACTIVE
Permit Number:	108597
Update Date:	11/02/2012
Inspection Date:	08/09/2007
Violation Code:	6HV1716
Violation:	INADEQ/NO WRITTEN UNIT OPERATING INSTR.
Violation Citation:	Inadequate or no written operating instructions for treatment unit (must include for every unit: how to operate unit, how to perform waste treatment, and how to manage residuals AND records of the dates, volumes, and types of wastes treated). Records must be kept 3 years for CE; 5 years for CA; or until closure for PBR unit. {CE: 25201.5(d)(3)&(5); CEL: 25201.14(c)(1); CA: 25200.3(c)(6) & (7); PBR: 67450.3(c)(9)(D) and 66265.73(a) & (b)(1)}
Activity:	ACTIVE
Permit Number:	108597
Update Date:	11/02/2012
Inspection Date:	08/09/2007
Violation Code:	6HV1744
Violation:	PHASE I ASSESSMENT NOT DONE/INADEQ.
Violation Citation:	Phase I site assessment checklist not completed & filed (with DTSC) within one year of being authorized to operate unit. {CA: 25200.3(c)(3); PBR: 67450.7(a)(3); 25200.14(b)(1)}
Activity:	ACTIVE
Permit Number:	108597
Update Date:	11/02/2012
Inspection Date:	08/09/2007
Violation Code:	6HV1751
Violation:	PBR NOTIFICATION NOT FILED/RENEWED
Violation Citation:	PBR notification not renewed/filed annually (due by January 1) or sooner {if significant change(s) occurred}. {67450.3(c)(1) & (c)(2)}
Activity:	ACTIVE
Permit Number:	108597
Update Date:	11/02/2012
Inspection Date:	08/09/2007
Violation Code:	6HV1756
Violation:	WRITTEN ANALYSIS PLAN INADEQUATE/ABSENT
Violation Citation:	Written waste analysis plan does not exist or is inadequate in specifying parameters of analysis, testing methods, frequency of analysis and sampling methods used to obtain representative samples. {66265.13(b) & 67450.3(c)(9)(A)}
Activity:	ACTIVE
Permit Number:	108597
Update Date:	11/02/2012

HUES METAL FINISHING INC. (Continued) **1001613135**

Inspection Date:	07/13/2010
Violation Code:	6HV0224
Violation:	MISMANAGED EMPTY CONTAINERS >5GALS.
Violation Citation:	Failed to mark date on empty container larger than 5 gallons and/or manage it within one year. 66261.7(e) & (f).
Activity:	ACTIVE
Permit Number:	108597
Update Date:	11/02/2012
Inspection Date:	07/13/2010
Violation Code:	6HV0227
Violation:	HAZWASTE TANK/CONTAINER W/O LABEL/DATE
Violation Citation:	Failed to properly label/date hazardous waste container &/or tank. 66262.34(f)
Activity:	ACTIVE
Permit Number:	108597
Update Date:	11/02/2012
Inspection Date:	07/13/2010
Violation Code:	6HV0222
Violation:	DID NOT PROPERLY LABEL ERM
Violation Citation:	Failed to properly label ERM. 25143.9(a)
Activity:	ACTIVE
Permit Number:	108597
Update Date:	11/02/2012
Inspection Date:	07/13/2010
Violation Code:	6HV0407
Violation:	EMPLOYEE TRAINING NOT ADEQUATE
Violation Citation:	Employee training program for small quantity generator of hazardous waste is inadequate. CFR 262.34(d)(5)(iii)
Activity:	ACTIVE
Permit Number:	108597
Update Date:	11/02/2012
Inspection Date:	07/13/2010
Violation Code:	6HV1008
Violation:	NO ANNUAL CARC/REPRO TOXIN LIST TO HMD
Violation Citation:	Annual carcinogen and reproductive toxin list not submitted to HMD. 68.1113(c)
Activity:	ACTIVE
Permit Number:	108597
Update Date:	11/02/2012
Inspection Date:	07/13/2010
Violation Code:	6HV0234
Violation:	FACILITY NOT OPERATED TO MINIM. RELEASE
Violation Citation:	Did not maintain &/or operate facility to prevent release or fire. CFR 265.31
Activity:	ACTIVE
Permit Number:	108597
Update Date:	11/02/2012
Inspection Date:	07/13/2010
Violation Code:	6HV1712
Violation:	INADEQ./NO RECORDS OF UNIT INSPECTIONS
Violation Citation:	Inadequate or no onsite records/logs of inspections conducted (must

HUES METAL FINISHING INC. (Continued) **1001613135**

include dates, times, name of inspector, observations, and specifics of any needed repairs or corrective actions). (3 years for CE and PBR units, 5 years for CA). {CE: 25201.5(d)(4)&(5), 25201.14(c)(1); CA: 25200.3(c)(5)&(7); PBR: 67450.3(c)(8) & (9)(A) & (D), 66265.73(a)&(b)(1); 66265.15(b) & (d)}
Activity: ACTIVE

Permit Number: 108597
Update Date: 11/02/2012
Inspection Date: 07/13/2010
Violation Code: 6HV1741
Violation: SECONDARY CONTAINMENT INADEQ/ABSENT
Violation Citation: Proper secondary containment is not provided or is not: compatible with stored waste, free of cracks & leaks, protecting containers from contact with accumulated liquid, capable of containing a 24 hour/25 year storm precipitation plus 10% volume of all containers, or 100% largest container volume, whichever is greater. {Containers: 66264.175(a)&(b) for CA: 25200.3(c)(4) for PBR: 67450.3(c)(9)} {Tank systems: 66265.193 and .194}
Activity: ACTIVE

Permit Number: 108597
Update Date: 11/02/2012
Inspection Date: 07/13/2010
Violation Code: 6HV1756
Violation: WRITTEN ANALYSIS PLAN INADEQUATE/ABSENT
Violation Citation: Written waste analysis plan does not exist or is inadequate in specifying parameters of analysis, testing methods, frequency of analysis and sampling methods used to obtain representative samples. {66265.13(b) & 67450.3(c)(9)(A)}
Activity: ACTIVE

Permit Number: 108597
Update Date: 11/02/2012
Inspection Date: 04/17/2003
Violation Code: 6HV0402
Violation: TRAINING PROGRAM NOT ADEQUATE
Violation Citation: Personnel training is not adequate to ensure compliance with hazardous waste regulations. CCR 66265.16(a)&(b)
Activity: ACTIVE

Permit Number: 108597
Update Date: 11/02/2012
Inspection Date: 04/17/2003
Violation Code: 6HV0143
Violation: TP NOTIFICATION INCOMPLETE/INCORRECT
Violation Citation: TIERED PERMITTING: TP Notification has incomplete or incorrect information. 25201
Activity: ACTIVE

Permit Number: 108597
Update Date: 11/02/2012
Inspection Date: 06/10/2004
Violation Code: 6HV0402
Violation: TRAINING PROGRAM NOT ADEQUATE
Violation Citation: Personnel training is not adequate to ensure compliance with hazardous waste regulations. CCR 66265.16(a)&(b)

HUES METAL FINISHING INC. (Continued) **1001613135**

Activity: ACTIVE

Permit Number: 108597
Update Date: 11/02/2012
Inspection Date: 04/14/2003
Violation Code: 6HV1501
Violation: NOT ALL UNITS IN TP NOTIFICATION
Violation Citation: TIERED PERMITTING: FACILITY WIDE-Not all units under PBR, CA, and CE are properly indicated on Form DTSC 1772. (Add any new units with unit sheets or correct tier on the unit sheet.)
Activity: ACTIVE

Permit Number: 108597
Update Date: 11/02/2012
Inspection Date: 04/14/2003
Violation Code: 6HV1552
Violation: TP UNIT:WRONG # TANKS/CONTAINERS
Violation Citation: TIERED PERMITTING-ALL UNITS:The unit notification information is not accurate as to the number of tank(s) or container(s).
Activity: ACTIVE

CERS HAZ WASTE:
Name: RMP METAL FINISHING
Address: 977 LINDA VISTA DR
City,State,Zip: SAN MARCOS, CA 92069
Site ID: 400796
CERS ID: 10375831
CERS Description: Hazardous Waste Generator

EMI:
Name: HUES METAL FINISHING INC
Address: 977 LINDA VISTA DR
City,State,Zip: SAN MARCOS, CA 92069
Year: 1990
County Code: 37
Air Basin: SD
Facility ID: 6138
Air District Name: SD
SIC Code: 3479
Air District Name: SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 12
Reactive Organic Gases Tons/Yr: 8
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smllr Tons/Yr: 0

Name: HUES METAL FINISHING INC
Address: 977 LINDA VISTA DR
City,State,Zip: SAN MARCOS, CA 92069
Year: 1993
County Code: 37

HUES METAL FINISHING INC. (Continued) **1001613135**

Air Basin:	SD
Facility ID:	6138
Air District Name:	SD
SIC Code:	3479
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	11
Reactive Organic Gases Tons/Yr:	6
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Name:	HUES METAL FINISHING INC
Address:	977 LINDA VISTA DR
City,State,Zip:	SAN MARCOS, CA 92069
Year:	1995
County Code:	37
Air Basin:	SD
Facility ID:	6138
Air District Name:	SD
SIC Code:	3479
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	11
Reactive Organic Gases Tons/Yr:	6
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Name:	HUES METAL FINISHING INC
Address:	977 LINDA VISTA DR
City,State,Zip:	SAN MARCOS, CA 92069
Year:	1996
County Code:	37
Air Basin:	SD
Facility ID:	6138
Air District Name:	SD
SIC Code:	3479
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	11
Reactive Organic Gases Tons/Yr:	6
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Name:	HUES METAL FINISHING INC
Address:	977 LINDA VISTA DR

HUES METAL FINISHING INC. (Continued) **1001613135**

City,State,Zip:	SAN MARCOS, CA 92069
Year:	1997
County Code:	37
Air Basin:	SD
Facility ID:	6138
Air District Name:	SD
SIC Code:	3479
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	11
Reactive Organic Gases Tons/Yr:	6
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Name:	HUES METAL FINISHING INC.
Address:	977 LINDA VISTA DR
City,State,Zip:	SAN MARCOS, CA 92069
Year:	1998
County Code:	37
Air Basin:	SD
Facility ID:	6138
Air District Name:	SD
SIC Code:	3479
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	1
Reactive Organic Gases Tons/Yr:	1
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Name:	HUES METAL FINISHING INC.
Address:	977 LINDA VISTA DR
City,State,Zip:	SAN MARCOS, CA 92069
Year:	1999
County Code:	37
Air Basin:	SD
Facility ID:	6138
Air District Name:	SD
SIC Code:	3479
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	1
Reactive Organic Gases Tons/Yr:	1
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

HUES METAL FINISHING INC. (Continued) **1001613135**

Name:	HUES METAL FINISHING INC.
Address:	977 LINDA VISTA DR
City,State,Zip:	SAN MARCOS, CA 92069
Year:	2000
County Code:	37
Air Basin:	SD
Facility ID:	6138
Air District Name:	SD
SIC Code:	3479
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	1
Reactive Organic Gases Tons/Yr:	1
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Name:	HUES METAL FINISHING INC.
Address:	977 LINDA VISTA DR
City,State,Zip:	SAN MARCOS, CA 92069
Year:	2001
County Code:	37
Air Basin:	SD
Facility ID:	6138
Air District Name:	SD
SIC Code:	3479
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Y
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	1
Reactive Organic Gases Tons/Yr:	1
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Name:	HUES METAL FINISHING INC.
Address:	977 LINDA VISTA DR
City,State,Zip:	SAN MARCOS, CA 92069
Year:	2002
County Code:	37
Air Basin:	SD
Facility ID:	6138
Air District Name:	SD
SIC Code:	3479
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	5
Reactive Organic Gases Tons/Yr:	2
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0

HUES METAL FINISHING INC. (Continued) **1001613135**

Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smllr Tons/Yr: 0

Name: HUES METAL FINISHING INC.
Address: 977 LINDA VISTA DR
City,State,Zip: SAN MARCOS, CA 92069
Year: 2003
County Code: 37
Air Basin: SD
Facility ID: 6138
Air District Name: SD
SIC Code: 3479
Air District Name: SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 5
Reactive Organic Gases Tons/Yr: 3
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smllr Tons/Yr: 0

Name: HUES METAL FINISHING INC.
Address: 977 LINDA VISTA DR
City,State,Zip: SAN MARCOS, CA 92069
Year: 2004
County Code: 37
Air Basin: SD
Facility ID: 6138
Air District Name: SD
SIC Code: 3479
Air District Name: SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System: Y
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 4.876003848
Reactive Organic Gases Tons/Yr: 3.1947814
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smllr Tons/Yr: 0

Name: HUES METAL FINISHING INC
Address: 977 LINDA VISTA DR
City,State,Zip: SAN MARCOS, CA 92069
Year: 2005
County Code: 37
Air Basin: SD
Facility ID: 6138
Air District Name: SD
SIC Code: 3479
Air District Name: SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 4.85
Reactive Organic Gases Tons/Yr: 3.158

HUES METAL FINISHING INC. (Continued) **1001613135**

Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Name:	HUES METAL FINISHING INC
Address:	977 LINDA VISTA DR
City,State,Zip:	SAN MARCOS, CA 92069
Year:	2006
County Code:	37
Air Basin:	SD
Facility ID:	6138
Air District Name:	SD
SIC Code:	3479
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	6.6
Reactive Organic Gases Tons/Yr:	3.33
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Name:	HUES METAL FINISHING INC
Address:	977 LINDA VISTA DR
City,State,Zip:	SAN MARCOS, CA 92069
Year:	2007
County Code:	37
Air Basin:	SD
Facility ID:	6138
Air District Name:	SD
SIC Code:	3479
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	6.6
Reactive Organic Gases Tons/Yr:	3.33
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Name:	HUES METAL FINISHING INC
Address:	977 LINDA VISTA DR
City,State,Zip:	SAN MARCOS, CA 92069
Year:	2008
County Code:	37
Air Basin:	SD
Facility ID:	6138
Air District Name:	SD
SIC Code:	3479
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported

HUES METAL FINISHING INC. (Continued) **1001613135**

Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	6.6
Reactive Organic Gases Tons/Yr:	3.33
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Name:	HUES METAL FINISHING INC
Address:	977 LINDA VISTA DR
City,State,Zip:	SAN MARCOS, CA 92069
Year:	2009
County Code:	37
Air Basin:	SD
Facility ID:	6138
Air District Name:	SD
SIC Code:	3479
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	6.6100000000000003
Reactive Organic Gases Tons/Yr:	3.3639999999999999
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Name:	HUES METAL FINISHING INC
Address:	977 LINDA VISTA DR
City,State,Zip:	SAN MARCOS, CA 92078
Year:	2010
County Code:	37
Air Basin:	SD
Facility ID:	6138
Air District Name:	SD
SIC Code:	3479
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	7.0499999999999998
Reactive Organic Gases Tons/Yr:	2.9119999999999999
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Name:	HUES METAL FINISHING INC
Address:	977 LINDA VISTA DR
City,State,Zip:	SAN MARCOS, CA 92078
Year:	2013
County Code:	37
Air Basin:	SD
Facility ID:	6138
Air District Name:	SD

HUES METAL FINISHING INC. (Continued) **1001613135**

SIC Code:	3479
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	7.06
Reactive Organic Gases Tons/Yr:	2.922
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Name:	HUES METAL FINISHING INC
Address:	977 LINDA VISTA DR
City,State,Zip:	SAN MARCOS, CA 92078
Year:	2014
County Code:	37
Air Basin:	SD
Facility ID:	6138
Air District Name:	SD
SIC Code:	3479
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	1.73
Reactive Organic Gases Tons/Yr:	0.908
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Name:	HUES METAL FINISHING INC
Address:	977 LINDA VISTA DR
City,State,Zip:	SAN MARCOS, CA 92078
Year:	2015
County Code:	37
Air Basin:	SD
Facility ID:	6138
Air District Name:	SD
SIC Code:	3479
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	1.73
Reactive Organic Gases Tons/Yr:	0.908
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Name:	HUES METAL FINISHING INC
Address:	977 LINDA VISTA DR
City,State,Zip:	SAN MARCOS, CA 92078
Year:	2016
County Code:	37

HUES METAL FINISHING INC. (Continued) **1001613135**

Air Basin:	SD
Facility ID:	6138
Air District Name:	SD
SIC Code:	3479
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	1.73
Reactive Organic Gases Tons/Yr:	0.908
Carbon Monoxide Emissions Tons/Yr:	Not reported
NOX - Oxides of Nitrogen Tons/Yr:	Not reported
SOX - Oxides of Sulphur Tons/Yr:	Not reported
Particulate Matter Tons/Yr:	Not reported
Part. Matter 10 Micrometers and Smllr Tons/Yr:	Not reported

Name:	HUES METAL FINISHING INC
Address:	977 LINDA VISTA DR
City,State,Zip:	SAN MARCOS, CA 92078
Year:	2017
County Code:	37
Air Basin:	SD
Facility ID:	6138
Air District Name:	SD
SIC Code:	3479
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	1.73
Reactive Organic Gases Tons/Yr:	0.908
Carbon Monoxide Emissions Tons/Yr:	Not reported
NOX - Oxides of Nitrogen Tons/Yr:	Not reported
SOX - Oxides of Sulphur Tons/Yr:	Not reported
Particulate Matter Tons/Yr:	Not reported
Part. Matter 10 Micrometers and Smllr Tons/Yr:	Not reported

Name:	HUES METAL FINISHING INC
Address:	977 LINDA VISTA DR
City,State,Zip:	SAN MARCOS, CA 92078
Year:	2018
County Code:	37
Air Basin:	SD
Facility ID:	6138
Air District Name:	SD
SIC Code:	3479
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	1.73
Reactive Organic Gases Tons/Yr:	0.908
Carbon Monoxide Emissions Tons/Yr:	Not reported
NOX - Oxides of Nitrogen Tons/Yr:	Not reported
SOX - Oxides of Sulphur Tons/Yr:	Not reported
Particulate Matter Tons/Yr:	Not reported
Part. Matter 10 Micrometers and Smllr Tons/Yr:	Not reported

Name:	HUES METAL FINISHING INC
Address:	977 LINDA VISTA DR

HUES METAL FINISHING INC. (Continued) **1001613135**

City,State,Zip:	SAN MARCOS, CA 92078
Year:	2019
County Code:	37
Air Basin:	SD
Facility ID:	6138
Air District Name:	SD
SIC Code:	3479
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	1.73
Reactive Organic Gases Tons/Yr:	0.908
Carbon Monoxide Emissions Tons/Yr:	Not reported
NOX - Oxides of Nitrogen Tons/Yr:	Not reported
SOX - Oxides of Sulphur Tons/Yr:	Not reported
Particulate Matter Tons/Yr:	Not reported
Part. Matter 10 Micrometers and Smllr Tons/Yr:	Not reported

Name:	HUES METAL FINISHING INC
Address:	977 LINDA VISTA DR
City,State,Zip:	SAN MARCOS, CA 92078
Year:	2020
County Code:	37
Air Basin:	SD
Facility ID:	6138
Air District Name:	SD
SIC Code:	3479
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	1.73
Reactive Organic Gases Tons/Yr:	0.908
Carbon Monoxide Emissions Tons/Yr:	Not reported
NOX - Oxides of Nitrogen Tons/Yr:	Not reported
SOX - Oxides of Sulphur Tons/Yr:	Not reported
Particulate Matter Tons/Yr:	Not reported
Part. Matter 10 Micrometers and Smllr Tons/Yr:	Not reported

NPDES:

Name:	STONE DEPOT MORE
Address:	977 LINDA VISTA DR SUITE B
City,State,Zip:	SAN MARCOS, CA 92078
Facility Status:	Active
NPDES Number:	CAS000001
Region:	9
Agency Number:	0
Regulatory Measure ID:	541669
Place ID:	Not reported
Order Number:	97-03-DWQ
WDID:	9 37NEC010112
Regulatory Measure Type:	Enrollee
Program Type:	Industrial
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	10/05/2021
Termination Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Discharge Address:	977 LINDA VISTA DR SUITE B

HUES METAL FINISHING INC. (Continued) **1001613135**

Discharge Name:	STONE DEPOT MORE
Discharge City:	San Marcos
Discharge State:	California
Discharge Zip:	92078
Status:	Not reported
Status Date:	Not reported
Operator Name:	Not reported
Operator Address:	Not reported
Operator City:	Not reported
Operator State:	Not reported
Operator Zip:	Not reported

Name:	RMP METAL FINISHING
Address:	977 LINDA VISTA DR
City,State,Zip:	SAN MARCOS, CA 92078
Facility Status:	Active
NPDES Number:	CAS000001
Region:	9
Agency Number:	0
Regulatory Measure ID:	543662
Place ID:	Not reported
Order Number:	97-03-DWQ
WDID:	9 37NEC010365
Regulatory Measure Type:	Enrollee
Program Type:	Industrial
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	12/01/2021
Termination Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Discharge Address:	977 linda vista dr
Discharge Name:	RMP Metal Finishing
Discharge City:	San Marcos
Discharge State:	California
Discharge Zip:	92078
Status:	Not reported
Status Date:	Not reported
Operator Name:	Not reported
Operator Address:	Not reported
Operator City:	Not reported
Operator State:	Not reported
Operator Zip:	Not reported

Name:	STONE DEPOT MORE
Address:	977 LINDA VISTA DR SUITE B
City,State,Zip:	SAN MARCOS, CA 92078
Facility Status:	Not reported
NPDES Number:	Not reported
Region:	Not reported
Agency Number:	Not reported
Regulatory Measure ID:	Not reported
Place ID:	Not reported
Order Number:	Not reported
WDID:	9 37NEC010112
Regulatory Measure Type:	Industrial
Program Type:	Not reported
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	Not reported

HUES METAL FINISHING INC. (Continued) **1001613135**

Termination Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Discharge Address:	Not reported
Discharge Name:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
Status:	Active
Status Date:	10/05/2021
Operator Name:	STONE DEPOT MORE
Operator Address:	977 LINDA VISTA DR SUITE B
Operator City:	San Marcos
Operator State:	California
Operator Zip:	92078

Name:	RMP METAL FINISHING
Address:	977 LINDA VISTA DR
City,State,Zip:	SAN MARCOS, CA 92078
Facility Status:	Not reported
NPDES Number:	Not reported
Region:	Not reported
Agency Number:	Not reported
Regulatory Measure ID:	Not reported
Place ID:	Not reported
Order Number:	Not reported
WDID:	9 37NEC010365
Regulatory Measure Type:	Industrial
Program Type:	Not reported
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Discharge Address:	Not reported
Discharge Name:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
Status:	Active
Status Date:	12/01/2021
Operator Name:	RMP Metal Finishing
Operator Address:	977 linda vista dr
Operator City:	San Marcos
Operator State:	California
Operator Zip:	92078

CIWQS:

Name:	RMP METAL FINISHING
Address:	977 LINDA VISTA DR
City,State,Zip:	SAN MARCOS, CA 92078
Agency:	RMP Metal Finishing
Agency Address:	977 linda vista dr, San Marcos , CA 92078
Place/Project Type:	Industrial - Miscellaneous Metal Ores, NEC
SIC/NAICS:	1099(+)
Region:	9
Program:	INDSTW
Regulatory Measure Status:	Active
Regulatory Measure Type:	Storm water industrial

HUES METAL FINISHING INC. (Continued) **1001613135**

Order Number:	2014-0057-DWQ
WDID:	9 37NEC010365
NPDES Number:	CAS000001
Adoption Date:	Not reported
Effective Date:	12/01/2021
Termination Date:	Not reported
Expiration/Review Date:	Not reported
Design Flow:	Not reported
Major/Minor:	Not reported
Complexity:	Not reported
TTWQ:	Not reported
Enforcement Actions within 5 years:	0
Violations within 5 years:	0
Latitude:	33.13907
Longitude:	-117.18573

Name:	STONE DEPOT MORE
Address:	977 LINDA VISTA DR SUITE B 977 LINDA VISTA DR SUITE B
City,State,Zip:	SAN MARCOS, CA 92078
Agency:	STONE DEPOT MORE
Agency Address:	977 LINDA VISTA DR SUITE B, San Marcos, CA 92078
Place/Project Type:	Industrial - Cut Stone and Stone Products
SIC/NAICS:	3281
Region:	9
Program:	INDSTW
Regulatory Measure Status:	Active
Regulatory Measure Type:	Storm water industrial
Order Number:	2014-0057-DWQ
WDID:	9 37NEC010112
NPDES Number:	CAS000001
Adoption Date:	Not reported
Effective Date:	10/05/2021
Termination Date:	Not reported
Expiration/Review Date:	Not reported
Design Flow:	Not reported
Major/Minor:	Not reported
Complexity:	Not reported
TTWQ:	Not reported
Enforcement Actions within 5 years:	0
Violations within 5 years:	0
Latitude:	33.13913
Longitude:	-117.1858

CERS:

Name:	RMP METAL FINISHING
Address:	977 LINDA VISTA DR
City,State,Zip:	SAN MARCOS, CA 92069
Site ID:	400796
CERS ID:	10375831
CERS Description:	Chemical Storage Facilities

Violations:

Site ID:	400796
Site Name:	RMP METAL FINISHING
Violation Date:	05-24-2019
Citation:	HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)

HUES METAL FINISHING INC. (Continued) **1001613135**

Violation Description: Failure to annually review and electronically certify that the business plan is complete and accurate on or before the annual due date.
Violation Notes: Returned to compliance on 05/24/2019. Inspection Sequence ID:6146000
Violation Division: San Diego County Department of Env Health
Violation Program: HMRRP
Violation Source: CERS,

Site ID: 400796
Site Name: RMP METAL FINISHING
Violation Date: 04-14-2017
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description: Failure to annually review and electronically certify that the business plan is complete and accurate on or before the annual due date.
Violation Notes: Returned to compliance on 09/26/2017.
Violation Division: San Diego County Department of Env Health
Violation Program: HMRRP
Violation Source: CERS,

Site ID: 400796
Site Name: RMP METAL FINISHING
Violation Date: 05-24-2019
Citation: 22 CCR 12 66262.12 - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.12
Violation Description: Failure to obtain an Identification Number prior to treating, storing, disposing of, transporting or offering for transportation any hazardous waste.
Violation Notes: Returned to compliance on 10/11/2019. Inspection Sequence ID:6146000
Violation Division: San Diego County Department of Env Health
Violation Program: HW
Violation Source: CERS,

Site ID: 400796
Site Name: RMP METAL FINISHING
Violation Date: 04-14-2017
Citation: HSC 6.5 25201(a) - California Health and Safety Code, Chapter 6.5, Section(s) 25201(a)
Violation Description: Failure of a storage facility, treatment facility, transfer facility, resource recovery facility, or disposal site to accept, treat, store, or dispose of a hazardous waste at the facility, area, or site, without a hazardous waste facilities permit or other grant of authorization from the department, or a permit-by-rule, conditional authorization, or conditional exemption permit from the CUPA.
Violation Notes: Returned to compliance on 09/26/2017.
Violation Division: San Diego County Department of Env Health
Violation Program: HW
Violation Source: CERS,

Evaluation:
Eval General Type: Compliance Evaluation Inspection
Eval Date: 04-08-2015
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Inspector: Griffith Gary Inspection ID:4092023
Eval Division: San Diego County Department of Env Health

HUES METAL FINISHING INC. (Continued) **1001613135**

Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 04-08-2015
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Inspector: Griffith Gary Inspection ID:4092023
Eval Division: San Diego County Department of Env Health
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 04-14-2017
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Inspector: Griffith Gary Inspection ID:5699598
Eval Division: San Diego County Department of Env Health
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 05-24-2019
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Inspector: Thai Darren Inspection ID:6146000
Eval Division: San Diego County Department of Env Health
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 04-14-2017
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Inspector: Griffith Gary Inspection ID:5699598
Eval Division: San Diego County Department of Env Health
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 05-24-2019
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Inspector: Thai Darren Inspection ID:6146000
Eval Division: San Diego County Department of Env Health
Eval Program: HMRRP
Eval Source: CERS,

Affiliation:
Affiliation Type Desc: Identification Signer
Entity Name: Enrique Perez
Entity Title: Owner
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported

HUES METAL FINISHING INC. (Continued) **1001613135**

Affiliation Phone: ,

Affiliation Type Desc: Document Preparer
Entity Name: Enrique Perez
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Affiliation Type Desc: Parent Corporation
Entity Name: RMP Metal Finishing
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Affiliation Type Desc: CUPA District
Entity Name: San Diego County Env Health Qlty
Entity Title: Not reported
Affiliation Address: PO Box 129261
Affiliation City: San Diego
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 92112-9261
Affiliation Phone: (858) 505-6880,

Affiliation Type Desc: Legal Owner
Entity Name: RMP Metal Finishing LLC
Entity Title: Not reported
Affiliation Address: 977 LINDA VISTA DR
Affiliation City: SAN MARCOS
Affiliation State: CA
Affiliation Country: United States
Affiliation Zip: 92069
Affiliation Phone: (760) 744-5566,

Affiliation Type Desc: Environmental Contact
Entity Name: Enrique Perez
Entity Title: Not reported
Affiliation Address: 977 LINDA VISTA DR
Affiliation City: SAN MARCOS
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 92069
Affiliation Phone: ,

Affiliation Type Desc: Facility Mailing Address
Entity Name: Mailing Address
Entity Title: Not reported
Affiliation Address: 977 LINDA VISTA DR
Affiliation City: SAN MARCOS

HUES METAL FINISHING INC. (Continued) **1001613135**

Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 92069
Affiliation Phone: ,

Affiliation Type Desc: Operator
Entity Name: Enrique Perez
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: (760) 744-5566,

Name: RMP METAL FINISHING
Address: 977 LINDA VISTA DR
City,State,Zip: SAN MARCOS, CA 92078
Site ID: 598335
CERS ID: 899852
CERS Description: Industrial Facility Storm Water

Affiliation:
Affiliation Type Desc: Owner/Operator
Entity Name: RMP Metal Finishing
Entity Title: Operator
Affiliation Address: 977 linda vista dr
Affiliation City: San Marcos
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 92078
Affiliation Phone: ,

Name: HUES METAL FINISHING INC
Address: 977 LINDA VISTA DR
City,State,Zip: SAN MARCOS, CA 92078-2611
Site ID: 473019
CERS ID: 110001187509
CERS Description: US EPA Air Emission Inventory System (EIS)

Name: STONE DEPOT MORE
Address: 977 LINDA VISTA DR SUITE B
City,State,Zip: SAN MARCOS, CA 92078
Site ID: 595100
CERS ID: 898280
CERS Description: Industrial Facility Storm Water

Affiliation:
Affiliation Type Desc: Owner/Operator
Entity Name: STONE DEPOT MORE
Entity Title: Operator
Affiliation Address: 977 LINDA VISTA DR SUITE B
Affiliation City: San Marcos
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 92078

HUES METAL FINISHING INC. (Continued) **1001613135**

Affiliation Phone: ,

HWTS:

Name:	RMP METAL FINISHING
Address:	977 LINDA VISTA DR
Address 2:	Not reported
City,State,Zip:	SAN MARCOS, CA 92078
EPA ID:	CAL000408875
Inactive Date:	06/30/2016
Create Date:	07/31/2015
Last Act Date:	Not reported
Mailing Name:	Not reported
Mailing Address:	977 LINDA VISTA DR
Mailing Address 2:	Not reported
Mailing City,State,Zip:	SAN MARCOS, CA 92078
Owner Name:	ENRIQUE PEREZ
Owner Address:	977 LINDA VISTA DR
Owner Address 2:	Not reported
Owner City,State,Zip:	SAN MARCOS, CA 92078
Contact Name:	ENRIQUE PEREZ
Contact Address:	977 LINDA VISTA DR
Contact Address 2:	Not reported
City,State,Zip:	SAN MARCOS, CA 92078
Facility Status:	Inactive
Facility Type:	PERMANENT
Category:	STATE
Latitude:	33.137892
Longitude:	-117.1853235

NAICS:

EPA ID:	CAL000408875
Create Date:	2015-07-31 08:41:40.130
NAICS Code:	339914
NAICS Description:	Costume Jewelry and Novelty Manufacturing
Issued EPA ID Date:	2015-07-31 08:41:40.12300
Inactive Date:	2016-06-30 00:00:00
Facility Name:	RMP METAL FINISHING
Facility Address:	977 LINDA VISTA DR
Facility Address 2:	Not reported
Facility City:	SAN MARCOS
Facility County:	Not reported
Facility State:	CA
Facility Zip:	92078

A56 **TRANSCONNECTION** **EDR Hist Auto** **1020822642**
SSE **969 LINDA VISTA DR** **N/A**
< 1/8 **SAN MARCOS, CA 92069**
0.020 mi.
103 ft. **Site 15 of 15 in cluster A**

Relative: EDR Hist Auto
Higher

Actual: **544 ft.**

Year:	Name:	Type:
1997	TRANSCONNECTION	Automotive Transmission Repair Shops
1998	TRANSCONNECTION	Automotive Transmission Repair Shops

B57 **CHURCHS PEST REMOVERS** **RCRA-SQG** **1000354485**
SW **1015 LINDA VISTA DR BLDG B** **FINDS** **CAD981433725**
< 1/8 **SAN MARCOS, CA 92069** **ECHO**
0.021 mi.
111 ft. **Site 10 of 16 in cluster B**

Relative: **Lower**
Actual: **540 ft.**

RCRA Listings:

Date Form Received by Agency:		19960901
Handler Name:	CHURCHS PEST REMOVERS	
Handler Address:		1015 LINDA VISTA DR BLDG B
Handler City,State,Zip:		SAN MARCOS, CA 92069
EPA ID:		CAD981433725
Contact Name:		Not reported
Contact Address:		Not reported
Contact City,State,Zip:		Not reported
Contact Telephone:		Not reported
Contact Fax:		Not reported
Contact Email:		Not reported
Contact Title:		Not reported
EPA Region:		09
Land Type:		Not reported
Federal Waste Generator Description:		Small Quantity Generator
Non-Notifier:		Not reported
Biennial Report Cycle:		Not reported
Accessibility:		Not reported
Active Site Indicator:		Handler Activities
State District Owner:		CA
State District:		4
Mailing Address:		LINDA VISTA DR BLDG B
Mailing City,State,Zip:		SAN MARCOS, CA 92069
Owner Name:	SOUTHWEST GROWERS	
Owner Type:		Private
Operator Name:	NOT REQUIRED	
Operator Type:		Private
Short-Term Generator Activity:		No
Importer Activity:		No
Mixed Waste Generator:		No
Transporter Activity:		No
Transfer Facility Activity:		No
Recycler Activity with Storage:		No
Small Quantity On-Site Burner Exemption:		No
Smelting Melting and Refining Furnace Exemption:		No
Underground Injection Control:		No
Off-Site Waste Receipt:		No
Universal Waste Indicator:		No
Universal Waste Destination Facility:		No
Federal Universal Waste:		No
Active Site Fed-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site Converter Treatment storage and Disposal Facility:		Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site State-Reg Handler:		---
Federal Facility Indicator:		Not reported
Hazardous Secondary Material Indicator:		NN
Sub-Part K Indicator:		Not reported
Commercial TSD Indicator:		No
Treatment Storage and Disposal Type:		Not reported
2018 GPRA Permit Baseline:		Not on the Baseline
2018 GPRA Renewals Baseline:		Not on the Baseline
Permit Renewals Workload Universe:		Not reported

CHURCHS PEST REMOVERS (Continued) **1000354485**

Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20000915
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	Not reported
Manifest Broker:	Not reported
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name: SOUTHWEST GROWERS	
Legal Status:	Private
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	NOT REQUIRED
Owner/Operator City,State,Zip:	NOT REQUIRED, ME 99999
Owner/Operator Telephone:	415-555-1212
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name: NOT REQUIRED	
Legal Status:	Private
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	NOT REQUIRED
Owner/Operator City,State,Zip:	NOT REQUIRED, ME 99999
Owner/Operator Telephone:	415-555-1212
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

CHURCHS PEST REMOVERS (Continued) **1000354485**

Historic Generators:
Receive Date: 19960901
Handler Name: CHURCHS PEST REMOVERS
Federal Waste Generator Description: Small Quantity Generator
State District Owner: CA
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Codes: No NAICS Codes Found

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

FINDS:
Registry ID: 110002703575

Click Here for FRS Facility Detail Report:

Environmental Interest/Information System:
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:
Envid: 1000354485
Registry ID: 110002703575
DFR URL: http://echo.epa.gov/detailed-facility-report?fid=110002703575
Name: CHURCHS PEST REMOVERS
Address: 1015 LINDA VISTA DR BLDG B
City,State,Zip: SAN MARCOS, CA 92069

B58
SW
< 1/8
0.021 mi.
111 ft.

PARKSON DIVISION
1015 LINDA VISTA DR
SAN MARCOS, CA 92069

Site 11 of 16 in cluster B

San Diego Co. HMMD
HIST UST

U001572218
N/A

Relative:
Lower

Actual:
540 ft.

HMMD SAN DIEGO:

Name:	CROP PRODUCTION SERVICE, INC
Address:	1015 LINDA VISTA DR
City,State,Zip:	SAN MARCOS, CA 92078
Permit Number:	210762
Business Type:	6HK39
EPA Id Number:	Not reported
APN:	219-330-62-00
Last HMMD Inspection:	08/16/2011
Facility Telephone:	760-744-2514
Permit Status:	OPEN
Permit Expiration:	09/30/2013
Date Last Updated:	11/02/2012
Facility Owner:	CROP PRODUCTION SERVICES, INC.
Facility Mailing Address:	1015 LINDA VISTA DR #B
Facility Mailing City:	SAN MARCOS
Facility Mailing State:	CA
Facility Mailing Zip:	92078
UST Owner:	Not reported
Handle Regulated Hazmat:	Y
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Y
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

Inventory Active Permits (not SQG Medical):

Permit Number:	210762
Update Date:	11/02/2012
Case Number:	39148-24-8
Name:	ALLIETTE (ALUMINUM TRIS 80%): FUNGICIDE
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	ACUTE
Hazardous Categories 2:	Not reported

Permit Number:	210762
Update Date:	11/02/2012
Case Number:	6484-52-2
Name:	AMMONIUM NITRATE LIQUID FERTILIZER SOLUTION 20-0-0
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	ACUTE
Hazardous Categories 2:	Not reported

Permit Number:	210762
Update Date:	11/02/2012
Case Number:	10124-37-5
Name:	CALCIUM NITRATE
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

PARKSON DIVISION (Continued) **U001572218**

Permit Number:	210762
Update Date:	11/02/2012
Case Number:	10124-37-5
Name:	CALCIUM NITRATE LIQUID FERTILIZER SOLUTION
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	ACUTE
Hazardous Categories 2:	Not reported

Permit Number:	210762
Update Date:	11/02/2012
Case Number:	76-06-2
Name:	CHLOROPICRIN GAS
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	PRESSURE RELEASE
Hazardous Categories 2:	EXTREMELY HAZARDOUS

Permit Number:	210762
Update Date:	11/02/2012
Case Number:	60-51-5
Name:	DIMETHOATE 2.67 (DIMETHOATE 30.5%) AHM
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	ACUTE
Hazardous Categories 2:	EXTREMELY HAZARDOUS

Permit Number:	210762
Update Date:	11/02/2012
Case Number:	8018-01-7
Name:	DITHANE TT-0 (MANCOZEB 80-85%)
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	FIRE
Hazardous Categories 2:	ACUTE

Permit Number:	210762
Update Date:	11/02/2012
Case Number:	732-11-6
Name:	IMIDAN 70 WSP (PHOSMET 50%)AHM
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	ACUTE
Hazardous Categories 2:	EXTREMELY HAZARDOUS

Permit Number:	210762
Update Date:	11/02/2012
Case Number:	7786-34-7
Name:	METHYL BROMIDE 99.5% - AHM & CHLOROPICRIN MIXTURE
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	EXTREMELY HAZARDOUS
Hazardous Categories 2:	Not reported

Permit Number:	210762
Update Date:	11/02/2012
Case Number:	MIXTURE

PARKSON DIVISION (Continued) **U001572218**

Name: MISCELLANEOUS BAGGED FERTILIZER
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: ACUTE
Hazardous Categories 2: Not reported

Permit Number: 210762
Update Date: 11/02/2012
Case Number: MIXTURE
Name: MISCELLANEOUS LIQUID FUNGICIDES, RETAIL SALE
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: ACUTE
Hazardous Categories 2: Not reported

Permit Number: 210762
Update Date: 11/02/2012
Case Number: MIXTURE
Name: MISCELLANEOUS LIQUID HERBICIDES, RETAIL SALE
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: ACUTE
Hazardous Categories 2: Not reported

Permit Number: 210762
Update Date: 11/02/2012
Case Number: MIXTURE
Name: MISCELLANEOUS LIQUID INSECTICIDES, RETAIL SALE
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: ACUTE
Hazardous Categories 2: Not reported

Permit Number: 210762
Update Date: 11/02/2012
Case Number: MIXTURE
Name: MISCELLANEOUS SOLID (POWDERED) FUNGICIDES, RETAIL SALE
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: ACUTE
Hazardous Categories 2: Not reported

Permit Number: 210762
Update Date: 11/02/2012
Case Number: MIXTURE
Name: MISCELLANEOUS SOLID (POWDERED) HERBICIDES, RETAIL SALE
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: ACUTE
Hazardous Categories 2: Not reported

Permit Number: 210762
Update Date: 11/02/2012
Case Number: MIXTURE
Name: MISCELLANEOUS SOLID (POWDERED) INSECTICIDES, RETAIL SALE
Other Information: Not reported
Material Waste: Material

PARKSON DIVISION (Continued) **U001572218**

Hazardous Categories 1: ACUTE
Hazardous Categories 2: Not reported

Permit Number: 210762
Update Date: 11/02/2012
Case Number: 7664-93-9
Name: N-PHURIC 15/49 LIQUID FERTILIZER (SULFURIC ACID)
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: EXTREMELY HAZARDOUS
Hazardous Categories 2: Not reported

Permit Number: 210762
Update Date: 11/02/2012
Case Number: 7757-79-1
Name: POTASSIUM NITRATE
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: ACUTE
Hazardous Categories 2: Not reported

Permit Number: 210762
Update Date: 11/02/2012
Case Number: 74-98-6
Name: PROPANE COMPRESSED GAS
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: PRESSURE RELEASE
Hazardous Categories 2: Not reported

Permit Number: 210762
Update Date: 11/02/2012
Case Number: MIXTURE
Name: PYRELLIN E.C.: PYRETHRIN, INSECTICIDE
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: CHRONIC
Hazardous Categories 2: Not reported

Permit Number: 210762
Update Date: 11/02/2012
Case Number: MIXTURE
Name: RED GLUE E-850 (ETHANOL BASE GLUE)
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: Not reported

Permit Number: 210762
Update Date: 11/02/2012
Case Number: 19666-30-9
Name: RONSTAR G (OXADIAZON 2%): HERBICIDE
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: ACUTE
Hazardous Categories 2: CHRONIC

PARKSON DIVISION (Continued) **U001572218**

Permit Number:	210762
Update Date:	11/02/2012
Case Number:	38641-94-0
Name:	ROUNDUP (GLYPHOSATE, N-PHOSPHONOMETHYLGLYCINE)
Other Information:	LIQUID & SOLID: 41% CONC.
Material Waste:	Material
Hazardous Categories 1:	ACUTE
Hazardous Categories 2:	Not reported

Permit Number:	210762
Update Date:	11/02/2012
Case Number:	72623-84-8
Name:	SEVERELY HYDROTREATED PARAFFINIC OIL
Other Information:	STYLET OIL
Material Waste:	Material
Hazardous Categories 1:	FIRE
Hazardous Categories 2:	Not reported

Permit Number:	210762
Update Date:	11/02/2012
Case Number:	63-25-2
Name:	SEVIN 5% BAIT (CARBARYL 5%)
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	ACUTE
Hazardous Categories 2:	CHRONIC

Permit Number:	210762
Update Date:	11/02/2012
Case Number:	63-25-2
Name:	SEVIN 80S (CARBARYL 80%)
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	ACUTE
Hazardous Categories 2:	CHRONIC

Permit Number:	210762
Update Date:	11/02/2012
Case Number:	7664-93-9
Name:	SULFURIC ACID, LIQUID FERTILIZER GRADE AHM
Other Information:	OIL OF VITROL
Material Waste:	Material
Hazardous Categories 1:	EXTREMELY HAZARDOUS
Hazardous Categories 2:	Not reported

Permit Number:	210762
Update Date:	11/02/2012
Case Number:	10124-37-5
Name:	UREA-NITROGEN LIQUID FERTILIZER SOLUTION (UN 32)
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	ACUTE
Hazardous Categories 2:	Not reported

Permit Number:	210762
Update Date:	11/02/2012
Case Number:	23135-22-0

PARKSON DIVISION (Continued) **U001572218**

Name: VYDATE L (OXAMYL 24%) AHM
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: Not reported

Permit Number: 210762
Update Date: 11/02/2012
Case Number: 7664-38-2
Name: WHITE PHOSPHORIC ACID 54.5%
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: EXTREMELY HAZARDOUS
Hazardous Categories 2: Not reported

Permit Number: 210762
Update Date: 11/02/2012
Case Number: 7664-38-2
Name: WHITE PHOSPHORIC ACID LIQUID FERTILIZER
Other Information: SOLUTION (6500 GAL)
Material Waste: Material
Hazardous Categories 1: ACUTE
Hazardous Categories 2: Not reported

Permit Number: 210762
Update Date: 11/02/2012
Case Number: 57-24-9
Name: WILCO GOPHER BAIT (STRYCHNINE ALKALOID DFX 0.05%) AHM
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: EXTREMELY HAZARDOUS
Hazardous Categories 2: Not reported

Violations Active Permits:
Permit Number: 210762
Update Date: 11/02/2012
Inspection Date: 08/16/2011
Violation Code: 6HV1014
Violation: HMBP INCOMPLETE/NOT AMENDED
Violation Citation: HMBP is incomplete/inadequate/not amended to reflect changes. 25504, 25505(a)(2) &/or 25509(a); 25505(b); 19 CCR 2729
Activity: ACTIVE

Permit Number: 210762
Update Date: 11/02/2012
Inspection Date: 08/16/2011
Violation Code: 6HV0224
Violation: MISMANAGED EMPTY CONTAINERS >5GALS.
Violation Citation: Failed to mark date on empty container larger than 5 gallons and/or manage it within one year. 66261.7(e) & (f).
Activity: ACTIVE

Name: CROP PRODUCTION SERVICE, INC
Address: 1015 LINDA VISTA DR
City,State,Zip: SAN MARCOS, CA 92078
Permit Number: 210762

PARKSON DIVISION (Continued) **U001572218**

Business Type:	6HK39
EPA Id Number:	Not reported
APN:	219-330-62-00
Last HMMD Inspection:	08/16/2011
Facility Telephone:	760-744-2514
Permit Status:	OPEN
Permit Expiration:	09/30/2013
Date Last Updated:	11/02/2012
Facility Owner:	CROP PRODUCTION SERVICES, INC.
Facility Mailing Address:	1015 LINDA VISTA DR #B
Facility Mailing City:	SAN MARCOS
Facility Mailing State:	CA
Facility Mailing Zip:	92078
UST Owner:	Not reported
Handle Regulated Hazmat:	Y
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Y
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

Inventory Active Permits (not SQG Medical):

Permit Number:	210762
Update Date:	11/02/2012
Case Number:	39148-24-8
Name:	ALLIETTE (ALUMINUM TRIS 80%): FUNGICIDE
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	ACUTE
Hazardous Categories 2:	Not reported

Permit Number:	210762
Update Date:	11/02/2012
Case Number:	6484-52-2
Name:	AMMONIUM NITRATE LIQUID FERTILIZER SOLUTION 20-0-0
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	ACUTE
Hazardous Categories 2:	Not reported

Permit Number:	210762
Update Date:	11/02/2012
Case Number:	10124-37-5
Name:	CALCIUM NITRATE
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Permit Number:	210762
Update Date:	11/02/2012
Case Number:	10124-37-5
Name:	CALCIUM NITRATE LIQUID FERTILIZER SOLUTION
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	ACUTE
Hazardous Categories 2:	Not reported

PARKSON DIVISION (Continued) **U001572218**

Permit Number:	210762
Update Date:	11/02/2012
Case Number:	76-06-2
Name:	CHLOROPICRIN GAS
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	PRESSURE RELEASE
Hazardous Categories 2:	EXTREMELY HAZARDOUS

Permit Number:	210762
Update Date:	11/02/2012
Case Number:	60-51-5
Name:	DIMETHOATE 2.67 (DIMETHOATE 30.5%) AHM
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	ACUTE
Hazardous Categories 2:	EXTREMELY HAZARDOUS

Permit Number:	210762
Update Date:	11/02/2012
Case Number:	8018-01-7
Name:	DITHANE TT-0 (MANCOZEB 80-85%)
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	FIRE
Hazardous Categories 2:	ACUTE

Permit Number:	210762
Update Date:	11/02/2012
Case Number:	732-11-6
Name:	IMIDAN 70 WSP (PHOSMET 50%)AHM
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	ACUTE
Hazardous Categories 2:	EXTREMELY HAZARDOUS

Permit Number:	210762
Update Date:	11/02/2012
Case Number:	7786-34-7
Name:	METHYL BROMIDE 99.5% - AHM & CHLOROPICRIN MIXTURE
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	EXTREMELY HAZARDOUS
Hazardous Categories 2:	Not reported

Permit Number:	210762
Update Date:	11/02/2012
Case Number:	MIXTURE
Name:	MISCELLANEOUS BAGGED FERTILIZER
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	ACUTE
Hazardous Categories 2:	Not reported

Permit Number:	210762
Update Date:	11/02/2012
Case Number:	MIXTURE

PARKSON DIVISION (Continued) **U001572218**

Name: MISCELLANEOUS LIQUID FUNGICIDES, RETAIL SALE
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: ACUTE
Hazardous Categories 2: Not reported

Permit Number: 210762
Update Date: 11/02/2012
Case Number: MIXTURE
Name: MISCELLANEOUS LIQUID HERBICIDES, RETAIL SALE
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: ACUTE
Hazardous Categories 2: Not reported

Permit Number: 210762
Update Date: 11/02/2012
Case Number: MIXTURE
Name: MISCELLANEOUS LIQUID INSECTICIDES, RETAIL SALE
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: ACUTE
Hazardous Categories 2: Not reported

Permit Number: 210762
Update Date: 11/02/2012
Case Number: MIXTURE
Name: MISCELLANEOUS SOLID (POWDERED) FUNGICIDES, RETAIL SALE
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: ACUTE
Hazardous Categories 2: Not reported

Permit Number: 210762
Update Date: 11/02/2012
Case Number: MIXTURE
Name: MISCELLANEOUS SOLID (POWDERED) HERBICIDES, RETAIL SALE
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: ACUTE
Hazardous Categories 2: Not reported

Permit Number: 210762
Update Date: 11/02/2012
Case Number: MIXTURE
Name: MISCELLANEOUS SOLID (POWDERED) INSECTICIDES, RETAIL SALE
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: ACUTE
Hazardous Categories 2: Not reported

Permit Number: 210762
Update Date: 11/02/2012
Case Number: 7664-93-9
Name: N-PHURIC 15/49 LIQUID FERTILIZER (SULFURIC ACID)
Other Information: Not reported
Material Waste: Material

PARKSON DIVISION (Continued) **U001572218**

Hazardous Categories 1: EXTREMELY HAZARDOUS
Hazardous Categories 2: Not reported

Permit Number: 210762
Update Date: 11/02/2012
Case Number: 7757-79-1
Name: POTASSIUM NITRATE
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: ACUTE
Hazardous Categories 2: Not reported

Permit Number: 210762
Update Date: 11/02/2012
Case Number: 74-98-6
Name: PROPANE COMPRESSED GAS
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: PRESSURE RELEASE
Hazardous Categories 2: Not reported

Permit Number: 210762
Update Date: 11/02/2012
Case Number: MIXTURE
Name: PYRELLIN E.C.: PYRETHRIN, INSECTICIDE
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: CHRONIC
Hazardous Categories 2: Not reported

Permit Number: 210762
Update Date: 11/02/2012
Case Number: MIXTURE
Name: RED GLUE E-850 (ETHANOL BASE GLUE)
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: Not reported

Permit Number: 210762
Update Date: 11/02/2012
Case Number: 19666-30-9
Name: RONSTAR G (OXADIAZON 2%): HERBICIDE
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: ACUTE
Hazardous Categories 2: CHRONIC

Permit Number: 210762
Update Date: 11/02/2012
Case Number: 38641-94-0
Name: ROUNDUP (GLYPHOSATE, N-PHOSPHONOMETHYLGLYCINE)
Other Information: LIQUID & SOLID: 41% CONC.
Material Waste: Material
Hazardous Categories 1: ACUTE
Hazardous Categories 2: Not reported

PARKSON DIVISION (Continued) **U001572218**

Permit Number: 210762
Update Date: 11/02/2012
Case Number: 72623-84-8
Name: SEVERELY HYDROTREATED PARAFFINIC OIL
Other Information: STYLET OIL
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: Not reported

Permit Number: 210762
Update Date: 11/02/2012
Case Number: 63-25-2
Name: SEVIN 5% BAIT (CARBARYL 5%)
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: ACUTE
Hazardous Categories 2: CHRONIC

Permit Number: 210762
Update Date: 11/02/2012
Case Number: 63-25-2
Name: SEVIN 80S (CARBARYL 80%)
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: ACUTE
Hazardous Categories 2: CHRONIC

Permit Number: 210762
Update Date: 11/02/2012
Case Number: 7664-93-9
Name: SULFURIC ACID, LIQUID FERTILIZER GRADE AHM
Other Information: OIL OF VITROL
Material Waste: Material
Hazardous Categories 1: EXTREMELY HAZARDOUS
Hazardous Categories 2: Not reported

Permit Number: 210762
Update Date: 11/02/2012
Case Number: 10124-37-5
Name: UREA-NITROGEN LIQUID FERTILIZER SOLUTION (UN 32)
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: ACUTE
Hazardous Categories 2: Not reported

Permit Number: 210762
Update Date: 11/02/2012
Case Number: 23135-22-0
Name: VYDATE L (OXAMYL 24%) AHM
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: Not reported

Permit Number: 210762
Update Date: 11/02/2012
Case Number: 7664-38-2

PARKSON DIVISION (Continued) **U001572218**

Name: WHITE PHOSPHORIC ACID 54.5%
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: EXTREMELY HAZARDOUS
Hazardous Categories 2: Not reported

Permit Number: 210762
Update Date: 11/02/2012
Case Number: 7664-38-2
Name: WHITE PHOSPHORIC ACID LIQUID FERTILIZER
Other Information: SOLUTION (6500 GAL)
Material Waste: Material
Hazardous Categories 1: ACUTE
Hazardous Categories 2: Not reported

Permit Number: 210762
Update Date: 11/02/2012
Case Number: 57-24-9
Name: WILCO GOPHER BAIT (STRYCHNINE ALKALOID DFX 0.05%) AHM
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: EXTREMELY HAZARDOUS
Hazardous Categories 2: Not reported

Violations Active Permits:
Permit Number: 210762
Update Date: 11/02/2012
Inspection Date: 08/16/2011
Violation Code: 6HV1014
Violation: HMBP INCOMPLETE/NOT AMENDED
Violation Citation: HMBP is incomplete/inadequate/not amended to reflect changes. 25504, 25505(a)(2) &/or 25509(a); 25505(b); 19 CCR 2729
Activity: ACTIVE

Permit Number: 210762
Update Date: 11/02/2012
Inspection Date: 08/16/2011
Violation Code: 6HV0224
Violation: MISMANAGED EMPTY CONTAINERS >5GALS.
Violation Citation: Failed to mark date on empty container larger than 5 gallons and/or manage it within one year. 66261.7(e) & (f).
Activity: ACTIVE

HIST UST:
Name: PARKSON DIVISION
Address: 1015 LINDA VISTA DR
City,State,Zip: SAN MARCOS, CA 92069
File Number: 0002ADA7
URL: http://geotracker.waterboards.ca.gov/ustpdfs/pdf/0002ADA7.pdf
Region: STATE
Facility ID: 00000006924
Facility Type: Other
Other Type: PIPELINE SALES
Contact Name: PHIL GRIMES
Telephone: 6197445335

PARKSON DIVISION (Continued) **U001572218**

Owner Name: CERTAINTEED CORP.
Owner Address: 14000 FIRESTONE BLVD.
Owner City,St,Zip: SANTA FE SPRINGS, CA 92069
Total Tanks: 0001

Tank Num: 001
Container Num: 1
Year Installed: 1973
Tank Capacity: 00001000
Tank Used for: PRODUCT
Type of Fuel: UNLEADED
Container Construction Thickness: Not reported
Leak Detection: Visual, Stock Inventor

Click here for Geo Tracker PDF:

B59 **ADVANCED HONEYCOMB TECH.,INC** **CERS HAZ WASTE** **S123509110**
SW **1015 LINDA VISTA DR BLDG C** **CERS** **N/A**
< 1/8 **SAN MARCOS, CA 92078**
0.021 mi.
111 ft. **Site 12 of 16 in cluster B**

Relative: **Lower**
Actual: **540 ft.**

CERS HAZ WASTE:
Name: ADVANCED HONEYCOMB TECH.,INC
Address: 1015 LINDA VISTA DR BLDG C
City,State,Zip: SAN MARCOS, CA 92078
Site ID: 3236
CERS ID: 10375927
CERS Description: Hazardous Waste Generator

CERS:
Name: ADVANCED HONEYCOMB TECH.,INC
Address: 1015 LINDA VISTA DR BLDG C
City,State,Zip: SAN MARCOS, CA 92078
Site ID: 3236
CERS ID: 10375927
CERS Description: Chemical Storage Facilities

Violations:
Site ID: 3236
Site Name: ADVANCED HONEYCOMB TECH.,INC
Violation Date: 07-28-2016
Citation: 22 CCR 12 66262.12 - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.12
Violation Description: Failure to obtain an Identification Number prior to treating, storing, disposing of, transporting or offering for transportation any hazardous waste.
Violation Notes: Returned to compliance on 09/23/2016.
Violation Division: San Diego County Department of Env Health
Violation Program: HW
Violation Source: CERS,

Site ID: 3236
Site Name: ADVANCED HONEYCOMB TECH.,INC
Violation Date: 07-28-2016
Citation: HSC 6.95 25508.1(a)-(f) - California Health and Safety Code, Chapter 6.95, Section(s) 25508.1(a)-(f)
Violation Description: Failure to electronically update business plan within 30 days of any

ADVANCED HONEYCOMB TECH.,INC (Continued) **S123509110**

one of the following events: A 100 percent or more increase in the quantity of a previously disclosed material. Any handling of a previously undisclosed hazardous materials at or above reportable quantities. A change of business address, business ownership, or business name. A substantial change in the handler's operations that requires modification to any portion of the business plan.

Violation Notes: Returned to compliance on 07/28/2016.
Violation Division: San Diego County Department of Env Health
Violation Program: HMRRP
Violation Source: CERS,

Evaluation:
Eval General Type: Compliance Evaluation Inspection
Eval Date: 02-17-2021
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Inspector: Valdez Kevin Inspection ID:6470441
Eval Division: San Diego County Department of Env Health
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 07-28-2016
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Inspector: Calcagno Leonardo Inspection ID:5416004
Eval Division: San Diego County Department of Env Health
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 06-26-2018
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Inspector: Kieu Bridget Inspection ID:5957534
Eval Division: San Diego County Department of Env Health
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 06-26-2018
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Inspector: Kieu Bridget Inspection ID:5957534
Eval Division: San Diego County Department of Env Health
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 07-28-2016
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Inspector: Calcagno Leonardo Inspection ID:5416004
Eval Division: San Diego County Department of Env Health
Eval Program: HMRRP
Eval Source: CERS,

ADVANCED HONEYCOMB TECH.,INC (Continued) **S123509110**

Affiliation:

Affiliation Type Desc:	Environmental Contact
Entity Name:	Mehmet Yagli
Entity Title:	Not reported
Affiliation Address:	1015 LINDA VISTA DR
Affiliation City:	SAN MARCOS
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92078
Affiliation Phone:	,

Affiliation Type Desc:	Identification Signer
Entity Name:	dave michaels
Entity Title:	Quality Manager
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,

Affiliation Type Desc:	CUPA District
Entity Name:	San Diego County Env Health Qlty
Entity Title:	Not reported
Affiliation Address:	PO Box 129261
Affiliation City:	San Diego
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92112-9261
Affiliation Phone:	(858) 505-6880,

Affiliation Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	Not reported
Affiliation Address:	1015 LINDA VISTA DR Building C
Affiliation City:	SAN MARCOS
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92078
Affiliation Phone:	,

Affiliation Type Desc:	Operator
Entity Name:	ADVANCED HONEYCOMB TECH.,INC
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	(760) 744-3200,

Affiliation Type Desc:	Parent Corporation
Entity Name:	ADVANCED HONEYCOMB TECH.,INC
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported

ADVANCED HONEYCOMB TECH.,INC (Continued) **S123509110**

Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,
Affiliation Type Desc:	Document Preparer
Entity Name:	dave michaels
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,
Affiliation Type Desc:	Legal Owner
Entity Name:	Kordsa Inc.
Entity Title:	Not reported
Affiliation Address:	1015 LINDA VISTA DR
Affiliation City:	SAN MARCOS
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	92078
Affiliation Phone:	(760) 744-3200,
Affiliation Type Desc:	Property Owner
Entity Name:	Don Hubbard/Hubbard Properties
Entity Title:	Not reported
Affiliation Address:	1015 Linda Vista Drive Building A
Affiliation City:	San Marcos
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	92078
Affiliation Phone:	(760) 732-3241,

B60 **ADVANCED HONEYCOMB TECHNOLOGIES CORP** **RCRA NonGen / NLR** **1025876614**
SW **1015 LINDA VISTA DR BLDG C** **CAL000449750**
< 1/8 **SAN MARCOS, CA 92078**
0.021 mi.
111 ft. **Site 13 of 16 in cluster B**

Relative: RCRA Listings:
Lower

Date Form Received by Agency:	20191008
Handler Name:	ADVANCED HONEYCOMB TECHNOLOGIES CORP
Handler Address:	1015 LINDA VISTA DR BLDG C
Handler City,State,Zip:	SAN MARCOS, CA 92078
EPA ID:	CAL000449750
Contact Name:	MEHMET YAGLI
Contact Address:	1015 LINDA VISTA DR BLDG C
Contact City,State,Zip:	SAN MARCOS, CA 92078
Contact Telephone:	760-744-3200
Contact Fax:	760-744-4205
Contact Email:	MEHMET@AHTINC.COM
Contact Title:	Not reported
EPA Region:	09
Land Type:	Not reported
Federal Waste Generator Description:	Not a generator, verified
Non-Notifier:	Not reported

Actual:
540 ft.

ADVANCED HONEYCOMB TECHNOLOGIES CORP (Continued) **1025876614**

Biennial Report Cycle:		Not reported
Accessibility:		Not reported
Active Site Indicator:		Not reported
State District Owner:		Not reported
State District:		Not reported
Mailing Address:		1015 LINDA VISTA DR BLDG C
Mailing City,State,Zip:		SAN MARCOS, CA 92078
Owner Name:	KORDSA INC	
Owner Type:		Other
Operator Name:	MEHMET YAGLI	
Operator Type:		Other
Short-Term Generator Activity:		No
Importer Activity:		No
Mixed Waste Generator:		No
Transporter Activity:		No
Transfer Facility Activity:		No
Recycler Activity with Storage:		No
Small Quantity On-Site Burner Exemption:		No
Smelting Melting and Refining Furnace Exemption:		No
Underground Injection Control:		No
Off-Site Waste Receipt:		No
Universal Waste Indicator:		No
Universal Waste Destination Facility:		No
Federal Universal Waste:		No
Active Site Fed-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site Converter Treatment storage and Disposal Facility:		Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site State-Reg Handler:		---
Federal Facility Indicator:		Not reported
Hazardous Secondary Material Indicator:		N
Sub-Part K Indicator:		Not reported
Commercial TSD Indicator:		No
Treatment Storage and Disposal Type:		Not reported
2018 GPRA Permit Baseline:		Not on the Baseline
2018 GPRA Renewals Baseline:		Not on the Baseline
Permit Renewals Workload Universe:		Not reported
Permit Workload Universe:		Not reported
Permit Progress Universe:		Not reported
Post-Closure Workload Universe:		Not reported
Closure Workload Universe:		Not reported
202 GPRA Corrective Action Baseline:		No
Corrective Action Workload Universe:		No
Subject to Corrective Action Universe:		No
Non-TSDFs Where RCRA CA has Been Imposed Universe:		No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:		No
TSDFs Only Subject to CA under Discretionary Auth Universe:		No
Corrective Action Priority Ranking:		No NCAPS ranking
Environmental Control Indicator:		No
Institutional Control Indicator:		No
Human Exposure Controls Indicator:		N/A
Groundwater Controls Indicator:		N/A
Operating TSDF Universe:		Not reported
Full Enforcement Universe:		Not reported
Significant Non-Complier Universe:		No
Unaddressed Significant Non-Complier Universe:		No
Addressed Significant Non-Complier Universe:		No
Significant Non-Complier With a Compliance Schedule Universe:		No

ADVANCED HONEYCOMB TECHNOLOGIES CORP (Continued) **1025876614**

Financial Assurance Required:	Not reported
Handler Date of Last Change:	20191011
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name: KORDSA INC	
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	1015 LINDA VISTA DR BLDG C
Owner/Operator City,State,Zip:	SAN MARCOS, CA 92078
Owner/Operator Telephone:	760-744-3200
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name: MEHMET YAGLI	
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	1015 LINDA VISTA DR BLDG C
Owner/Operator City,State,Zip:	SAN MARCOS, CA 92078
Owner/Operator Telephone:	760-744-3200
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	20191008
Handler Name:	ADVANCED HONEYCOMB TECHNOLOGIES CORP
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

List of NAICS Codes and Descriptions:

NAICS Code:	541713
NAICS Description:	RESEARCH AND DEVELOPMENT IN NANOTECHNOLOGY

Facility Has Received Notices of Violations:

ADVANCED HONEYCOMB TECHNOLOGIES CORP (Continued) **1025876614**

Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

B61
SW
< 1/8
0.021 mi.
111 ft.

PARKSON DIVISION
1015 LINDA VISTA RD
SAN MARCOS, CA 92069
Site 14 of 16 in cluster B

SWEEPS UST **S106930505**
N/A

Relative:
Lower

Actual:
540 ft.

SWEEPS UST:

Name:	PARKSON DIVISION
Address:	1015 LINDA VISTA RD
City:	SAN MARCOS
Status:	Not reported
Comp Number:	8659
Number:	Not reported
Board Of Equalization:	Not reported
Referral Date:	Not reported
Action Date:	Not reported
Created Date:	Not reported
Owner Tank Id:	Not reported
SWRCB Tank Id:	37-000-008659-000001
Tank Status:	Not reported
Capacity:	1000
Active Date:	Not reported
Tank Use:	M.V. FUEL
STG:	PRODUCT
Content:	REG UNLEADED
Number Of Tanks:	1

Name:	PARKSON DIVISION
Address:	1015 LINDA VISTA RD
City:	SAN MARCOS
Status:	Active
Comp Number:	8659
Number:	9
Board Of Equalization:	Not reported
Referral Date:	Not reported
Action Date:	06-26-92
Created Date:	02-29-88
Owner Tank Id:	Not reported
SWRCB Tank Id:	Not reported
Tank Status:	Not reported
Capacity:	Not reported
Active Date:	Not reported
Tank Use:	Not reported
STG:	Not reported
Content:	Not reported
Number Of Tanks:	Not reported

B62 **CROP PRODUCTION SERVICES INC** **RCRA NonGen / NLR** **1024788106**
SW **1015 LINDA VISTA DR BLDG B** **CAL000041392**
< 1/8 **SAN MARCOS, CA 92078**
0.021 mi.
111 ft. **Site 15 of 16 in cluster B**

Relative: **Lower**

Actual: **540 ft.**

RCRA Listings:

Date Form Received by Agency:	19910215
Handler Name:	CROP PRODUCTION SERVICES INC
Handler Address:	1015 LINDA VISTA DR BLDG B
Handler City,State,Zip:	SAN MARCOS, CA 92078-2613
EPA ID:	CAL000041392
Contact Name:	EVAN RUDOMEN
Contact Address:	3005 ROCKY MOUNTAIN AVE
Contact City,State,Zip:	LOVELAND, CO 80538-0000
Contact Telephone:	970-685-3375
Contact Fax:	970-685-3911
Contact Email:	EVAN.RUDOMEN@CPSAGU.COM
Contact Title:	Not reported
EPA Region:	09
Land Type:	Not reported
Federal Waste Generator Description:	Not a generator, verified
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Handler Activities
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	3005 ROCKY MOUNTAIN AVE
Mailing City,State,Zip:	LOVELAND, CO 80538-0000
Owner Name:	CROP PRODUCTION SERVICES, INC.
Owner Type:	Other
Operator Name:	EVAN RUDOMEN
Operator Type:	Other
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	Yes
Universal Waste Destination Facility:	Yes
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported

CROP PRODUCTION SERVICES INC (Continued) **1024788106**

Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20180905
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Operator
Owner/Operator Name: EVAN RUDOMEN	
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	3005 ROCKY MOUNTAIN AVE
Owner/Operator City,State,Zip:	LOVELAND, CO 80538-0000
Owner/Operator Telephone:	970-685-3375
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Owner
Owner/Operator Name: CROP PRODUCTION SERVICES, INC.	
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	3005 ROCKY MOUNTAIN AVE
Owner/Operator City,State,Zip:	LOVELAND, CO 80538-0000
Owner/Operator Telephone:	970-685-3300
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

CROP PRODUCTION SERVICES INC (Continued) **1024788106**

Historic Generators:
- Receive Date: 19910215
- Handler Name: CROP PRODUCTION SERVICES INC
- Federal Waste Generator Description: Not a generator, verified
- State District Owner: Not reported
- Large Quantity Handler of Universal Waste: No
- Recognized Trader Importer: No
- Recognized Trader Exporter: No
- Spent Lead Acid Battery Importer: No
- Spent Lead Acid Battery Exporter: No
- Current Record: Yes
- Non Storage Recycler Activity: Not reported
- Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
- NAICS Code: 4229
- NAICS Description: MISCELLANEOUS NONDURABLE GOODS WHOLESALERS

- NAICS Code: 44422
- NAICS Description: NURSERY, GARDEN CENTER, AND FARM SUPPLY STORES

Facility Has Received Notices of Violations:
- Violations: No Violations Found

Evaluation Action Summary:
- Evaluations: No Evaluations Found

B63 **NUTRIEN AG SOLUTIONS-SAN MARCOS** **AST** **S106060673**
SW **1015 LINDA VISTA DR B** **San Diego Co. HMMD** **N/A**
< 1/8 **SAN MARCOS, CA 92078** **CERS HAZ WASTE**
0.021 mi. **CHMIRS**
111 ft. **Site 16 of 16 in cluster B** **CERS**

Relative: Lower
Actual: 540 ft.

AST:
- Name: DON HUBBARD CONTRACTING CO
- Address: 1015 LINDA VISTA DR #A
- City/Zip: SAN MARCOS,
- Certified Unified Program Agencies: San Diego
- Owner: DON HUBBARD
- Total Gallons: 1900
- CERSID: Not reported
- Facility ID: Not reported
- Business Name: Not reported
- Phone: Not reported
- Fax: Not reported
- Mailing Address: Not reported
- Mailing Address City: Not reported
- Mailing Address State: Not reported
- Mailing Address Zip Code: Not reported
- Operator Name: Not reported
- Operator Phone: Not reported
- Owner Phone: Not reported
- Owner Mail Address: Not reported
- Owner State: Not reported
- Owner Zip Code: Not reported

NUTRIEN AG SOLUTIONS-SAN MARCOS (Continued) **S106060673**

Owner Country:	Not reported
Property Owner Name:	Not reported
Property Owner Phone:	Not reported
Property Owner Mailing Address:	Not reported
Property Owner City:	Not reported
Property Owner Stat :	Not reported
Property Owner Zip Code:	Not reported
Property Owner Country:	Not reported
EPAID:	Not reported

HMMD SAN DIEGO:

Name:	DON HUBBARD CONTRACTING CO
Address:	1015 LINDA VISTA DR A
City,State,Zip:	SAN MARCOS, CA 92078
Permit Number:	Not reported
Business Type:	Not reported
EPA Id Number:	CAL000219222
APN:	Not reported
Last HMMD Inspection:	Not reported
Facility Telephone:	760-736-3241
Permit Status:	Permit Renewed
Permit Expiration:	Not reported
Date Last Updated:	04/27/2022
Facility Owner:	Not reported
Facility Mailing Address:	1015 LINDA VISTA DR #A, SAN MARCOS, CA 92078
Facility Mailing City:	Not reported
Facility Mailing State:	Not reported
Facility Mailing Zip:	Not reported
UST Owner:	N
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Y
Treat Haz Waste:	N
Generate Medical Waste:	Not reported

UST DTL:

Record ID:	DEH2002-HUPFP-108659
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-108659
Facility Type (Ust Facility):	Not reported
Tank Owner Name:	DON HUBBARD
Tankid:	20546
Tank Status:	Removed
Date Ust Permanently Closed:	01/30/1989
Tank Use:	01
Piping System Type:	Not reported
Last Updated:	2022-04-27T02:32:14.000
Tank Capacityin Gallons:	1000
Tank Contents:	1A
Type Of Tank:	95

Waste and Materials:

Record ID:	DEH2002-HUPFP-108659
Permit Status:	Permit Renewed
Active Permit:	Y

NUTRIEN AG SOLUTIONS-SAN MARCOS (Continued) **S106060673**

Child Record Id: DEH2018-HCHEM-0173577
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2018-03-13T01:08:15.000
Chemical Name: DIESEL FUEL
Common Name: DIESEL FUEL
Case Number: 68334-30-5

Record ID: DEH2002-HUPFP-108659
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HWAST-0147709
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2018-03-13T01:08:16.000
Chemical Name: WASTE 221 WASTE OIL & MIXED OIL
Common Name: USED OIL
Case Number: Not reported

Record ID: DEH2002-HUPFP-108659
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2016-HCHEM-0104818
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2017-05-02T02:30:28.000
Chemical Name: DIESEL FUEL
Common Name: FUEL TRUCK (DIESEL, 680 Gal)
Case Number: 68334-30-5

Record ID: DEH2002-HUPFP-108659
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2016-HCHEM-0104819
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2017-05-02T02:30:28.000
Chemical Name: GASOLINE
Common Name: GASOLINE
Case Number: 8006-61-9

Record ID: DEH2002-HUPFP-108659
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2016-HCHEM-0104820
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2017-05-02T02:30:28.000
Chemical Name: DIESEL FUEL
Common Name: DIESEL FUEL
Case Number: 68334-30-5

Record ID: DEH2002-HUPFP-108659
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2016-HWAST-0086645
Trade Secret: N

NUTRIEN AG SOLUTIONS-SAN MARCOS (Continued) **S106060673**

Hazardous Material Type: Not reported
Last Updated: 2017-05-02T02:30:28.000
Chemical Name: WASTE 221 WASTE OIL & MIXED OIL
Common Name: USED OIL
Case Number: Not reported

Record ID: DEH2002-HUPFP-108659
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0184086
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2019-04-20T02:31:48.000
Chemical Name: Diesel Fuel No. 2
Common Name: Diesel Fuel No. 2
Case Number: 68476-34-6

Record ID: DEH2002-HUPFP-108659
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0184087
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2019-04-20T02:31:48.000
Chemical Name: Gasoline
Common Name: Gasoline
Case Number: 86290-81-5

Record ID: DEH2002-HUPFP-108659
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HWAST-0158471
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2019-04-20T02:31:48.000
Chemical Name: Lubricating oils, used
Common Name: Used lubricating oils
Case Number: Not reported

Record ID: DEH2002-HUPFP-108659
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HCHEM-0258446
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2022-04-27T02:32:14.000
Chemical Name: Diesel Fuel No. 2
Common Name: Diesel Fuel No. 2
Case Number: 68476-34-6

Record ID: DEH2002-HUPFP-108659
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HCHEM-0258447
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2022-04-27T02:32:14.000

NUTRIEN AG SOLUTIONS-SAN MARCOS (Continued) **S106060673**

Chemical Name: Gasoline
Common Name: Gasoline
Case Number: 86290-81-5

Record ID: DEH2002-HUPFP-108659
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HWAST-0229373
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2022-04-27T02:32:14.000
Chemical Name: Lubricating oils, used
Common Name: Used lubricating oils
Case Number: Not reported

Record ID: DEH2002-HUPFP-108659
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0173576
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2018-03-13T01:08:15.000
Chemical Name: GASOLINE
Common Name: GASOLINE
Case Number: 8006-61-9

Name: NUTRIEN AG SOLUTIONS-SAN MARCOS
Address: 1015 LINDA VISTA DR B
City,State,Zip: SAN MARCOS, CA 92078
Permit Number: Not reported
Business Type: Not reported
EPA Id Number: CAL000041392
APN: Not reported
Last HMMD Inspection: Not reported
Facility Telephone: 760-744-2514
Permit Status: Permit Renewed
Permit Expiration: Not reported
Date Last Updated: 01/07/2022
Facility Owner: Not reported
Facility Mailing Address: 1015 LINDA VISTA DR suite B, SAN MARCOS, CA 92078
Facility Mailing City: Not reported
Facility Mailing State: Not reported
Facility Mailing Zip: Not reported
UST Owner: N
Handle Regulated Hazmat: Not reported
Own Or Operate UST: Not reported
Subject To APSA: Not reported
Generate Haz Waste: N
Treat Haz Waste: N
Generate Medical Waste: Not reported

Inspection Violation:
Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Facility Id Number: 37-000-210762
Program Element: Hazardous Materials Release Response Plans

NUTRIEN AG SOLUTIONS-SAN MARCOS (Continued) **S106060673**

Inspection Type:	Routine
Inspection Number:	5159191
Return To Compliance Date:	2016-07-07T00:00:00.000
Nov:	No
Violation Classification:	Minor
Underground Storage Tank Id:	Not reported
Container/Tank Id:	Not reported
Last Update:	2022-01-07T01:00:46.000
Inspection Date:	2016-06-14T11:09:00.000
Violation Code:	1010004 Chemical inventory incomplete or not submitted in CERS. HSC 25505(a)(1); 25506; 25507; and 25508(a)(1)(A)

Record ID:	DEH2009-HUPFP-210762
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-210762
Program Element:	Hazardous Materials Release Response Plans
Inspection Type:	Routine
Inspection Number:	4146976
Return To Compliance Date:	2015-09-01T00:00:00.000
Nov:	Yes
Violation Classification:	Minor
Underground Storage Tank Id:	Not reported
Container/Tank Id:	Not reported
Last Update:	2022-01-07T01:00:46.000
Inspection Date:	2014-01-23T14:29:00.000
Violation Code:	HMD1013 Copy of HMBP not onsite for inspector’s review. 25505(e).

Record ID:	DEH2009-HUPFP-210762
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-210762
Program Element:	Hazardous Waste Generator
Inspection Type:	Routine
Inspection Number:	4146976
Return To Compliance Date:	2014-01-30T00:00:00.000
Nov:	Yes
Violation Classification:	Minor
Underground Storage Tank Id:	Not reported
Container/Tank Id:	Not reported
Last Update:	2022-01-07T01:00:46.000
Inspection Date:	2014-01-23T14:29:00.000
Violation Code:	HMD0223 Empty cont/liner mgmt Failed to properly empty container, or failed to manage non-empty container or inner liner removed from a container. 22CCR 66261.7(b), (d) &/or (r).

Record ID:	DEH2009-HUPFP-210762
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-210762
Program Element:	Hazardous Materials Release Response Plans
Inspection Type:	Routine
Inspection Number:	5159191
Return To Compliance Date:	2016-07-07T00:00:00.000
Nov:	No
Violation Classification:	Minor
Underground Storage Tank Id:	Not reported

NUTRIEN AG SOLUTIONS-SAN MARCOS (Continued) **S106060673**

Container/Tank Id: Not reported
Last Update: 2022-01-07T01:00:46.000
Inspection Date: 2016-06-14T11:09:00.000
Violation Code: 1010005 Site map not submitted in CERS or not sufficient. HSC 25505(a)(2) and 25508(a)(1)(A)

Waste and Materials:

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2016-HCHEM-0107365
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2016-09-14T02:31:32.000
Chemical Name: Sulfate of Potash
Common Name: 0-0-50 GREENS 50#
Case Number: mixture

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2016-HCHEM-0107371
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2016-09-14T02:31:32.000
Chemical Name: Monoammonium Phosphate
Common Name: 11-52-0 MAP Simplot 14010 50#
Case Number: 7722-76-1

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2016-HCHEM-0107373
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2016-09-14T02:31:32.000
Chemical Name: Potassium Nitrate
Common Name: 13-0-46 MULTI-K MGN MIN PR 50#
Case Number: 7757-79-1

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2016-HCHEM-0107377
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2016-09-14T02:31:32.000
Chemical Name: Dry Fertilizer Mixture
Common Name: 15-0-15 Peters PL Dark 99260
Case Number: mixture

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2016-HCHEM-0107378
Trade Secret: N
Hazardous Material Type: Mixture

NUTRIEN AG SOLUTIONS-SAN MARCOS (Continued) **S106060673**

Last Updated: 2016-09-14T02:31:32.000
Chemical Name: Calcium Nitrate
Common Name: 15.5-0-0 Calcium Nitrate / Solution Grade
Case Number: 10124-37-5

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2016-HCHEM-0107379
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2016-09-14T02:31:32.000
Chemical Name: Dry Fertilizer Mixture
Common Name: 15-5-15 Cal Mag
Case Number: mixture

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2016-HCHEM-0107380
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2016-09-14T02:31:32.000
Chemical Name: FERTILIZER MIXTURE
Common Name: 15-15-15 Hydroprills
Case Number: mixture

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2016-HCHEM-0107387
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2016-09-14T02:31:32.000
Chemical Name: Dry Fertilizer Mixture
Common Name: 16-16-16 ME MINORS / Hydro
Case Number: mixture

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2016-HCHEM-0107393
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2016-09-14T02:31:32.000
Chemical Name: Dry Fertilizer Mixture
Common Name: 19-2-12 Bloom Apex 50#
Case Number: mixture

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2016-HCHEM-0107394
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2016-09-14T02:31:32.000
Chemical Name: Dry Fertilizer Mixture

NUTRIEN AG SOLUTIONS-SAN MARCOS (Continued) **S106060673**

Common Name: 19-6-13 APEX NPK/Osmocote 50#
Case Number: mixture

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2016-HCHEM-0107399
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2016-09-14T02:31:32.000
Chemical Name: Dry Fertilizer Mixture
Common Name: 20-10-20 Peters/Plantex 25LB
Case Number: mixture

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2016-HCHEM-0107400
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2016-09-14T02:31:32.000
Chemical Name: Dry Fertilizer Mixture
Common Name: 20-20-20 Peters/Plantex 25LB
Case Number: mixture

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2016-HCHEM-0107402
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2016-09-14T02:31:32.000
Chemical Name: Amonium sulfate
Common Name: 21-0-0-24S AM SUL 50# PROLINE
Case Number: 7783-20-2

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2016-HCHEM-0107405
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2016-09-14T02:31:32.000
Chemical Name: Dry Fertilizer Mixture
Common Name: 21-7-14 Turf Royale/YARA Mila
Case Number: Mixture

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2016-HCHEM-0107410
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2016-09-14T02:31:32.000
Chemical Name: Dry Fertilizer Mixture
Common Name: 28-8-18 PROSOL 25#/Bent Special
Case Number: mixture

NUTRIEN AG SOLUTIONS-SAN MARCOS (Continued) **S106060673**

Record ID:	DEH2009-HUPFP-210762
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2016-HCHEM-0107413
Trade Secret:	N
Hazardous Material Type:	Mixture
Last Updated:	2016-09-14T02:31:32.000
Chemical Name:	Dry Fertilizer Mixture
Common Name:	30-10-10 High Nitro Foliar
Case Number:	mixture

Record ID:	DEH2009-HUPFP-210762
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2016-HCHEM-0107416
Trade Secret:	N
Hazardous Material Type:	Mixture
Last Updated:	2016-09-14T02:31:32.000
Chemical Name:	UREA
Common Name:	43-0-0 Spread it Forget It
Case Number:	57-13-5

Record ID:	DEH2009-HUPFP-210762
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2016-HCHEM-0107417
Trade Secret:	N
Hazardous Material Type:	Mixture
Last Updated:	2016-09-14T02:31:32.000
Chemical Name:	UREA
Common Name:	46-0-0 (LOW BI UREA) 50#
Case Number:	57-13-6

Record ID:	DEH2009-HUPFP-210762
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2016-HCHEM-0107418
Trade Secret:	N
Hazardous Material Type:	Mixture
Last Updated:	2016-09-14T02:31:32.000
Chemical Name:	UREA
Common Name:	46-0-0 PRILLED UREA 50LB
Case Number:	57-13-6

Record ID:	DEH2009-HUPFP-210762
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2016-HCHEM-0107419
Trade Secret:	N
Hazardous Material Type:	Mixture
Last Updated:	2016-09-14T02:31:32.000
Chemical Name:	Dry Fertilizer Mixture
Common Name:	6-24-24 XB SIMPLOT
Case Number:	mixture

Record ID:	DEH2009-HUPFP-210762
Permit Status:	Permit Renewed

NUTRIEN AG SOLUTIONS-SAN MARCOS (Continued) **S106060673**

Active Permit: Y
Child Record Id: DEH2016-HCHEM-0107420
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2016-09-14T02:31:32.000
Chemical Name: Micronutrient
Common Name: 9-9-9 SUPER FE SIMP 50#
Case Number: mixture

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2016-HCHEM-0107421
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2016-09-14T02:31:32.000
Chemical Name: Hydrated Sodium Calcium Aluminosilicate
Common Name: AZOMITE MICRONIZED 44LB
Case Number: 1344-01-0

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2016-HCHEM-0107422
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2016-09-14T02:31:32.000
Chemical Name: Calcium Sulfate
Common Name: CAL CM PLUS STD/MINI PRILL 50LB
Case Number: mixture

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2016-HCHEM-0107423
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2016-09-14T02:31:32.000
Chemical Name: N-P-K Mixed dry blended fertilizer
Common Name: CAN 27 50LB
Case Number: mixture

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2016-HCHEM-0107424
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2016-09-14T02:31:32.000
Chemical Name: Magnesium Sulfate
Common Name: EPSOTOP MAGNESIUM SULFATE 55.10LB
Case Number: 10034-99-8

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2016-HCHEM-0107426

NUTRIEN AG SOLUTIONS-SAN MARCOS (Continued) **S106060673**

Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2016-09-14T02:31:32.000
Chemical Name: Dry Fertilizer Mixture
Common Name: FEATURE 6-0-0 15X3LB
Case Number: mixture

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2016-HCHEM-0107428
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2016-09-14T02:31:32.000
Chemical Name: FERROUS SULFATE HEPTAHYDRATE
Common Name: IRON SULFATE 20%/30%/Deep Green
Case Number: 7782-63-0

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2016-HCHEM-0107429
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2016-09-14T02:31:32.000
Chemical Name: Water Soluble Fertilizer
Common Name: PETERS PRO GP 20-20-20 99290
Case Number: mixture

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2016-HCHEM-0107434
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2016-09-14T02:31:32.000
Chemical Name: Sulfur
Common Name: Sulfur Tiger 90
Case Number: 7704-34-9

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2016-HCHEM-0107435
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2016-09-14T02:31:32.000
Chemical Name: Purified Phosphoric Acid
Common Name: 0-55-0 DRIP GRADE ACID FERTILIZER
Case Number: 7664-38-2

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2016-HCHEM-0107436
Trade Secret: N
Hazardous Material Type: Mixture

NUTRIEN AG SOLUTIONS-SAN MARCOS (Continued) **S106060673**

Last Updated: 2016-09-14T02:31:32.000
Chemical Name: Ammonium Nitrate
Common Name: Calcium Ammonium Nitrate 17-0-0
Case Number: 6484-52-2

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2016-HCHEM-0107437
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2016-09-14T02:31:32.000
Chemical Name: Ammonium Nitrate
Common Name: AN-20
Case Number: 6484-52-2

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2016-HCHEM-0107438
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2016-09-14T02:31:32.000
Chemical Name: UREA - AMMONIUM NITRATE SOLUTION
Common Name: 32-0-0 UAN SOLUTION
Case Number: 6484-52-2

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2016-HCHEM-0107439
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2016-09-14T02:31:32.000
Chemical Name: POTASSIUM THIOSULFATE
Common Name: 0-0-25-17S KTS LIQUID
Case Number: 10294-66-3

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2016-HCHEM-0107440
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2016-09-14T02:31:32.000
Chemical Name: Mono Carbamide Dihydrogen Sulfate
Common Name: 15/49 N/Phuric
Case Number: mixture

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2016-HCHEM-0107441
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2016-09-14T02:31:32.000
Chemical Name: Hydrated Ammonium Calcium Nitrate Double Salt

NUTRIEN AG SOLUTIONS-SAN MARCOS (Continued) **S106060673**

Common Name: 9-0-0 CN Liq
Case Number: 252245-12-2

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2016-HCHEM-0107442
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2016-09-14T02:31:32.000
Chemical Name: CAPTAN
Common Name: CAPTAN 80WDG
Case Number: 133-06-2

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2016-HCHEM-0107443
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2016-09-14T02:31:32.000
Chemical Name: Pyrethroid Pesticide
Common Name: Capture 2EC-CAL
Case Number: MIXTURE

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2016-HCHEM-0107444
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2016-09-14T02:31:32.000
Chemical Name: Fungicide / Bactericide
Common Name: Cease
Case Number: MIXTURE

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2016-HCHEM-0107445
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2016-09-14T02:31:32.000
Chemical Name: AQUEOUS MIXTURE OF SALTS
Common Name: CHOICE WEATHER MASTER
Case Number: MIXTURE

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2016-HCHEM-0107446
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2016-09-14T02:31:32.000
Chemical Name: Propiconazole
Common Name: Concert II
Case Number: MIXTURE

NUTRIEN AG SOLUTIONS-SAN MARCOS (Continued) **S106060673**

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2016-HCHEM-0107447
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2016-09-14T02:31:32.000
Chemical Name: Copper Sulfate Pentahydrate
Common Name: Copper Sulfate
Case Number: 7758-99-8

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2016-HCHEM-0107448
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2016-09-14T02:31:32.000
Chemical Name: Sulfur
Common Name: Cosavet 80 DF
Case Number: 7704-34-9

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2016-HCHEM-0107449
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2016-09-14T02:31:32.000
Chemical Name: ISOPROPYLAMINE SALT OF GLYPHOSATE
Common Name: CREDIT 41 EXTRA
Case Number: 38641-94-0

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2016-HCHEM-0107450
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2016-09-14T02:31:32.000
Chemical Name: Fungicide
Common Name: Cueva
Case Number: Mixture

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2016-HCHEM-0107451
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2016-09-14T02:31:32.000
Chemical Name: Chlorothalonil
Common Name: Daconil Ultrex
Case Number: 1897-45-6

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed

NUTRIEN AG SOLUTIONS-SAN MARCOS (Continued) **S106060673**

Active Permit: Y
Child Record Id: DEH2016-HCHEM-0107452
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2016-09-14T02:31:32.000
Chemical Name: Chlorothalonil
Common Name: Daconil Weatherstik
Case Number: 1897-45-6

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2016-HCHEM-0107453
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2016-09-14T02:31:32.000
Chemical Name: METALDEHYDE
Common Name: DEADLINE M-PS/Bullets
Case Number: mixture

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2016-HCHEM-0107454
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2016-09-14T02:31:32.000
Chemical Name: Diazinon
Common Name: Diazinon AG 500
Case Number: 333-41-5

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2016-HCHEM-0107455
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2016-09-14T02:31:32.000
Chemical Name: BACILLUS THURINGIENSIS, SUBSP. KURSTAKI
Common Name: DIPEL DF
Case Number: 68038-71-1

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2016-HCHEM-0107456
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2016-09-14T02:31:32.000
Chemical Name: Ethyl Alcohol
Common Name: Dip'N Grow
Case Number: MIXTURE

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2016-HCHEM-0107457

NUTRIEN AG SOLUTIONS-SAN MARCOS (Continued) **S106060673**

Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2016-09-14T02:31:32.000
Chemical Name: MANCOZEB
Common Name: DITHANE DF RAINSHIELD
Case Number: 8018-01-7

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2016-HCHEM-0107458
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2016-09-14T02:31:32.000
Chemical Name: MYCLOBUTANIL
Common Name: EAGLE 20EW
Case Number: mixture

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2016-HCHEM-0107459
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2016-09-14T02:31:32.000
Chemical Name: Chlorothalonil
Common Name: Ensign 720
Case Number: 1897-45-6

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2016-HCHEM-0107460
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2016-09-14T02:31:32.000
Chemical Name: Iron Phosphaste
Common Name: FC Sluggo Snail & Slug Bait
Case Number: 10045-86-0

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2016-HCHEM-0107461
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2016-09-14T02:31:32.000
Chemical Name: Sodium Ferric EDTA
Common Name: Ferroxx
Case Number: Mixture

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2016-HCHEM-0107462
Trade Secret: N
Hazardous Material Type: Mixture

NUTRIEN AG SOLUTIONS-SAN MARCOS (Continued) **S106060673**

Last Updated: 2016-09-14T02:31:32.000
Chemical Name: Mancozeb
Common Name: Fore 80WP Rainshield
Case Number: 008018-01-7

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2016-HCHEM-0107463
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2016-09-14T02:31:32.000
Chemical Name: COPPER SULFATE PENTAHYDRATE ALGAE CONTROL
Common Name: FORMULA F-30 ALGAE CONTROL
Case Number: 7758-99-8

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2016-HCHEM-0107464
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2016-09-14T02:31:32.000
Chemical Name: Pendimethalin
Common Name: Freehand 1.75G
Case Number: 40487-42-1

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2016-HCHEM-0107465
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2016-09-14T02:31:32.000
Chemical Name: Isoxaben
Common Name: Gallery 75 DF
Case Number: 082558-50-7

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2016-HCHEM-0107466
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2016-09-14T02:31:32.000
Chemical Name: Mineral Oil
Common Name: Gavicide Green, Leaf Life
Case Number: 8042-47-6

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2016-HCHEM-0107467
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2016-09-14T02:31:32.000
Chemical Name: GLYPHOSATE - ISOPROPYLAMINE SALT

NUTRIEN AG SOLUTIONS-SAN MARCOS (Continued) **S106060673**

Common Name: Glyphosphate Plus
Case Number: 38641-94-0

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2016-HCHEM-0107469
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2016-09-14T02:31:32.000
Chemical Name: Paraquat Dichloride
Common Name: Gramoxone SL
Case Number: 1910-42-5

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2016-HCHEM-0107470
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2016-09-14T02:31:32.000
Chemical Name: Sodium Percarbonate
Common Name: GreenClean Pro
Case Number: mixture

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2016-HCHEM-0107471
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2016-09-14T02:31:32.000
Chemical Name: Phosmet
Common Name: Imidian 70-W
Case Number: 732-11-6

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2016-HCHEM-0107472
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2016-09-14T02:31:32.000
Chemical Name: Isopropylamine salt of glyphosate
Common Name: Kleen Up Pro
Case Number: 38641-94-0

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2016-HCHEM-0107473
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2016-09-14T02:31:32.000
Chemical Name: COPPER HYDROXIDE
Common Name: KOCIDE 3000
Case Number: 20427-59-2

NUTRIEN AG SOLUTIONS-SAN MARCOS (Continued) **S106060673**

Record ID:	DEH2009-HUPFP-210762
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2016-HCHEM-0107474
Trade Secret:	N
Hazardous Material Type:	Mixture
Last Updated:	2016-09-14T02:31:32.000
Chemical Name:	Bromacil
Common Name:	Krovar DF
Case Number:	3147-40-9

Record ID:	DEH2009-HUPFP-210762
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2016-HCHEM-0107504
Trade Secret:	N
Hazardous Material Type:	Mixture
Last Updated:	2016-09-14T02:31:32.000
Chemical Name:	Alkoxylated Polyols
Common Name:	Revert
Case Number:	MIXTURE

Record ID:	DEH2009-HUPFP-210762
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2016-HCHEM-0107475
Trade Secret:	N
Hazardous Material Type:	Mixture
Last Updated:	2016-09-14T02:31:32.000
Chemical Name:	BLEND OF METHYLACETIC ACID, LECITHIN & SURFACTANT
Common Name:	LI 700
Case Number:	79-09-4

Record ID:	DEH2009-HUPFP-210762
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2016-HCHEM-0107476
Trade Secret:	N
Hazardous Material Type:	Mixture
Last Updated:	2016-09-14T02:31:32.000
Chemical Name:	LECITHIN, METHYL ESTERS OF FATTY ACIDS, & ALCOHOL ETHOXYLATE
Common Name:	LIBERATE WITH LECI-TECH
Case Number:	34398-01-1

Record ID:	DEH2009-HUPFP-210762
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2016-HCHEM-0107477
Trade Secret:	N
Hazardous Material Type:	Mixture
Last Updated:	2016-09-14T02:31:32.000
Chemical Name:	CHLORPYRIFOS
Common Name:	LORSBAN 15G
Case Number:	2921-88-2

Record ID:	DEH2009-HUPFP-210762
Permit Status:	Permit Renewed

NUTRIEN AG SOLUTIONS-SAN MARCOS (Continued) **S106060673**

Active Permit: Y
Child Record Id: DEH2016-HCHEM-0107478
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2016-09-14T02:31:32.000
Chemical Name: Potassium Laureate
Common Name: M-Pede
Case Number: MIXTURE

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2016-HCHEM-0107479
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2016-09-14T02:31:32.000
Chemical Name: GLYPHOSATE - ISOPROPYLAMINE SALT
Common Name: MAKAZE
Case Number: 38641-94-0

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2016-HCHEM-0107480
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2016-09-14T02:31:32.000
Chemical Name: Malathion
Common Name: Malathion 8 Aquamol
Case Number: 121-75-5

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2016-HCHEM-0107481
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2016-09-14T02:31:32.000
Chemical Name: Imidacloprid
Common Name: Malice 0.5 G 30 lbs
Case Number: 138261-41-3

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2016-HCHEM-0107482
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2016-09-14T02:31:32.000
Chemical Name: Imidacloprid
Common Name: Marathon 1G
Case Number: MIXTURE

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2016-HCHEM-0107483

NUTRIEN AG SOLUTIONS-SAN MARCOS (Continued) **S106060673**

Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2016-09-14T02:31:32.000
Chemical Name: IMIDACLOPRID
Common Name: MERIT 0.5 G
Case Number: MIXTURE

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2016-HCHEM-0107484
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2016-09-14T02:31:32.000
Chemical Name: Metaldehyde
Common Name: Metaldehyde 3.5%
Case Number: 108-62-3

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2016-HCHEM-0107485
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2016-09-14T02:31:32.000
Chemical Name: Metaldehyde
Common Name: Metaldehyde 7.5
Case Number: 108-62-3

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2016-HCHEM-0107486
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2016-09-14T02:31:32.000
Chemical Name: Sulfur, micronized
Common Name: Microthiol Disperss
Case Number: 7704-34-9

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2016-HCHEM-0107487
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2016-09-14T02:31:32.000
Chemical Name: Potassium Bicarbonate
Common Name: MILSTOP
Case Number: Mixture

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2016-HCHEM-0107488
Trade Secret: N
Hazardous Material Type: Mixture

NUTRIEN AG SOLUTIONS-SAN MARCOS (Continued) **S106060673**

Last Updated: 2016-09-14T02:31:32.000
Chemical Name: Desinfectant
Common Name: Nacco San
Case Number: MIXTURE

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2016-HCHEM-0107489
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2016-09-14T02:31:32.000
Chemical Name: Cuprous Oxide
Common Name: Nordox 75WG
Case Number: 1317-39-1

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2016-HCHEM-0107490
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2016-09-14T02:31:32.000
Chemical Name: Copper hydroxide (Cu(OH)2)
Common Name: Nu-Cop 50 DF
Case Number: 20427-59-2

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2016-HCHEM-0107491
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2016-09-14T02:31:32.000
Chemical Name: Oxyfluorfen
Common Name: OH2
Case Number: 42874-03-3

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2016-HCHEM-0107492
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2016-09-14T02:31:32.000
Chemical Name: Distillates (petroleum), solvent-refined heavy paraffinic
Common Name: Oil Ultrapure
Case Number: 64741-88-4

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2016-HCHEM-0107493
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2016-09-14T02:31:32.000
Chemical Name: Triclopyr, Butoxy Ethyl Ester

NUTRIEN AG SOLUTIONS-SAN MARCOS (Continued) **S106060673**

Common Name: Pathfinder II
Case Number: 64700-56-7

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2016-HCHEM-0107494
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2016-09-14T02:31:32.000
Chemical Name: Diphacinone
Common Name: PCQ Bait
Case Number: 82-66-6

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2016-HCHEM-0107495
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2016-09-14T02:31:32.000
Chemical Name: Quaternary ammonium compound
Common Name: Physan 20
Case Number: MIXTURE

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2016-HCHEM-0107496
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2016-09-14T02:31:32.000
Chemical Name: Trinexapac-Ethyl
Common Name: Primo Maxx
Case Number: 95266-40-3

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2016-HCHEM-0107497
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2016-09-14T02:31:32.000
Chemical Name: Propiconazole
Common Name: Procon Z
Case Number: 60207-90-1

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2016-HCHEM-0107498
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2016-09-14T02:31:32.000
Chemical Name: Ethephon
Common Name: Proxy
Case Number: 16672-87-0

NUTRIEN AG SOLUTIONS-SAN MARCOS (Continued) **S106060673**

Record ID:	DEH2009-HUPFP-210762
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2016-HCHEM-0107499
Trade Secret:	N
Hazardous Material Type:	Mixture
Last Updated:	2016-09-14T02:31:32.000
Chemical Name:	PYRETHRINS
Common Name:	PYGANIC EC 1.4 II
Case Number:	Not reported

Record ID:	DEH2009-HUPFP-210762
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2016-HCHEM-0107500
Trade Secret:	N
Hazardous Material Type:	Mixture
Last Updated:	2016-09-14T02:31:32.000
Chemical Name:	PYRETHRIN
Common Name:	PYGANIC EC 5.0
Case Number:	00803-34-7

Record ID:	DEH2009-HUPFP-210762
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2016-HCHEM-0107501
Trade Secret:	N
Hazardous Material Type:	Mixture
Last Updated:	2016-09-14T02:31:32.000
Chemical Name:	Ammonium Salt of Glyphosate
Common Name:	Quikpro
Case Number:	114370-14-8

Record ID:	DEH2009-HUPFP-210762
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2016-HCHEM-0107502
Trade Secret:	N
Hazardous Material Type:	Mixture
Last Updated:	2016-09-14T02:31:32.000
Chemical Name:	2-Diphenylacetyl-1,3-Indandione
Common Name:	Ramik Green Bait
Case Number:	82-66-6

Record ID:	DEH2009-HUPFP-210762
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2016-HCHEM-0107503
Trade Secret:	N
Hazardous Material Type:	Mixture
Last Updated:	2016-09-14T02:31:32.000
Chemical Name:	Isopropylamine salt of glyphosate
Common Name:	Ranger Pro
Case Number:	38641-94-0

Record ID:	DEH2009-HUPFP-210762
Permit Status:	Permit Renewed

NUTRIEN AG SOLUTIONS-SAN MARCOS (Continued) **S106060673**

Active Permit: Y
Child Record Id: DEH2016-HCHEM-0107505
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2016-09-14T02:31:32.000
Chemical Name: DIQUAT DIBROMIDE
Common Name: REWARD
Case Number: 85-00-7

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2016-HCHEM-0107506
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2016-09-14T02:31:32.000
Chemical Name: Glyphosate-Isopropylamine
Common Name: Rodeo
Case Number: 38641-94-0

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2016-HCHEM-0107507
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2016-09-14T02:31:32.000
Chemical Name: Oxadizon
Common Name: Ronstar G
Case Number: 19666-30-9

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2016-HCHEM-0107508
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2016-09-14T02:31:32.000
Chemical Name: Potassium Salt of Glyphosate
Common Name: ROUNDUP POWERMAX
Case Number: 70901-12-1

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2016-HCHEM-0107509
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2016-09-14T02:31:32.000
Chemical Name: Potassium Salt of Glyphosate
Common Name: Roundup Pro Concentrate
Case Number: 70901-12-2

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2016-HCHEM-0107510

NUTRIEN AG SOLUTIONS-SAN MARCOS (Continued) **S106060673**

Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2016-09-14T02:31:32.000
Chemical Name: Potassium Salt of Glyphosate
Common Name: Roundup Promax/Custom
Case Number: 70901-12-1

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2016-HCHEM-0107511
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2016-09-14T02:31:32.000
Chemical Name: Oxyfluorfen
Common Name: Rout
Case Number: 42874-03-3

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2016-HCHEM-0107512
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2016-09-14T02:31:32.000
Chemical Name: Dinotefuran
Common Name: Safari 20 SG
Case Number: 165252-70-0

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2016-HCHEM-0107513
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2016-09-14T02:31:32.000
Chemical Name: Pelargonic Acid
Common Name: Scythe
Case Number: 112-05-0

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2016-HCHEM-0107514
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2016-09-14T02:31:32.000
Chemical Name: SPINOSAD
Common Name: SEDUCE INSECT BAIT
Case Number: organic

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2016-HCHEM-0107515
Trade Secret: N
Hazardous Material Type: Mixture

NUTRIEN AG SOLUTIONS-SAN MARCOS (Continued) **S106060673**

Last Updated: 2016-09-14T02:31:32.000
Chemical Name: CARBARYL
Common Name: SEVIN SL
Case Number: 63-25-3

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2016-HCHEM-0107517
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2016-09-14T02:31:32.000
Chemical Name: Trifluralin
Common Name: Showcase
Case Number: MIXTURE

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2016-HCHEM-0107518
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2016-09-14T02:31:32.000
Chemical Name: Simazine
Common Name: Simazine 90 DF
Case Number: 122-34-9

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2016-HCHEM-0107519
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2016-09-14T02:31:32.000
Chemical Name: Trifluralin
Common Name: Snapshot 2.5tg 50lb Dow Herbicide
Case Number: 082558-50-7

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2016-HCHEM-0107520
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2016-09-14T02:31:32.000
Chemical Name: Not reported
Common Name: Speed Zone Southern
Case Number: Mixture

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2016-HCHEM-0107521
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2016-09-14T02:31:32.000
Chemical Name: Mefenoxam

NUTRIEN AG SOLUTIONS-SAN MARCOS (Continued) **S106060673**

Common Name: Subdue Maxx
Case Number: 70630-17-0

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2016-HCHEM-0107522
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2016-09-14T02:31:32.000
Chemical Name: Metalaxyl
Common Name: Subdue GR
Case Number: 57837-19-1

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2016-HCHEM-0107523
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2016-09-14T02:31:32.000
Chemical Name: Sulfur
Common Name: Sulfur Dusting 98%
Case Number: 7704-34-9

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2016-HCHEM-0107524
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2016-09-14T02:31:32.000
Chemical Name: Oryzalin
Common Name: Surflan AS
Case Number: 19044-88-3

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2016-HCHEM-0107525
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2016-09-14T02:31:32.000
Chemical Name: ORYZALIN
Common Name: Surflan AS Speciality
Case Number: 19044-88-3

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2016-HCHEM-0107526
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2016-09-14T02:31:32.000
Chemical Name: Kaolin, calcined
Common Name: Surround WP
Case Number: Not reported

NUTRIEN AG SOLUTIONS-SAN MARCOS (Continued) **S106060673**

Record ID:	DEH2009-HUPFP-210762
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2016-HCHEM-0107527
Trade Secret:	N
Hazardous Material Type:	Mixture
Last Updated:	2016-09-14T02:31:32.000
Chemical Name:	Bifenthrin
Common Name:	Talstar Nursery Granular
Case Number:	mixture

Record ID:	DEH2009-HUPFP-210762
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2016-HCHEM-0107528
Trade Secret:	N
Hazardous Material Type:	Mixture
Last Updated:	2016-09-14T02:31:32.000
Chemical Name:	Monosodium methanearsonate
Common Name:	Target 6 Plus
Case Number:	2163-80-6

Record ID:	DEH2009-HUPFP-210762
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2016-HCHEM-0107530
Trade Secret:	N
Hazardous Material Type:	Mixture
Last Updated:	2016-09-14T02:31:32.000
Chemical Name:	CLARIDIED HYDROPHOBIC EXTACT OF NEEM OIL
Common Name:	Trilogy 70EC
Case Number:	8002-65-1

Record ID:	DEH2009-HUPFP-210762
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2016-HCHEM-0107532
Trade Secret:	N
Hazardous Material Type:	Mixture
Last Updated:	2016-09-14T02:31:32.000
Chemical Name:	Chlorpyrifos
Common Name:	Warhawk
Case Number:	2921-88-2

Record ID:	DEH2009-HUPFP-210762
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2016-HCHEM-0107533
Trade Secret:	N
Hazardous Material Type:	Mixture
Last Updated:	2016-09-14T02:31:32.000
Chemical Name:	ALUMINUM PHOSPHIDE
Common Name:	WEEVIL-CIDE TABLETS
Case Number:	20859-73-8

Record ID:	DEH2009-HUPFP-210762
Permit Status:	Permit Renewed

NUTRIEN AG SOLUTIONS-SAN MARCOS (Continued) **S106060673**

Active Permit: Y
Child Record Id: DEH2016-HCHEM-0107534
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2016-09-14T02:31:32.000
Chemical Name: POLYETHER-POLYMETHYLSILOXANE-COPOLYMER POLYETHER
Common Name: WIDESPREAD MAX (NON-IONIC WETTING AGENT/SPREADER/PEN SURFACT)
Case Number: Mixture

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2016-HCHEM-0107536
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2016-09-14T02:31:32.000
Chemical Name: Imidacloprid
Common Name: Wrangler Insecticide
Case Number: 138261-41-3

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2016-HCHEM-0107538
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2016-09-14T02:31:32.000
Chemical Name: Propane
Common Name: Liquefied Petroleum Gas (lpg)
Case Number: 74-98-6

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2019-HCHEM-0226053
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2019-09-05T02:36:49.000
Chemical Name: FERTILIZER MIXTURE
Common Name: 15-15-15 Hydroprills
Case Number: mixture

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2019-HCHEM-0226054
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2019-09-05T02:36:49.000
Chemical Name: Dry Fertilizer Mixture
Common Name: 15-15-15 M PROLINE 50#
Case Number: mixture

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HCHEM-0264735

NUTRIEN AG SOLUTIONS-SAN MARCOS (Continued) **S106060673**

Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2021-10-06T02:31:51.000
Chemical Name: Monocalcium Phosphate
Common Name: 0-45-0 TSP PROLINE 50#
Case Number: mixture

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HCHEM-0264736
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2021-10-06T02:31:51.000
Chemical Name: N-P-K Mixed dry blended fertilizer
Common Name: 5-3-2 LPI GRO OMRI 40#
Case Number: mixture

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HCHEM-0264737
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2021-10-06T02:31:51.000
Chemical Name: Organic Fertilizer Custom Blend
Common Name: 7.5-5-7.5 with poultry meal
Case Number: mixture

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HCHEM-0264738
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2021-10-06T02:31:51.000
Chemical Name: Organic Fertilizer Custom Blend
Common Name: 11-1-6 Organic Fertilizer
Case Number: mixture

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HCHEM-0264739
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2021-10-06T02:31:51.000
Chemical Name: Monoammonium Phosphate
Common Name: 11-52-0 MAP Simplot 14010 50#
Case Number: 7722-76-1

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HCHEM-0264740
Trade Secret: N
Hazardous Material Type: Mixture

NUTRIEN AG SOLUTIONS-SAN MARCOS (Continued) **S106060673**

Last Updated: 2021-10-06T02:31:51.000
Chemical Name: Dry Fertilizer Mixture
Common Name: 12-4-11/12-4-12 Apex Palm
Case Number: mixture

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HCHEM-0264741
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2021-10-06T02:31:51.000
Chemical Name: Potassium Nitrate
Common Name: 13-0-46 MULTI-K MGN MIN PR 50#
Case Number: 7757-79-1

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HCHEM-0264742
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2021-10-06T02:31:51.000
Chemical Name: Dry Fertilizer Mixture
Common Name: 14-14-14 NPK APEX 50LB/Landscape color
Case Number: mixture

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HCHEM-0264743
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2021-10-06T02:31:51.000
Chemical Name: Dry Fertilizer Mixture
Common Name: 14-4-9 SUPER PALM LPI SIG 50LB
Case Number: mixture

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HCHEM-0264744
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2021-10-06T02:31:51.000
Chemical Name: Fertilizer with Prodiamine
Common Name: 15-0-15 SIG .37 EVADE
Case Number: mixture

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HCHEM-0264745
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2021-10-06T02:31:51.000
Chemical Name: Dry Fertilizer Mixture

NUTRIEN AG SOLUTIONS-SAN MARCOS (Continued) **S106060673**

Common Name: 15-0-15 Peters PL Dark 99260
Case Number: mixture

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HCHEM-0264746
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2021-10-06T02:31:51.000
Chemical Name: Calcium Nitrate
Common Name: 15.5-0-0 Calcium Nitrate / Solution Grade
Case Number: 10124-37-5

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HCHEM-0264747
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2021-10-06T02:31:51.000
Chemical Name: Dry Fertilizer Mixture
Common Name: 15-5-15 Cal Mag
Case Number: mixture

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HCHEM-0264748
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2021-10-06T02:31:51.000
Chemical Name: FERTILIZER MIXTURE
Common Name: 15-15-15 Hydroprills
Case Number: mixture

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HCHEM-0264751
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2021-10-06T02:31:51.000
Chemical Name: Dry Fertilizer Mixture
Common Name: 16-6-8 TURF SUPREME 50LB
Case Number: mixture

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HCHEM-0264752
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2021-10-06T02:31:51.000
Chemical Name: Dry Fertilizer Mixture
Common Name: 16-6-8 One Shot Simplot
Case Number: mixture

NUTRIEN AG SOLUTIONS-SAN MARCOS (Continued) **S106060673**

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HCHEM-0264753
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2021-10-06T02:31:51.000
Chemical Name: Dry Fertilizer Mixture
Common Name: 16-6-8 with Trimec
Case Number: mixture

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HCHEM-0264754
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2021-10-06T02:31:51.000
Chemical Name: Dry Fertilizer Mixture
Common Name: 16-9-12 Osmocote
Case Number: mixture

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HCHEM-0264755
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2021-10-06T02:31:51.000
Chemical Name: Dry Fertilizer Mixture
Common Name: 16-16-16 ME MINORS / Hydro
Case Number: mixture

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HCHEM-0264756
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2021-10-06T02:31:51.000
Chemical Name: Dry Fertilizer Mixture
Common Name: 16-20-0 PROLINE 50#
Case Number: mixture

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HCHEM-0264757
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2021-10-06T02:31:51.000
Chemical Name: Dry Fertilizer Mixture
Common Name: 17-3-6 Topdress 4-6MO
Case Number: mixture

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed

NUTRIEN AG SOLUTIONS-SAN MARCOS (Continued) **S106060673**

Active Permit: Y
Child Record Id: DEH2020-HCHEM-0264758
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2021-10-06T02:31:51.000
Chemical Name: N-P-K Mixed dry blended fertilizer
Common Name: 18-3-18 SIG 92BCMU GRN 50#
Case Number: mixture

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HCHEM-0264759
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2021-10-06T02:31:51.000
Chemical Name: N-P-K Mixed dry blended fertilizer
Common Name: 18-4-9 5FE SIGNATURE 50LB
Case Number: mixture

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HCHEM-0264760
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2021-10-06T02:31:51.000
Chemical Name: Dry Fertilizer Mixture
Common Name: 18-18-18 Multipurpose Low PH
Case Number: mixture

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HCHEM-0264761
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2021-10-06T02:31:51.000
Chemical Name: Dry Fertilizer Mixture
Common Name: 19-2-12 Bloom Apex 50#
Case Number: mixture

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HCHEM-0264762
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2021-10-06T02:31:51.000
Chemical Name: Dry Fertilizer Mixture
Common Name: 19-6-13 APEX NPK/Osmocote 50#
Case Number: mixture

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HCHEM-0264766

NUTRIEN AG SOLUTIONS-SAN MARCOS (Continued) **S106060673**

Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2021-10-06T02:31:51.000
Chemical Name: Dry Fertilizer Mixture
Common Name: 20-10-20 Peters/Plantex 25LB
Case Number: mixture

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HCHEM-0264767
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2021-10-06T02:31:51.000
Chemical Name: Dry Fertilizer Mixture
Common Name: 20-20-20 Peters/Plantex 25LB
Case Number: mixture

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HCHEM-0264768
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2021-10-06T02:31:51.000
Chemical Name: Dry Fertilizer Mixture
Common Name: 20-9-9 SUPER BLEND 65UF 50LB LPI
Case Number: mixture

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HCHEM-0264769
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2021-10-06T02:31:51.000
Chemical Name: Amonium sulfate
Common Name: 21-0-0-24S AM SUL 50# PROLINE
Case Number: 7783-20-2

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HCHEM-0264770
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2021-10-06T02:31:51.000
Chemical Name: Dry Fertilizer Mixture
Common Name: 21-5-6 APEX SUPER FE TOPDRS 50LB
Case Number: mixture

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HCHEM-0264771
Trade Secret: N
Hazardous Material Type: Mixture

NUTRIEN AG SOLUTIONS-SAN MARCOS (Continued) **S106060673**

Last Updated: 2021-10-06T02:31:51.000
Chemical Name: Dry Fertilizer Mixture
Common Name: 21-7-6 Apex Cool Weather Blue
Case Number: mixture

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HCHEM-0264772
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2021-10-06T02:31:51.000
Chemical Name: Dry Fertilizer Mixture
Common Name: 21-7-14 Turf Royale/YARA Mila
Case Number: Mixture

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HCHEM-0264773
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2021-10-06T02:31:51.000
Chemical Name: Dry Fertilizer Mixture
Common Name: 22-5-10 LPI SIG
Case Number: mixture

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HCHEM-0264774
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2021-10-06T02:31:51.000
Chemical Name: Dry Fertilizer Mixture
Common Name: 22-6-12 Apex NPK
Case Number: mixture

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HCHEM-0264775
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2021-10-06T02:31:51.000
Chemical Name: Dry Fertilizer Mixture
Common Name: 24-4-8 LPI SIG 75BCMU 3.5FE 50LB
Case Number: mixture

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HCHEM-0264776
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2021-10-06T02:31:51.000
Chemical Name: Dry Fertilizer Mixture

NUTRIEN AG SOLUTIONS-SAN MARCOS (Continued) **S106060673**

Common Name: 25-5-5 SUPER TURF 50#
Case Number: mixture

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HCHEM-0264777
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2021-10-06T02:31:51.000
Chemical Name: Dry Fertilizer Mixture
Common Name: 28-8-18 PROSOL 25#/Bent Special
Case Number: mixture

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HCHEM-0264778
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2021-10-06T02:31:51.000
Chemical Name: Dry Fertilizer Mixture
Common Name: 29-7-0 Hines Preplant Mix
Case Number: mixture

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HCHEM-0264779
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2021-10-06T02:31:51.000
Chemical Name: N-P-K Mixed dry blended fertilizer
Common Name: 30-5-10 High Iron XCU-DUR LPI SIG 50#
Case Number: mixture

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HCHEM-0264780
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2021-10-06T02:31:51.000
Chemical Name: Dry Fertilizer Mixture
Common Name: 30-10-10 High Nitro Foliar
Case Number: mixture

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HCHEM-0264781
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2021-10-06T02:31:51.000
Chemical Name: Dry Fertilizer Mixture
Common Name: 32-2-8 LPI SIG 50XCU 50#
Case Number: mixture

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Record ID:	DEH2009-HUPFP-210762
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2020-HCHEM-0264782
Trade Secret:	N
Hazardous Material Type:	Mixture
Last Updated:	2021-10-06T02:31:51.000
Chemical Name:	Dry Fertilizer Mixture
Common Name:	39-0-0 Nitroform Std/Mini/Chip/Powder
Case Number:	mixture

Record ID:	DEH2009-HUPFP-210762
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2020-HCHEM-0264783
Trade Secret:	N
Hazardous Material Type:	Mixture
Last Updated:	2021-10-06T02:31:51.000
Chemical Name:	UREA
Common Name:	43-0-0 Spread it Forget It
Case Number:	57-13-5

Record ID:	DEH2009-HUPFP-210762
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2020-HCHEM-0264784
Trade Secret:	N
Hazardous Material Type:	Mixture
Last Updated:	2021-10-06T02:31:51.000
Chemical Name:	UREA
Common Name:	46-0-0 (LOW BI UREA) 50#
Case Number:	57-13-6

Record ID:	DEH2009-HUPFP-210762
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2020-HCHEM-0264785
Trade Secret:	N
Hazardous Material Type:	Mixture
Last Updated:	2021-10-06T02:31:51.000
Chemical Name:	UREA
Common Name:	46-0-0 PRILLED UREA 50LB
Case Number:	57-13-6

Record ID:	DEH2009-HUPFP-210762
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2020-HCHEM-0264786
Trade Secret:	N
Hazardous Material Type:	Mixture
Last Updated:	2021-10-06T02:31:51.000
Chemical Name:	Dry Fertilizer Mixture
Common Name:	6-24-24 XB SIMPLOT
Case Number:	mixture

Record ID:	DEH2009-HUPFP-210762
Permit Status:	Permit Renewed

NUTRIEN AG SOLUTIONS-SAN MARCOS (Continued) **S106060673**

Active Permit:	Y
Child Record Id:	DEH2020-HCHEM-0264787
Trade Secret:	N
Hazardous Material Type:	Mixture
Last Updated:	2021-10-06T02:31:51.000
Chemical Name:	Micronutrient
Common Name:	9-9-9 SUPER FE SIMP 50#
Case Number:	mixture
Record ID:	DEH2009-HUPFP-210762
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2020-HCHEM-0264788
Trade Secret:	N
Hazardous Material Type:	Mixture
Last Updated:	2021-10-06T02:31:51.000
Chemical Name:	Hydrated Sodium Calcium Aluminosilicate
Common Name:	AZOMITE MICRONIZED 44LB
Case Number:	1344-01-0
Record ID:	DEH2009-HUPFP-210762
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2020-HCHEM-0264789
Trade Secret:	N
Hazardous Material Type:	Mixture
Last Updated:	2021-10-06T02:31:51.000
Chemical Name:	Calcium Sulfate
Common Name:	CAL CM PLUS STD/MINI PRILL 50LB
Case Number:	mixture
Record ID:	DEH2009-HUPFP-210762
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2020-HCHEM-0264790
Trade Secret:	N
Hazardous Material Type:	Mixture
Last Updated:	2021-10-06T02:31:51.000
Chemical Name:	N-P-K Mixed dry blended fertilizer
Common Name:	CAN 27 50LB
Case Number:	mixture
Record ID:	DEH2009-HUPFP-210762
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2020-HCHEM-0264791
Trade Secret:	N
Hazardous Material Type:	Pure
Last Updated:	2021-10-06T02:31:51.000
Chemical Name:	Magnesium Sulfate
Common Name:	EPSOTOP MAGNESIUM SULFATE 55.10LB
Case Number:	10034-99-8
Record ID:	DEH2009-HUPFP-210762
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2020-HCHEM-0264792

NUTRIEN AG SOLUTIONS-SAN MARCOS (Continued) **S106060673**

Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2021-10-06T02:31:51.000
Chemical Name: Monopotasassium Phosphate
Common Name: FC KEEP 0-52-34
Case Number: 7778-77-0

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HCHEM-0264793
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2021-10-06T02:31:51.000
Chemical Name: Dry Fertilizer Mixture
Common Name: FEATURE 6-0-0 15X3LB
Case Number: mixture

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HCHEM-0264794
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2021-10-06T02:31:51.000
Chemical Name: Liquid Fertilizer Mixture
Common Name: FEATURE AC15-00-00SIGA30GA(CA)
Case Number: mixture

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HCHEM-0264795
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2021-10-06T02:31:51.000
Chemical Name: FERROUS SULFATE HEPTAHYDRATE
Common Name: IRON SULFATE 20%/30%/Deep Green
Case Number: 7782-63-0

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HCHEM-0264798
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2021-10-06T02:31:51.000
Chemical Name: Liquid Fertilizer Mixture
Common Name: STARLINE 28-0-0 SIGA 2X2.5GA
Case Number: mixture

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HCHEM-0264799
Trade Secret: N
Hazardous Material Type: Mixture

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Last Updated: 2021-10-06T02:31:51.000
Chemical Name: Liquid Fertilizer Mixture
Common Name: STARLINE 2-0-26 SIGA 2X2.5GA
Case Number: mixture

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HCHEM-0264800
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2021-10-06T02:31:51.000
Chemical Name: Liquid Fertilizer Mixture
Common Name: STARPHITE 5-0-0 MIC MG MN-NATL 2X2.5GA
Case Number: mixture

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HCHEM-0264801
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2021-10-06T02:31:51.000
Chemical Name: Sulfur
Common Name: Sulfur Tiger 90
Case Number: 7704-34-9

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HCHEM-0264802
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2021-10-06T02:31:51.000
Chemical Name: Purified Phosphoric Acid
Common Name: 0-55-0 DRIP GRADE ACID FERTILIZER
Case Number: 7664-38-2

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HCHEM-0264803
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2021-10-06T02:31:51.000
Chemical Name: Ammonium Nitrate
Common Name: Calcium Ammonium Nitrate 17-0-0
Case Number: 6484-52-2

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HCHEM-0264804
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2021-10-06T02:31:51.000
Chemical Name: Ammonium Nitrate

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Common Name: AN-20
Case Number: 6484-52-2

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HCHEM-0264805
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2021-10-06T02:31:51.000
Chemical Name: UREA - AMMONIUM NITRATE SOLUTION
Common Name: 32-0-0 UAN SOLUTION
Case Number: 6484-52-2

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HCHEM-0264806
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2021-10-06T02:31:51.000
Chemical Name: POTASSIUM THIOSULFATE
Common Name: 0-0-25-17S KTS LIQUID
Case Number: 10294-66-3

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HCHEM-0264807
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2021-10-06T02:31:51.000
Chemical Name: Mono Carbamide Dihydrogen Sulfate
Common Name: 15/49 N/Phuric
Case Number: mixture

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HCHEM-0264808
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2021-10-06T02:31:51.000
Chemical Name: Hydrated Ammonium Calcium Nitrate Double Salt
Common Name: 9-0-0 CN Liq
Case Number: 252245-12-2

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HCHEM-0264809
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2021-10-06T02:31:51.000
Chemical Name: CAPTAN
Common Name: CAPTAN 80WDG
Case Number: 133-06-2

NUTRIEN AG SOLUTIONS-SAN MARCOS (Continued) **S106060673**

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HCHEM-0264810
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2021-10-06T02:31:51.000
Chemical Name: Pyrethroid Pesticide, Bifenthrin
Common Name: Capture 2EC-CAL
Case Number: 82657-04-3

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HCHEM-0264811
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2021-10-06T02:31:51.000
Chemical Name: Fungicide / Bactericide
Common Name: Cease
Case Number: MIXTURE

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HCHEM-0264812
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2021-10-06T02:31:51.000
Chemical Name: AQUEOUS MIXTURE OF SALTS
Common Name: CHOICE WEATHER MASTER
Case Number: MIXTURE

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HCHEM-0264813
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2021-10-06T02:31:51.000
Chemical Name: Propiconazole
Common Name: Concert II
Case Number: 60207-90-1

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HCHEM-0264814
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2021-10-06T02:31:51.000
Chemical Name: Copper Sulfate Pentahydrate
Common Name: Copper Sulfate
Case Number: 7758-99-8

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed

NUTRIEN AG SOLUTIONS-SAN MARCOS (Continued) **S106060673**

Active Permit: Y
Child Record Id: DEH2020-HCHEM-0264817
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2021-10-06T02:31:51.000
Chemical Name: Fungicide
Common Name: Cueva
Case Number: Mixture

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HCHEM-0264818
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2021-10-06T02:31:51.000
Chemical Name: Chlorothalonil
Common Name: Daconil Ultrex
Case Number: 1897-45-6

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HCHEM-0264819
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2021-10-06T02:31:51.000
Chemical Name: Chlorothalonil
Common Name: Daconil Weatherstik
Case Number: 1897-45-6

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HCHEM-0264820
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2021-10-06T02:31:51.000
Chemical Name: METALDEHYDE
Common Name: DEADLINE M-PS/Bullets
Case Number: 108-62-3

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HCHEM-0264821
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2021-10-06T02:31:51.000
Chemical Name: Diazinon
Common Name: Diazinon AG 500
Case Number: 333-41-5

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HCHEM-0264822

NUTRIEN AG SOLUTIONS-SAN MARCOS (Continued) **S106060673**

Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2021-10-06T02:31:51.000
Chemical Name: BACILLUS THURINGIENSIS, SUBSP. KURSTAKI
Common Name: DIPEL DF
Case Number: 68038-71-1

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HCHEM-0264823
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2021-10-06T02:31:51.000
Chemical Name: Ethanol
Common Name: Dip'N Grow
Case Number: 64-17-5

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HCHEM-0264824
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2021-10-06T02:31:51.000
Chemical Name: MANCOZEB
Common Name: DITHANE DF RAINSHIELD
Case Number: 8018-01-7

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HCHEM-0264825
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2021-10-06T02:31:51.000
Chemical Name: MYCLOBUTANIL
Common Name: EAGLE 20EW
Case Number: 88671-89-0

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HCHEM-0264826
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2021-10-06T02:31:51.000
Chemical Name: Chlorothalonil
Common Name: Ensign 720
Case Number: 1897-45-6

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HCHEM-0264827
Trade Secret: N
Hazardous Material Type: Mixture

NUTRIEN AG SOLUTIONS-SAN MARCOS (Continued) **S106060673**

Last Updated: 2021-10-06T02:31:51.000
Chemical Name: Iron Phosphaste
Common Name: FC Sluggo Snail & Slug Bait
Case Number: 10045-86-0

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HCHEM-0264828
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2021-10-06T02:31:51.000
Chemical Name: Sodium Ferric EDTA
Common Name: Ferroxx
Case Number: Mixture

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HCHEM-0264829
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2021-10-06T02:31:51.000
Chemical Name: Mancozeb
Common Name: Fore 80WP Rainshield
Case Number: 008018-01-7

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HCHEM-0264830
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2021-10-06T02:31:51.000
Chemical Name: COPPER SULFATE PENTAHYDRATE ALGAE CONTROL
Common Name: FORMULA F-30 ALGAE CONTROL
Case Number: 7758-99-8

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HCHEM-0264831
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2021-10-06T02:31:51.000
Chemical Name: Pendimethalin
Common Name: Freehand 1.75G
Case Number: 40487-42-1

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HCHEM-0264832
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2021-10-06T02:31:51.000
Chemical Name: Isoxaben

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Common Name:	Gallery 75 DF
Case Number:	082558-50-7
Record ID:	DEH2009-HUPFP-210762
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2020-HCHEM-0264833
Trade Secret:	N
Hazardous Material Type:	Mixture
Last Updated:	2021-10-06T02:31:51.000
Chemical Name:	Mineral Oil
Common Name:	Gavicide Green, Leaf Life
Case Number:	8042-47-6
Record ID:	DEH2009-HUPFP-210762
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2020-HCHEM-0264834
Trade Secret:	N
Hazardous Material Type:	Mixture
Last Updated:	2021-10-06T02:31:51.000
Chemical Name:	GLYPHOSATE - ISOPROPYLAMINE SALT
Common Name:	Glyphosphate Plus
Case Number:	38641-94-0
Record ID:	DEH2009-HUPFP-210762
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2020-HCHEM-0264835
Trade Secret:	N
Hazardous Material Type:	Mixture
Last Updated:	2021-10-06T02:31:51.000
Chemical Name:	Bacillus thuringiensis
Common Name:	Gnatrol WDG
Case Number:	mixture
Record ID:	DEH2009-HUPFP-210762
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2020-HCHEM-0264836
Trade Secret:	N
Hazardous Material Type:	Mixture
Last Updated:	2021-10-06T02:31:51.000
Chemical Name:	Paraquat Dichloride
Common Name:	Gramoxone SL
Case Number:	1910-42-5
Record ID:	DEH2009-HUPFP-210762
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2020-HCHEM-0264837
Trade Secret:	N
Hazardous Material Type:	Mixture
Last Updated:	2021-10-06T02:31:51.000
Chemical Name:	Sodium Percarbonate
Common Name:	GreenClean Pro
Case Number:	15630-89-4

NUTRIEN AG SOLUTIONS-SAN MARCOS (Continued) **S106060673**

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HCHEM-0264838
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2021-10-06T02:31:51.000
Chemical Name: Phosmet
Common Name: Imidian 70-W
Case Number: 732-11-6

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HCHEM-0264839
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2021-10-06T02:31:51.000
Chemical Name: Isopropylamine salt of glyphosate
Common Name: Kleen Up Pro
Case Number: 38641-94-0

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HCHEM-0264840
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2021-10-06T02:31:51.000
Chemical Name: COPPER HYDROXIDE
Common Name: KOCIDE 3000
Case Number: 20427-59-2

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HCHEM-0264841
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2021-10-06T02:31:51.000
Chemical Name: Bromacil
Common Name: Krovar DF
Case Number: 3147-40-9

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HCHEM-0264842
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2021-10-06T02:31:51.000
Chemical Name: BLEND OF METHYLACETIC ACID, LECITHIN & SURFACTANT
Common Name: LI 700
Case Number: 79-09-4

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed

NUTRIEN AG SOLUTIONS-SAN MARCOS (Continued) **S106060673**

Active Permit: Y
Child Record Id: DEH2020-HCHEM-0264843
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2021-10-06T02:31:51.000
Chemical Name: LECITHIN, METHYL ESTERS OF FATTY ACIDS, & ALCOHOL ETHOXYLATE
Common Name: LIBERATE WITH LECI-TECH
Case Number: 34398-01-1

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HCHEM-0264844
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2021-10-06T02:31:51.000
Chemical Name: CHLORPYRIFOS
Common Name: LORSBAN 15G
Case Number: 2921-88-2

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HCHEM-0264845
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2021-10-06T02:31:51.000
Chemical Name: Potassium Salts of Fatty Acids
Common Name: M-Pede
Case Number: 67701-09-1

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HCHEM-0264848
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2021-10-06T02:31:51.000
Chemical Name: Imidacloprid
Common Name: Malice 0.5 G 30 lbs
Case Number: 138261-41-3

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HCHEM-0264849
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2021-10-06T02:31:51.000
Chemical Name: Imidacloprid
Common Name: Marathon 1G
Case Number: 138261-41-3

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HCHEM-0264850

NUTRIEN AG SOLUTIONS-SAN MARCOS (Continued) **S106060673**

Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2021-10-06T02:31:51.000
Chemical Name: Imidacloprid
Common Name: MERIT 0.5 G
Case Number: MIXTURE

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HCHEM-0264851
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2021-10-06T02:31:51.000
Chemical Name: Metaldehyde
Common Name: Metaldehyde 3.5%
Case Number: 108-62-3

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HCHEM-0264852
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2021-10-06T02:31:51.000
Chemical Name: Metaldehyde
Common Name: Metaldehyde 7.5
Case Number: 108-62-3

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HCHEM-0264853
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2021-10-06T02:31:51.000
Chemical Name: Sulfur, micronized
Common Name: Microthiol Disperss
Case Number: 7704-34-9

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HCHEM-0264854
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2021-10-06T02:31:51.000
Chemical Name: Potassium Bicarbonate
Common Name: MILSTOP
Case Number: Mixture

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HCHEM-0264855
Trade Secret: N
Hazardous Material Type: Mixture

NUTRIEN AG SOLUTIONS-SAN MARCOS (Continued) **S106060673**

Last Updated: 2021-10-06T02:31:51.000
Chemical Name: Desinfectant
Common Name: Nacco San
Case Number: MIXTURE

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HCHEM-0264856
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2021-10-06T02:31:51.000
Chemical Name: Cuprous Oxide
Common Name: Nordox 75WG
Case Number: 1317-39-1

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HCHEM-0264857
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2021-10-06T02:31:51.000
Chemical Name: Copper hydroxide (Cu(OH)2)
Common Name: Nu-Cop 50 DF
Case Number: 20427-59-2

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HCHEM-0264858
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2021-10-06T02:31:51.000
Chemical Name: Oxyfluorfen
Common Name: OH2
Case Number: 42874-03-3

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HCHEM-0264859
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2021-10-06T02:31:51.000
Chemical Name: Distillates (petroleum), solvent-refined heavy paraffinic
Common Name: Oil Ultrapure
Case Number: 64741-88-4

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HCHEM-0264860
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2021-10-06T02:31:51.000
Chemical Name: Triclopyr, Butoxy Ethyl Ester

NUTRIEN AG SOLUTIONS-SAN MARCOS (Continued) **S106060673**

Common Name: Pathfinder II
Case Number: 64700-56-7

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HCHEM-0264861
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2021-10-06T02:31:51.000
Chemical Name: Diphacinone
Common Name: PCQ Bait
Case Number: 82-66-6

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HCHEM-0264862
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2021-10-06T02:31:51.000
Chemical Name: Quaternary ammonium compound
Common Name: Physan 20
Case Number: MIXTURE

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HCHEM-0264863
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2021-10-06T02:31:51.000
Chemical Name: Trinexapac-Ethyl
Common Name: Primo Maxx
Case Number: 95266-40-3

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HCHEM-0264864
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2021-10-06T02:31:51.000
Chemical Name: Propiconazole
Common Name: Procon Z
Case Number: 60207-90-1

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HCHEM-0264865
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2021-10-06T02:31:51.000
Chemical Name: Ethephon
Common Name: Proxy
Case Number: 16672-87-0

NUTRIEN AG SOLUTIONS-SAN MARCOS (Continued) **S106060673**

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HCHEM-0264866
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2021-10-06T02:31:51.000
Chemical Name: PYRETHRINS
Common Name: PYGANIC EC 1.4 II
Case Number: 8003-34-7

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HCHEM-0264867
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2021-10-06T02:31:51.000
Chemical Name: PYRETHRINS
Common Name: PYGANIC EC 5.0
Case Number: 8003-34-7

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HCHEM-0264868
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2021-10-06T02:31:51.000
Chemical Name: Ammonium Salt of Glyphosate
Common Name: Quikpro
Case Number: 40465-66-5

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HCHEM-0264869
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2021-10-06T02:31:51.000
Chemical Name: 2-Diphenylacetyl-1,3-Indandione
Common Name: Ramik Green Bait
Case Number: 82-66-6

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HCHEM-0264870
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2021-10-06T02:31:51.000
Chemical Name: Isopropylamine salt of glyphosate
Common Name: Ranger Pro
Case Number: 38641-94-0

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed

NUTRIEN AG SOLUTIONS-SAN MARCOS (Continued) **S106060673**

Active Permit: Y
Child Record Id: DEH2020-HCHEM-0264871
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2021-10-06T02:31:51.000
Chemical Name: Alkoxylated Polyols
Common Name: Revert
Case Number: MIXTURE

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HCHEM-0264872
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2021-10-06T02:31:51.000
Chemical Name: DIQUAT DIBROMIDE
Common Name: REWARD
Case Number: 85-00-7

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HCHEM-0264873
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2021-10-06T02:31:51.000
Chemical Name: Glyphosate-Isopropylamine
Common Name: Rodeo
Case Number: 38641-94-0

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HCHEM-0264876
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2021-10-06T02:31:51.000
Chemical Name: Potassium Salt of Glyphosate
Common Name: Roundup Pro Concentrate
Case Number: 70901-12-2

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HCHEM-0264877
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2021-10-06T02:31:51.000
Chemical Name: Potassium Salt of Glyphosate
Common Name: Roundup Promax/Custom
Case Number: 70901-12-1

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HCHEM-0264878

NUTRIEN AG SOLUTIONS-SAN MARCOS (Continued) **S106060673**

Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2021-10-06T02:31:51.000
Chemical Name: Oxyfluorfen
Common Name: Rout
Case Number: 42874-03-3

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HCHEM-0264879
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2021-10-06T02:31:51.000
Chemical Name: Dinotefuran
Common Name: Safari 20 SG
Case Number: 165252-70-0

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HCHEM-0264880
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2021-10-06T02:31:51.000
Chemical Name: Pelargonic Acid
Common Name: Scythe
Case Number: 112-05-0

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HCHEM-0264881
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2021-10-06T02:31:51.000
Chemical Name: SPINOSAD
Common Name: SEDUCE INSECT BAIT
Case Number: organic

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HCHEM-0264882
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2021-10-06T02:31:51.000
Chemical Name: CARBARYL
Common Name: SEVIN SL
Case Number: 63-25-3

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HCHEM-0264883
Trade Secret: N
Hazardous Material Type: Mixture

NUTRIEN AG SOLUTIONS-SAN MARCOS (Continued) **S106060673**

Last Updated: 2021-10-06T02:31:51.000
Chemical Name: Hydrogen Peroxide
Common Name: Sanidate 5.0 / 12.0
Case Number: 7722-84-1

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HCHEM-0264884
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2021-10-06T02:31:51.000
Chemical Name: Trifluralin
Common Name: Showcase
Case Number: 1582-09-8

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HCHEM-0264885
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2021-10-06T02:31:51.000
Chemical Name: Simazine
Common Name: Simazine 90 DF
Case Number: 122-34-9

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HCHEM-0264886
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2021-10-06T02:31:51.000
Chemical Name: Trifluralin
Common Name: Snapshot 2.5tg 50lb Dow Herbicide
Case Number: 082558-50-7

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HCHEM-0264887
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2021-10-06T02:31:51.000
Chemical Name: 2,4 D, 2-ethylhexyl ester
Common Name: Speed Zone Southern
Case Number: 1928-43-4

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HCHEM-0264888
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2021-10-06T02:31:51.000
Chemical Name: Mefenoxam

NUTRIEN AG SOLUTIONS-SAN MARCOS (Continued) **S106060673**

Common Name: Subdue Maxx
Case Number: 70630-17-0

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HCHEM-0264889
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2021-10-06T02:31:51.000
Chemical Name: Mefenoxam
Common Name: Subdue GR
Case Number: 70630-17-0

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HCHEM-0264890
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2021-10-06T02:31:51.000
Chemical Name: Sulfur
Common Name: Sulfur Dusting 98%
Case Number: 7704-34-9

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HCHEM-0264891
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2021-10-06T02:31:51.000
Chemical Name: Oryzalin
Common Name: Surflan AS
Case Number: 19044-88-3

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HCHEM-0264892
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2021-10-06T02:31:51.000
Chemical Name: ORYZALIN
Common Name: Surflan AS Speciality
Case Number: 19044-88-3

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HCHEM-0264896
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2021-10-06T02:31:51.000
Chemical Name: HYDROGEN DIOXIDE
Common Name: TERRACLEAN
Case Number: 7722-84-1

NUTRIEN AG SOLUTIONS-SAN MARCOS (Continued) **S106060673**

Record ID:	DEH2009-HUPFP-210762
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2020-HCHEM-0264897
Trade Secret:	N
Hazardous Material Type:	Mixture
Last Updated:	2021-10-06T02:31:51.000
Chemical Name:	CLARIDIED HYDROPHOBIC EXTACT OF NEEM OIL
Common Name:	Trilogy 70EC
Case Number:	947173-77-5

Record ID:	DEH2009-HUPFP-210762
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2020-HCHEM-0264898
Trade Secret:	N
Hazardous Material Type:	Mixture
Last Updated:	2021-10-06T02:31:51.000
Chemical Name:	OXAMYL
Common Name:	VYDATE L
Case Number:	23135-22-0

Record ID:	DEH2009-HUPFP-210762
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2020-HCHEM-0264904
Trade Secret:	N
Hazardous Material Type:	Mixture
Last Updated:	2021-10-06T02:31:51.000
Chemical Name:	Hydrogen Dioxide
Common Name:	Zerotol
Case Number:	7722-84-1

Record ID:	DEH2009-HUPFP-210762
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2020-HCHEM-0264905
Trade Secret:	N
Hazardous Material Type:	Pure
Last Updated:	2021-10-06T02:31:51.000
Chemical Name:	Propane
Common Name:	Liquified Petroleum Gas (lpg)
Case Number:	74-98-6

Record ID:	DEH2009-HUPFP-210762
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2017-HCHEM-0149422
Trade Secret:	N
Hazardous Material Type:	Mixture
Last Updated:	2017-09-07T02:32:58.000
Chemical Name:	Sulfate of Potash
Common Name:	0-0-50 GREENS 50#
Case Number:	mixture

Record ID:	DEH2009-HUPFP-210762
Permit Status:	Permit Renewed

NUTRIEN AG SOLUTIONS-SAN MARCOS (Continued) **S106060673**

Active Permit: Y
Child Record Id: DEH2017-HCHEM-0149428
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2017-09-07T02:32:58.000
Chemical Name: Monoammonium Phosphate
Common Name: 11-52-0 MAP Simplot 14010 50#
Case Number: 7722-76-1

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HCHEM-0149430
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2017-09-07T02:32:58.000
Chemical Name: Potassium Nitrate
Common Name: 13-0-46 MULTI-K MGN MIN PR 50#
Case Number: 7757-79-1

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HCHEM-0149434
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2017-09-07T02:32:58.000
Chemical Name: Dry Fertilizer Mixture
Common Name: 15-0-15 Peters PL Dark 99260
Case Number: mixture

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HCHEM-0149435
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2017-09-07T02:32:58.000
Chemical Name: Calcium Nitrate
Common Name: 15.5-0-0 Calcium Nitrate / Solution Grade
Case Number: 10124-37-5

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HCHEM-0149436
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2017-09-07T02:32:58.000
Chemical Name: Dry Fertilizer Mixture
Common Name: 15-5-15 Cal Mag
Case Number: mixture

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HCHEM-0149437

NUTRIEN AG SOLUTIONS-SAN MARCOS (Continued) **S106060673**

Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2017-09-07T02:32:58.000
Chemical Name: FERTILIZER MIXTURE
Common Name: 15-15-15 Hydroprills
Case Number: mixture

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HCHEM-0149444
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2017-09-07T02:32:58.000
Chemical Name: Dry Fertilizer Mixture
Common Name: 16-16-16 ME MINORS / Hydro
Case Number: mixture

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HCHEM-0149450
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2017-09-07T02:32:58.000
Chemical Name: Dry Fertilizer Mixture
Common Name: 19-2-12 Bloom Apex 50#
Case Number: mixture

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HCHEM-0149451
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2017-09-07T02:32:58.000
Chemical Name: Dry Fertilizer Mixture
Common Name: 19-6-13 APEX NPK/Osmocote 50#
Case Number: mixture

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HCHEM-0149456
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2017-09-07T02:32:58.000
Chemical Name: Dry Fertilizer Mixture
Common Name: 20-10-20 Peters/Plantex 25LB
Case Number: mixture

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HCHEM-0149457
Trade Secret: N
Hazardous Material Type: Mixture

NUTRIEN AG SOLUTIONS-SAN MARCOS (Continued) **S106060673**

Last Updated: 2017-09-07T02:32:58.000
Chemical Name: Dry Fertilizer Mixture
Common Name: 20-20-20 Peters/Plantex 25LB
Case Number: mixture

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HCHEM-0149459
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2017-09-07T02:32:58.000
Chemical Name: Amonium sulfate
Common Name: 21-0-0-24S AM SUL 50# PROLINE
Case Number: 7783-20-2

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HCHEM-0149462
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2017-09-07T02:32:58.000
Chemical Name: Dry Fertilizer Mixture
Common Name: 21-7-14 Turf Royale/YARA Mila
Case Number: Mixture

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HCHEM-0149467
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2017-09-07T02:32:58.000
Chemical Name: Dry Fertilizer Mixture
Common Name: 28-8-18 PROSOL 25#/Bent Special
Case Number: mixture

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HCHEM-0149470
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2017-09-07T02:32:58.000
Chemical Name: Dry Fertilizer Mixture
Common Name: 30-10-10 High Nitro Foliar
Case Number: mixture

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HCHEM-0149473
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2017-09-07T02:32:58.000
Chemical Name: UREA

NUTRIEN AG SOLUTIONS-SAN MARCOS (Continued) **S106060673**

Common Name:	43-0-0 Spread it Forget It
Case Number:	57-13-5
Record ID:	DEH2009-HUPFP-210762
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2017-HCHEM-0149474
Trade Secret:	N
Hazardous Material Type:	Mixture
Last Updated:	2017-09-07T02:32:58.000
Chemical Name:	UREA
Common Name:	46-0-0 (LOW BI UREA) 50#
Case Number:	57-13-6
Record ID:	DEH2009-HUPFP-210762
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2017-HCHEM-0149475
Trade Secret:	N
Hazardous Material Type:	Mixture
Last Updated:	2017-09-07T02:32:58.000
Chemical Name:	UREA
Common Name:	46-0-0 PRILLED UREA 50LB
Case Number:	57-13-6
Record ID:	DEH2009-HUPFP-210762
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2017-HCHEM-0149476
Trade Secret:	N
Hazardous Material Type:	Mixture
Last Updated:	2017-09-07T02:32:58.000
Chemical Name:	Dry Fertilizer Mixture
Common Name:	6-24-24 XB SIMPLOT
Case Number:	mixture
Record ID:	DEH2009-HUPFP-210762
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2017-HCHEM-0149477
Trade Secret:	N
Hazardous Material Type:	Mixture
Last Updated:	2017-09-07T02:32:58.000
Chemical Name:	Micronutrient
Common Name:	9-9-9 SUPER FE SIMP 50#
Case Number:	mixture
Record ID:	DEH2009-HUPFP-210762
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2017-HCHEM-0149478
Trade Secret:	N
Hazardous Material Type:	Mixture
Last Updated:	2017-09-07T02:32:58.000
Chemical Name:	Hydrated Sodium Calcium Aluminosilicate
Common Name:	AZOMITE MICRONIZED 44LB
Case Number:	1344-01-0

NUTRIEN AG SOLUTIONS-SAN MARCOS (Continued) **S106060673**

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HCHEM-0149479
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2017-09-07T02:32:58.000
Chemical Name: Calcium Sulfate
Common Name: CAL CM PLUS STD/MINI PRILL 50LB
Case Number: mixture

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HCHEM-0149480
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2017-09-07T02:32:58.000
Chemical Name: N-P-K Mixed dry blended fertilizer
Common Name: CAN 27 50LB
Case Number: mixture

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HCHEM-0149481
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2017-09-07T02:32:58.000
Chemical Name: Magnesium Sulfate
Common Name: EPSOTOP MAGNESIUM SULFATE 55.10LB
Case Number: 10034-99-8

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HCHEM-0149483
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2017-09-07T02:32:58.000
Chemical Name: Dry Fertilizer Mixture
Common Name: FEATURE 6-0-0 15X3LB
Case Number: mixture

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HCHEM-0149485
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2017-09-07T02:32:58.000
Chemical Name: FERROUS SULFATE HEPTAHYDRATE
Common Name: IRON SULFATE 20%/30%/Deep Green
Case Number: 7782-63-0

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed

NUTRIEN AG SOLUTIONS-SAN MARCOS (Continued) **S106060673**

Active Permit: Y
Child Record Id: DEH2017-HCHEM-0149486
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2017-09-07T02:32:58.000
Chemical Name: Water Soluble Fertilizer
Common Name: PETERS PRO GP 20-20-20 99290
Case Number: mixture

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HCHEM-0149491
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2017-09-07T02:32:58.000
Chemical Name: Sulfur
Common Name: Sulfur Tiger 90
Case Number: 7704-34-9

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HCHEM-0149492
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2017-09-07T02:32:58.000
Chemical Name: Purified Phosphoric Acid
Common Name: 0-55-0 DRIP GRADE ACID FERTILIZER
Case Number: 7664-38-2

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HCHEM-0149493
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2017-09-07T02:32:58.000
Chemical Name: Ammonium Nitrate
Common Name: Calcium Ammonium Nitrate 17-0-0
Case Number: 6484-52-2

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HCHEM-0149494
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2017-09-07T02:32:58.000
Chemical Name: Ammonium Nitrate
Common Name: AN-20
Case Number: 6484-52-2

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HCHEM-0149495

NUTRIEN AG SOLUTIONS-SAN MARCOS (Continued) **S106060673**

Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2017-09-07T02:32:58.000
Chemical Name: UREA - AMMONIUM NITRATE SOLUTION
Common Name: 32-0-0 UAN SOLUTION
Case Number: 6484-52-2

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HCHEM-0149496
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2017-09-07T02:32:58.000
Chemical Name: POTASSIUM THIOSULFATE
Common Name: 0-0-25-17S KTS LIQUID
Case Number: 10294-66-3

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HCHEM-0149497
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2017-09-07T02:32:58.000
Chemical Name: Mono Carbamide Dihydrogen Sulfate
Common Name: 15/49 N/Phuric
Case Number: mixture

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HCHEM-0149498
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2017-09-07T02:32:58.000
Chemical Name: Hydrated Ammonium Calcium Nitrate Double Salt
Common Name: 9-0-0 CN Liq
Case Number: 252245-12-2

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HCHEM-0149499
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2017-09-07T02:32:58.000
Chemical Name: CAPTAN
Common Name: CAPTAN 80WDG
Case Number: 133-06-2

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HCHEM-0149500
Trade Secret: N
Hazardous Material Type: Mixture

NUTRIEN AG SOLUTIONS-SAN MARCOS (Continued) **S106060673**

Last Updated: 2017-09-07T02:32:58.000
Chemical Name: Pyrethroid Pesticide
Common Name: Capture 2EC-CAL
Case Number: MIXTURE

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HCHEM-0149501
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2017-09-07T02:32:58.000
Chemical Name: Fungicide / Bactericide
Common Name: Cease
Case Number: MIXTURE

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HCHEM-0149502
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2017-09-07T02:32:58.000
Chemical Name: AQUEOUS MIXTURE OF SALTS
Common Name: CHOICE WEATHER MASTER
Case Number: MIXTURE

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HCHEM-0149503
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2017-09-07T02:32:58.000
Chemical Name: Propiconazole
Common Name: Concert II
Case Number: MIXTURE

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HCHEM-0149504
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2017-09-07T02:32:58.000
Chemical Name: Copper Sulfate Pentahydrate
Common Name: Copper Sulfate
Case Number: 7758-99-8

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HCHEM-0149505
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2017-09-07T02:32:58.000
Chemical Name: Sulfur

NUTRIEN AG SOLUTIONS-SAN MARCOS (Continued) **S106060673**

Common Name: Cosavet 80 DF
Case Number: 7704-34-9

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HCHEM-0149506
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2017-09-07T02:32:58.000
Chemical Name: ISOPROPYLAMINE SALT OF GLYPHOSATE
Common Name: CREDIT 41 EXTRA
Case Number: 38641-94-0

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HCHEM-0149507
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2017-09-07T02:32:58.000
Chemical Name: Fungicide
Common Name: Cueva
Case Number: Mixture

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HCHEM-0149508
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2017-09-07T02:32:58.000
Chemical Name: Chlorothalonil
Common Name: Daconil Ultrex
Case Number: 1897-45-6

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HCHEM-0149509
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2017-09-07T02:32:58.000
Chemical Name: Chlorothalonil
Common Name: Daconil Weatherstik
Case Number: 1897-45-6

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HCHEM-0149510
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2017-09-07T02:32:58.000
Chemical Name: METALDEHYDE
Common Name: DEADLINE M-PS/Bullets
Case Number: mixture

NUTRIEN AG SOLUTIONS-SAN MARCOS (Continued) **S106060673**

Record ID:	DEH2009-HUPFP-210762
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2017-HCHEM-0149511
Trade Secret:	N
Hazardous Material Type:	Mixture
Last Updated:	2017-09-07T02:32:58.000
Chemical Name:	Diazinon
Common Name:	Diazinon AG 500
Case Number:	333-41-5

Record ID:	DEH2009-HUPFP-210762
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2017-HCHEM-0149512
Trade Secret:	N
Hazardous Material Type:	Mixture
Last Updated:	2017-09-07T02:32:58.000
Chemical Name:	BACILLUS THURINGIENSIS, SUBSP. KURSTAKI
Common Name:	DIPEL DF
Case Number:	68038-71-1

Record ID:	DEH2009-HUPFP-210762
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2017-HCHEM-0149513
Trade Secret:	N
Hazardous Material Type:	Mixture
Last Updated:	2017-09-07T02:32:58.000
Chemical Name:	Ethyl Alcohol
Common Name:	Dip'N Grow
Case Number:	MIXTURE

Record ID:	DEH2009-HUPFP-210762
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2017-HCHEM-0149514
Trade Secret:	N
Hazardous Material Type:	Mixture
Last Updated:	2017-09-07T02:32:58.000
Chemical Name:	MANCOZEB
Common Name:	DITHANE DF RAINSHIELD
Case Number:	8018-01-7

Record ID:	DEH2009-HUPFP-210762
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2017-HCHEM-0149515
Trade Secret:	N
Hazardous Material Type:	Mixture
Last Updated:	2017-09-07T02:32:58.000
Chemical Name:	MYCLOBUTANIL
Common Name:	EAGLE 20EW
Case Number:	mixture

Record ID:	DEH2009-HUPFP-210762
Permit Status:	Permit Renewed

NUTRIEN AG SOLUTIONS-SAN MARCOS (Continued) **S106060673**

Active Permit: Y
Child Record Id: DEH2017-HCHEM-0149516
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2017-09-07T02:32:58.000
Chemical Name: Chlorothalonil
Common Name: Ensign 720
Case Number: 1897-45-6

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HCHEM-0149517
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2017-09-07T02:32:58.000
Chemical Name: Iron Phosphaste
Common Name: FC Sluggo Snail & Slug Bait
Case Number: 10045-86-0

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HCHEM-0149518
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2017-09-07T02:32:58.000
Chemical Name: Sodium Ferric EDTA
Common Name: Ferroxx
Case Number: Mixture

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HCHEM-0149519
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2017-09-07T02:32:58.000
Chemical Name: Mancozeb
Common Name: Fore 80WP Rainshield
Case Number: 008018-01-7

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HCHEM-0149520
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2017-09-07T02:32:58.000
Chemical Name: COPPER SULFATE PENTAHYDRATE ALGAE CONTROL
Common Name: FORMULA F-30 ALGAE CONTROL
Case Number: 7758-99-8

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HCHEM-0149521

NUTRIEN AG SOLUTIONS-SAN MARCOS (Continued) **S106060673**

Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2017-09-07T02:32:58.000
Chemical Name: Pendimethalin
Common Name: Freehand 1.75G
Case Number: 40487-42-1

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HCHEM-0149522
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2017-09-07T02:32:58.000
Chemical Name: Isoxaben
Common Name: Gallery 75 DF
Case Number: 082558-50-7

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HCHEM-0149523
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2017-09-07T02:32:58.000
Chemical Name: Mineral Oil
Common Name: Gavicide Green, Leaf Life
Case Number: 8042-47-6

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HCHEM-0149524
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2017-09-07T02:32:58.000
Chemical Name: GLYPHOSATE - ISOPROPYLAMINE SALT
Common Name: Glyphosphate Plus
Case Number: 38641-94-0

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HCHEM-0149526
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2017-09-07T02:32:58.000
Chemical Name: Paraquat Dichloride
Common Name: Gramoxone SL
Case Number: 1910-42-5

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HCHEM-0149527
Trade Secret: N
Hazardous Material Type: Mixture

NUTRIEN AG SOLUTIONS-SAN MARCOS (Continued) **S106060673**

Last Updated:	2017-09-07T02:32:58.000
Chemical Name:	Sodium Percarbonate
Common Name:	GreenClean Pro
Case Number:	mixture
Record ID:	DEH2009-HUPFP-210762
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2017-HCHEM-0149528
Trade Secret:	N
Hazardous Material Type:	Mixture
Last Updated:	2017-09-07T02:32:58.000
Chemical Name:	Phosmet
Common Name:	Imidian 70-W
Case Number:	732-11-6
Record ID:	DEH2009-HUPFP-210762
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2017-HCHEM-0149529
Trade Secret:	N
Hazardous Material Type:	Mixture
Last Updated:	2017-09-07T02:32:58.000
Chemical Name:	Isopropylamine salt of glyphosate
Common Name:	Kleen Up Pro
Case Number:	38641-94-0
Record ID:	DEH2009-HUPFP-210762
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2017-HCHEM-0149530
Trade Secret:	N
Hazardous Material Type:	Mixture
Last Updated:	2017-09-07T02:32:58.000
Chemical Name:	COPPER HYDROXIDE
Common Name:	KOCIDE 3000
Case Number:	20427-59-2
Record ID:	DEH2009-HUPFP-210762
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2017-HCHEM-0149531
Trade Secret:	N
Hazardous Material Type:	Mixture
Last Updated:	2017-09-07T02:32:58.000
Chemical Name:	Bromacil
Common Name:	Krovar DF
Case Number:	3147-40-9
Record ID:	DEH2009-HUPFP-210762
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2017-HCHEM-0149532
Trade Secret:	N
Hazardous Material Type:	Mixture
Last Updated:	2017-09-07T02:32:58.000
Chemical Name:	BLEND OF METHYLACETIC ACID, LECITHIN & SURFACTANT

NUTRIEN AG SOLUTIONS-SAN MARCOS (Continued) **S106060673**

Common Name:	LI 700
Case Number:	79-09-4
Record ID:	DEH2009-HUPFP-210762
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2017-HCHEM-0149533
Trade Secret:	N
Hazardous Material Type:	Mixture
Last Updated:	2017-09-07T02:32:58.000
Chemical Name:	LECITHIN, METHYL ESTERS OF FATTY ACIDS, & ALCOHOL ETHOXYLATE
Common Name:	LIBERATE WITH LECI-TECH
Case Number:	34398-01-1
Record ID:	DEH2009-HUPFP-210762
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2017-HCHEM-0149534
Trade Secret:	N
Hazardous Material Type:	Mixture
Last Updated:	2017-09-07T02:32:58.000
Chemical Name:	CHLORPYRIFOS
Common Name:	LORSBAN 15G
Case Number:	2921-88-2
Record ID:	DEH2009-HUPFP-210762
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2017-HCHEM-0149535
Trade Secret:	N
Hazardous Material Type:	Mixture
Last Updated:	2017-09-07T02:32:58.000
Chemical Name:	Potassium Laureate
Common Name:	M-Pede
Case Number:	MIXTURE
Record ID:	DEH2009-HUPFP-210762
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2017-HCHEM-0149536
Trade Secret:	N
Hazardous Material Type:	Mixture
Last Updated:	2017-09-07T02:32:58.000
Chemical Name:	GLYPHOSATE - ISOPROPYLAMINE SALT
Common Name:	MAKAZE
Case Number:	38641-94-0
Record ID:	DEH2009-HUPFP-210762
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2017-HCHEM-0149537
Trade Secret:	N
Hazardous Material Type:	Mixture
Last Updated:	2017-09-07T02:32:58.000
Chemical Name:	Malathion
Common Name:	Malathion 8 Aquamol
Case Number:	121-75-5

NUTRIEN AG SOLUTIONS-SAN MARCOS (Continued) **S106060673**

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HCHEM-0149538
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2017-09-07T02:32:58.000
Chemical Name: Imidacloprid
Common Name: Malice 0.5 G 30 lbs
Case Number: 138261-41-3

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HCHEM-0149539
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2017-09-07T02:32:58.000
Chemical Name: Imidacloprid
Common Name: Marathon 1G
Case Number: MIXTURE

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HCHEM-0149540
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2017-09-07T02:32:58.000
Chemical Name: IMIDACLOPRID
Common Name: MERIT 0.5 G
Case Number: MIXTURE

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HCHEM-0149541
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2017-09-07T02:32:58.000
Chemical Name: Metaldehyde
Common Name: Metaldehyde 3.5%
Case Number: 108-62-3

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HCHEM-0149542
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2017-09-07T02:32:58.000
Chemical Name: Metaldehyde
Common Name: Metaldehyde 7.5
Case Number: 108-62-3

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed

NUTRIEN AG SOLUTIONS-SAN MARCOS (Continued) **S106060673**

Active Permit: Y
Child Record Id: DEH2017-HCHEM-0149543
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2017-09-07T02:32:58.000
Chemical Name: Sulfur, micronized
Common Name: Microthiol Disperss
Case Number: 7704-34-9

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HCHEM-0149544
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2017-09-07T02:32:58.000
Chemical Name: Potassium Bicarbonate
Common Name: MILSTOP
Case Number: Mixture

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HCHEM-0149545
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2017-09-07T02:32:58.000
Chemical Name: Desinfectant
Common Name: Nacco San
Case Number: MIXTURE

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HCHEM-0149546
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2017-09-07T02:32:58.000
Chemical Name: Cuprous Oxide
Common Name: Nordox 75WG
Case Number: 1317-39-1

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HCHEM-0149547
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2017-09-07T02:32:58.000
Chemical Name: Copper hydroxide (Cu(OH)2)
Common Name: Nu-Cop 50 DF
Case Number: 20427-59-2

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HCHEM-0149548

NUTRIEN AG SOLUTIONS-SAN MARCOS (Continued) **S106060673**

Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2017-09-07T02:32:58.000
Chemical Name: Oxyfluorfen
Common Name: OH2
Case Number: 42874-03-3

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HCHEM-0149549
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2017-09-07T02:32:58.000
Chemical Name: Distillates (petroleum), solvent-refined heavy paraffinic
Common Name: Oil Ultrapure
Case Number: 64741-88-4

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HCHEM-0149550
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2017-09-07T02:32:58.000
Chemical Name: Triclopyr, Butoxy Ethyl Ester
Common Name: Pathfinder II
Case Number: 64700-56-7

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HCHEM-0149551
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2017-09-07T02:32:58.000
Chemical Name: Diphacinone
Common Name: PCQ Bait
Case Number: 82-66-6

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HCHEM-0149552
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2017-09-07T02:32:58.000
Chemical Name: Quaternary ammonium compound
Common Name: Physan 20
Case Number: MIXTURE

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HCHEM-0149553
Trade Secret: N
Hazardous Material Type: Mixture

NUTRIEN AG SOLUTIONS-SAN MARCOS (Continued) **S106060673**

Last Updated: 2017-09-07T02:32:58.000
Chemical Name: Trinexapac-Ethyl
Common Name: Primo Maxx
Case Number: 95266-40-3

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HCHEM-0149554
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2017-09-07T02:32:58.000
Chemical Name: Propiconazole
Common Name: Procon Z
Case Number: 60207-90-1

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HCHEM-0149555
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2017-09-07T02:32:58.000
Chemical Name: Ethephon
Common Name: Proxy
Case Number: 16672-87-0

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HCHEM-0149556
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2017-09-07T02:32:58.000
Chemical Name: PYRETHRINS
Common Name: PYGANIC EC 1.4 II
Case Number: Not reported

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HCHEM-0149557
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2017-09-07T02:32:58.000
Chemical Name: PYRETHRIN
Common Name: PYGANIC EC 5.0
Case Number: 00803-34-7

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HCHEM-0149558
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2017-09-07T02:32:58.000
Chemical Name: Ammonium Salt of Glyphosate

NUTRIEN AG SOLUTIONS-SAN MARCOS (Continued) **S106060673**

Common Name: Quikpro
Case Number: 114370-14-8

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HCHEM-0149559
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2017-09-07T02:32:58.000
Chemical Name: 2-Diphenylacetyl-1,3-Indandione
Common Name: Ramik Green Bait
Case Number: 82-66-6

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HCHEM-0149560
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2017-09-07T02:32:58.000
Chemical Name: Isopropylamine salt of glyphosate
Common Name: Ranger Pro
Case Number: 38641-94-0

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HCHEM-0149561
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2017-09-07T02:32:58.000
Chemical Name: Alkoxylated Polyols
Common Name: Revert
Case Number: MIXTURE

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HCHEM-0149562
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2017-09-07T02:32:58.000
Chemical Name: DIQUAT DIBROMIDE
Common Name: REWARD
Case Number: 85-00-7

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HCHEM-0149563
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2017-09-07T02:32:58.000
Chemical Name: Glyphosate-Isopropylamine
Common Name: Rodeo
Case Number: 38641-94-0

NUTRIEN AG SOLUTIONS-SAN MARCOS (Continued) **S106060673**

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HCHEM-0149564
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2017-09-07T02:32:58.000
Chemical Name: Oxadizon
Common Name: Ronstar G
Case Number: 19666-30-9

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HCHEM-0149565
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2017-09-07T02:32:58.000
Chemical Name: Potassium Salt of Glyphosate
Common Name: ROUNDUP POWERMAX
Case Number: 70901-12-1

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HCHEM-0149566
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2017-09-07T02:32:58.000
Chemical Name: Potassium Salt of Glyphosate
Common Name: Roundup Pro Concentrate
Case Number: 70901-12-2

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HCHEM-0149567
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2017-09-07T02:32:58.000
Chemical Name: Potassium Salt of Glyphosate
Common Name: Roundup Promax/Custom
Case Number: 70901-12-1

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HCHEM-0149568
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2017-09-07T02:32:58.000
Chemical Name: Oxyfluorfen
Common Name: Rout
Case Number: 42874-03-3

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed

NUTRIEN AG SOLUTIONS-SAN MARCOS (Continued) **S106060673**

Active Permit: Y
Child Record Id: DEH2017-HCHEM-0149569
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2017-09-07T02:32:58.000
Chemical Name: Dinotefuran
Common Name: Safari 20 SG
Case Number: 165252-70-0

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HCHEM-0149570
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2017-09-07T02:32:58.000
Chemical Name: Pelargonic Acid
Common Name: Scythe
Case Number: 112-05-0

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HCHEM-0149571
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2017-09-07T02:32:58.000
Chemical Name: SPINOSAD
Common Name: SEDUCE INSECT BAIT
Case Number: organic

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HCHEM-0149572
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2017-09-07T02:32:58.000
Chemical Name: CARBARYL
Common Name: SEVIN SL
Case Number: 63-25-3

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HCHEM-0149574
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2017-09-07T02:32:58.000
Chemical Name: Trifluralin
Common Name: Showcase
Case Number: MIXTURE

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HCHEM-0149575

NUTRIEN AG SOLUTIONS-SAN MARCOS (Continued) **S106060673**

Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2017-09-07T02:32:58.000
Chemical Name: Simazine
Common Name: Simazine 90 DF
Case Number: 122-34-9

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HCHEM-0149576
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2017-09-07T02:32:58.000
Chemical Name: Trifluralin
Common Name: Snapshot 2.5tg 50lb Dow Herbicide
Case Number: 082558-50-7

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HCHEM-0149577
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2017-09-07T02:32:58.000
Chemical Name: Not reported
Common Name: Speed Zone Southern
Case Number: Mixture

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HCHEM-0149578
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2017-09-07T02:32:58.000
Chemical Name: Mefenoxam
Common Name: Subdue Maxx
Case Number: 70630-17-0

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HCHEM-0149579
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2017-09-07T02:32:58.000
Chemical Name: Mefenoxam
Common Name: Subdue GR
Case Number: 70630-17-0

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HCHEM-0149580
Trade Secret: N
Hazardous Material Type: Mixture

NUTRIEN AG SOLUTIONS-SAN MARCOS (Continued) **S106060673**

Last Updated: 2017-09-07T02:32:58.000
Chemical Name: Sulfur
Common Name: Sulfur Dusting 98%
Case Number: 7704-34-9

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HCHEM-0149581
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2017-09-07T02:32:58.000
Chemical Name: Oryzalin
Common Name: Surflan AS
Case Number: 19044-88-3

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HCHEM-0149582
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2017-09-07T02:32:58.000
Chemical Name: ORYZALIN
Common Name: Surflan AS Speciality
Case Number: 19044-88-3

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HCHEM-0149583
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2017-09-07T02:32:58.000
Chemical Name: Kaolin, calcined
Common Name: Surround WP
Case Number: 1322-58-7

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HCHEM-0149584
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2017-09-07T02:32:58.000
Chemical Name: Bifenthrin
Common Name: Talstar Nursery Granular
Case Number: mixture

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HCHEM-0149585
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2017-09-07T02:32:58.000
Chemical Name: Monosodium methanearsonate

NUTRIEN AG SOLUTIONS-SAN MARCOS (Continued) **S106060673**

Common Name: Target 6 Plus
Case Number: 2163-80-6

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HCHEM-0149587
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2017-09-07T02:32:58.000
Chemical Name: CLARIDIED HYDROPHOBIC EXTACT OF NEEM OIL
Common Name: Trilogy 70EC
Case Number: 8002-65-1

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HCHEM-0149589
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2017-09-07T02:32:58.000
Chemical Name: Chlorpyrifos
Common Name: Warhawk
Case Number: 2921-88-2

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HCHEM-0149590
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2017-09-07T02:32:58.000
Chemical Name: ALUMINUM PHOSPHIDE
Common Name: WEEVIL-CIDE TABLETS
Case Number: 20859-73-8

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HCHEM-0149591
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2017-09-07T02:32:58.000
Chemical Name: POLYETHER-POLYMETHYLSILOXANE-COPOLYMER POLYETHER
Common Name: WIDESPREAD MAX (NON-IONIC WETTING AGENT/SPREADER/PEN SURFACT)
Case Number: Mixture

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HCHEM-0149593
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2017-09-07T02:32:58.000
Chemical Name: Imidacloprid
Common Name: Wrangler Insecticide
Case Number: 138261-41-3

NUTRIEN AG SOLUTIONS-SAN MARCOS (Continued) **S106060673**

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HCHEM-0149595
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2017-09-07T02:32:58.000
Chemical Name: Propane
Common Name: Liquified Petroleum Gas (lpg)
Case Number: 74-98-6

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2019-HCHEM-0226037
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2019-09-05T02:36:49.000
Chemical Name: Dry Fertilizer Mixture
Common Name: 0-0-22 K-MAG 11MG STD 50#
Case Number: mixture

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2019-HCHEM-0226038
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2019-09-05T02:36:49.000
Chemical Name: Sulfate of Potash
Common Name: 0-0-50 GREENS 50#
Case Number: mixture

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2019-HCHEM-0226039
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2019-09-05T02:36:49.000
Chemical Name: Monocalcium Phosphate
Common Name: 0-46-0 Apex 50#
Case Number: mixture

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2019-HCHEM-0226040
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2019-09-05T02:36:49.000
Chemical Name: Monocalcium Phosphate
Common Name: 0-45-0 TSP PROLINE 50#
Case Number: mixture

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed

NUTRIEN AG SOLUTIONS-SAN MARCOS (Continued) **S106060673**

Active Permit: Y
Child Record Id: DEH2019-HCHEM-0226041
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2019-09-05T02:36:49.000
Chemical Name: N-P-K Mixed dry blended fertilizer
Common Name: 5-3-2 LPI GRO OMRI 40#
Case Number: mixture

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2019-HCHEM-0226042
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2019-09-05T02:36:49.000
Chemical Name: Organic Fertilizer Custom Blend
Common Name: 7.5-5-7.5 with poultry meal
Case Number: mixture

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2019-HCHEM-0226043
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2019-09-05T02:36:49.000
Chemical Name: Organic Fertilizer Custom Blend
Common Name: 11-1-6 Organic Fertilizer
Case Number: mixture

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2019-HCHEM-0226044
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2019-09-05T02:36:49.000
Chemical Name: Monoammonium Phosphate
Common Name: 11-52-0 MAP Simplot 14010 50#
Case Number: 7722-76-1

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2019-HCHEM-0226045
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2019-09-05T02:36:49.000
Chemical Name: Dry Fertilizer Mixture
Common Name: 12-4-11/12-4-12 Apex Palm
Case Number: mixture

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2019-HCHEM-0226046

NUTRIEN AG SOLUTIONS-SAN MARCOS (Continued) **S106060673**

Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2019-09-05T02:36:49.000
Chemical Name: Potassium Nitrate
Common Name: 13-0-46 MULTI-K MGN MIN PR 50#
Case Number: 7757-79-1

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2019-HCHEM-0226047
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2019-09-05T02:36:49.000
Chemical Name: Dry Fertilizer Mixture
Common Name: 14-14-14 NPK APEX 50LB/Landscape color
Case Number: mixture

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2019-HCHEM-0226048
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2019-09-05T02:36:49.000
Chemical Name: Dry Fertilizer Mixture
Common Name: 14-4-9 SUPER PALM LPI SIG 50LB
Case Number: mixture

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2019-HCHEM-0226049
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2019-09-05T02:36:49.000
Chemical Name: Fertilizer with Prodiamine
Common Name: 15-0-15 SIG .37 EVADE
Case Number: mixture

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2019-HCHEM-0226050
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2019-09-05T02:36:49.000
Chemical Name: Dry Fertilizer Mixture
Common Name: 15-0-15 Peters PL Dark 99260
Case Number: mixture

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2019-HCHEM-0226051
Trade Secret: N
Hazardous Material Type: Mixture

NUTRIEN AG SOLUTIONS-SAN MARCOS (Continued) **S106060673**

Last Updated: 2019-09-05T02:36:49.000
Chemical Name: Calcium Nitrate
Common Name: 15.5-0-0 Calcium Nitrate / Solution Grade
Case Number: 10124-37-5

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2019-HCHEM-0226052
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2019-09-05T02:36:49.000
Chemical Name: Dry Fertilizer Mixture
Common Name: 15-5-15 Cal Mag
Case Number: mixture

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2019-HCHEM-0226055
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2019-09-05T02:36:49.000
Chemical Name: Fertilizer with Prodiamine
Common Name: 16-00-16 SIG STD .375 EVADE
Case Number: mixture

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2019-HCHEM-0226056
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2019-09-05T02:36:49.000
Chemical Name: Dry Fertilizer Mixture
Common Name: 16-6-8 TURF SUPREME 50LB
Case Number: mixture

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2019-HCHEM-0226057
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2019-09-05T02:36:49.000
Chemical Name: Dry Fertilizer Mixture
Common Name: 16-6-8 One Shot Simplot
Case Number: mixture

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2019-HCHEM-0226058
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2019-09-05T02:36:49.000
Chemical Name: Dry Fertilizer Mixture

NUTRIEN AG SOLUTIONS-SAN MARCOS (Continued) **S106060673**

Common Name: 16-6-8 with Trimec
Case Number: mixture

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2019-HCHEM-0226059
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2019-09-05T02:36:49.000
Chemical Name: Dry Fertilizer Mixture
Common Name: 16-9-12 Osmocote
Case Number: mixture

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2019-HCHEM-0226060
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2019-09-05T02:36:49.000
Chemical Name: Dry Fertilizer Mixture
Common Name: 16-16-16 ME MINORS / Hydro
Case Number: mixture

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2019-HCHEM-0226061
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2019-09-05T02:36:49.000
Chemical Name: Dry Fertilizer Mixture
Common Name: 16-20-0 PROLINE 50#
Case Number: mixture

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2019-HCHEM-0226062
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2019-09-05T02:36:49.000
Chemical Name: Dry Fertilizer Mixture
Common Name: 17-3-6 Topdress 4-6MO
Case Number: mixture

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2019-HCHEM-0226063
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2019-09-05T02:36:49.000
Chemical Name: N-P-K Mixed dry blended fertilizer
Common Name: 18-3-18 SIG 92BCMU GRN 50#
Case Number: mixture

NUTRIEN AG SOLUTIONS-SAN MARCOS (Continued) **S106060673**

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2019-HCHEM-0226064
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2019-09-05T02:36:49.000
Chemical Name: N-P-K Mixed dry blended fertilizer
Common Name: 18-4-9 5FE SIGNATURE 50LB
Case Number: mixture

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2019-HCHEM-0226065
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2019-09-05T02:36:49.000
Chemical Name: Dry Fertilizer Mixture
Common Name: 18-18-18 Multipurpose Low PH
Case Number: mixture

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2019-HCHEM-0226066
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2019-09-05T02:36:49.000
Chemical Name: Dry Fertilizer Mixture
Common Name: 19-2-12 Bloom Apex 50#
Case Number: mixture

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2019-HCHEM-0226067
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2019-09-05T02:36:49.000
Chemical Name: Dry Fertilizer Mixture
Common Name: 19-6-13 APEX NPK/Osmocote 50#
Case Number: mixture

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2019-HCHEM-0226068
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2019-09-05T02:36:49.000
Chemical Name: Dry Fertilizer Mixture
Common Name: 19-4-4 NITRA KING 50LB
Case Number: mixture

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed

NUTRIEN AG SOLUTIONS-SAN MARCOS (Continued) **S106060673**

Active Permit: Y
Child Record Id: DEH2019-HCHEM-0226069
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2019-09-05T02:36:49.000
Chemical Name: Dry Fertilizer Mixture
Common Name: 20-5-5 Topdress High Iron
Case Number: mixture

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2019-HCHEM-0226070
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2019-09-05T02:36:49.000
Chemical Name: Fertilizer Granules/Tablets
Common Name: 20-10-5 Best Paks/Agriform
Case Number: mixture

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2019-HCHEM-0226071
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2019-09-05T02:36:49.000
Chemical Name: Dry Fertilizer Mixture
Common Name: 20-10-20 Peters/Plantex 25LB
Case Number: mixture

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2019-HCHEM-0226072
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2019-09-05T02:36:49.000
Chemical Name: Dry Fertilizer Mixture
Common Name: 20-20-20 Peters/Plantex 25LB
Case Number: mixture

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2019-HCHEM-0226073
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2019-09-05T02:36:49.000
Chemical Name: Dry Fertilizer Mixture
Common Name: 20-9-9 SUPER BLEND 65UF 50LB LPI
Case Number: mixture

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2019-HCHEM-0226074

NUTRIEN AG SOLUTIONS-SAN MARCOS (Continued) **S106060673**

Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2019-09-05T02:36:49.000
Chemical Name: Amonium sulfate
Common Name: 21-0-0-24S AM SUL 50# PROLINE
Case Number: 7783-20-2

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2019-HCHEM-0226075
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2019-09-05T02:36:49.000
Chemical Name: Dry Fertilizer Mixture
Common Name: 21-5-6 APEX SUPER FE TOPDRS 50LB
Case Number: mixture

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2019-HCHEM-0226076
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2019-09-05T02:36:49.000
Chemical Name: Dry Fertilizer Mixture
Common Name: 21-7-6 Apex Cool Weather Blue
Case Number: mixture

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2019-HCHEM-0226077
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2019-09-05T02:36:49.000
Chemical Name: Dry Fertilizer Mixture
Common Name: 21-7-14 Turf Royale/YARA Mila
Case Number: Mixture

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2019-HCHEM-0226078
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2019-09-05T02:36:49.000
Chemical Name: Dry Fertilizer Mixture
Common Name: 22-5-10 LPI SIG
Case Number: mixture

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2019-HCHEM-0226079
Trade Secret: N
Hazardous Material Type: Mixture

NUTRIEN AG SOLUTIONS-SAN MARCOS (Continued) **S106060673**

Last Updated: 2019-09-05T02:36:49.000
Chemical Name: Dry Fertilizer Mixture
Common Name: 22-6-12 Apex NPK
Case Number: mixture

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2019-HCHEM-0226080
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2019-09-05T02:36:49.000
Chemical Name: Dry Fertilizer Mixture
Common Name: 24-4-8 LPI SIG 75BCMU 3.5FE 50LB
Case Number: mixture

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2019-HCHEM-0226081
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2019-09-05T02:36:49.000
Chemical Name: Dry Fertilizer Mixture
Common Name: 25-5-5 SUPER TURF 50#
Case Number: mixture

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2019-HCHEM-0226082
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2019-09-05T02:36:49.000
Chemical Name: Dry Fertilizer Mixture
Common Name: 28-8-18 PROSOL 25#/Bent Special
Case Number: mixture

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2019-HCHEM-0226083
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2019-09-05T02:36:49.000
Chemical Name: Dry Fertilizer Mixture
Common Name: 29-7-0 Hines Preplant Mix
Case Number: mixture

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2019-HCHEM-0226084
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2019-09-05T02:36:49.000
Chemical Name: N-P-K Mixed dry blended fertilizer

NUTRIEN AG SOLUTIONS-SAN MARCOS (Continued) **S106060673**

Common Name: 30-5-10 High Iron XCU-DUR LPI SIG 50#
Case Number: mixture

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2019-HCHEM-0226085
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2019-09-05T02:36:49.000
Chemical Name: Dry Fertilizer Mixture
Common Name: 30-10-10 High Nitro Foliar
Case Number: mixture

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2019-HCHEM-0226086
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2019-09-05T02:36:49.000
Chemical Name: Dry Fertilizer Mixture
Common Name: 32-2-8 LPI SIG 50XCU 50#
Case Number: mixture

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2019-HCHEM-0226087
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2019-09-05T02:36:49.000
Chemical Name: Dry Fertilizer Mixture
Common Name: 39-0-0 Nitroform Std/Mini/Chip/Powder
Case Number: mixture

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2019-HCHEM-0226088
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2019-09-05T02:36:49.000
Chemical Name: UREA
Common Name: 43-0-0 Spread it Forget It
Case Number: 57-13-5

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2019-HCHEM-0226089
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2019-09-05T02:36:49.000
Chemical Name: UREA
Common Name: 46-0-0 (LOW BI UREA) 50#
Case Number: 57-13-6

NUTRIEN AG SOLUTIONS-SAN MARCOS (Continued) **S106060673**

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2019-HCHEM-0226090
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2019-09-05T02:36:49.000
Chemical Name: UREA
Common Name: 46-0-0 PRILLED UREA 50LB
Case Number: 57-13-6

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2019-HCHEM-0226091
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2019-09-05T02:36:49.000
Chemical Name: Dry Fertilizer Mixture
Common Name: 6-24-24 XB SIMPLOT
Case Number: mixture

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2019-HCHEM-0226092
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2019-09-05T02:36:49.000
Chemical Name: Micronutrient
Common Name: 9-9-9 SUPER FE SIMP 50#
Case Number: mixture

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2019-HCHEM-0226093
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2019-09-05T02:36:49.000
Chemical Name: Hydrated Sodium Calcium Aluminosilicate
Common Name: AZOMITE MICRONIZED 44LB
Case Number: 1344-01-0

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2019-HCHEM-0226094
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2019-09-05T02:36:49.000
Chemical Name: Calcium Sulfate
Common Name: CAL CM PLUS STD/MINI PRILL 50LB
Case Number: mixture

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed

NUTRIEN AG SOLUTIONS-SAN MARCOS (Continued) **S106060673**

Active Permit: Y
Child Record Id: DEH2019-HCHEM-0226095
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2019-09-05T02:36:49.000
Chemical Name: N-P-K Mixed dry blended fertilizer
Common Name: CAN 27 50LB
Case Number: mixture

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2019-HCHEM-0226096
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2019-09-05T02:36:49.000
Chemical Name: Magnesium Sulfate
Common Name: EPSOTOP MAGNESIUM SULFATE 55.10LB
Case Number: 10034-99-8

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2019-HCHEM-0226097
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2019-09-05T02:36:49.000
Chemical Name: Monopotasassium Phosphate
Common Name: FC KEEP 0-52-34
Case Number: 7778-77-0

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2019-HCHEM-0226098
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2019-09-05T02:36:49.000
Chemical Name: Dry Fertilizer Mixture
Common Name: FEATURE 6-0-0 15X3LB
Case Number: mixture

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2019-HCHEM-0226099
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2019-09-05T02:36:49.000
Chemical Name: Liquid Fertilizer Mixture
Common Name: FEATURE AC15-00-00SIGA30GA(CA)
Case Number: mixture

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2019-HCHEM-0226100

NUTRIEN AG SOLUTIONS-SAN MARCOS (Continued) **S106060673**

Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2019-09-05T02:36:49.000
Chemical Name: FERROUS SULFATE HEPTAHYDRATE
Common Name: IRON SULFATE 20%/30%/Deep Green
Case Number: 7782-63-0

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2019-HCHEM-0226101
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2019-09-05T02:36:49.000
Chemical Name: Water Soluble Fertilizer
Common Name: PETERS PRO GP 20-20-20 99290
Case Number: mixture

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2019-HCHEM-0226102
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2019-09-05T02:36:49.000
Chemical Name: Acid-Surfactant blend
Common Name: PHACID Sprayable 2x2.5
Case Number: mixture

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2019-HCHEM-0226103
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2019-09-05T02:36:49.000
Chemical Name: Liquid Fertilizer Mixture
Common Name: STARLINE 28-0-0 SIGA 2X2.5GA
Case Number: mixture

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2019-HCHEM-0226104
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2019-09-05T02:36:49.000
Chemical Name: Liquid Fertilizer Mixture
Common Name: STARLINE 2-0-26 SIGA 2X2.5GA
Case Number: mixture

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2019-HCHEM-0226105
Trade Secret: N
Hazardous Material Type: Mixture

NUTRIEN AG SOLUTIONS-SAN MARCOS (Continued) **S106060673**

Last Updated: 2019-09-05T02:36:49.000
Chemical Name: Liquid Fertilizer Mixture
Common Name: STARPHITE 5-0-0 MIC MG MN-NATL 2X2.5GA
Case Number: mixture

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2019-HCHEM-0226106
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2019-09-05T02:36:49.000
Chemical Name: Sulfur
Common Name: Sulfur Tiger 90
Case Number: 7704-34-9

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2019-HCHEM-0226107
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2019-09-05T02:36:49.000
Chemical Name: Purified Phosphoric Acid
Common Name: 0-55-0 DRIP GRADE ACID FERTILIZER
Case Number: 7664-38-2

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2019-HCHEM-0226108
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2019-09-05T02:36:49.000
Chemical Name: Ammonium Nitrate
Common Name: Calcium Ammonium Nitrate 17-0-0
Case Number: 6484-52-2

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2019-HCHEM-0226109
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2019-09-05T02:36:49.000
Chemical Name: Ammonium Nitrate
Common Name: AN-20
Case Number: 6484-52-2

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2019-HCHEM-0226110
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2019-09-05T02:36:49.000
Chemical Name: UREA - AMMONIUM NITRATE SOLUTION

NUTRIEN AG SOLUTIONS-SAN MARCOS (Continued) **S106060673**

Common Name: 32-0-0 UAN SOLUTION
Case Number: 6484-52-2

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2019-HCHEM-0226111
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2019-09-05T02:36:49.000
Chemical Name: POTASSIUM THIOSULFATE
Common Name: 0-0-25-17S KTS LIQUID
Case Number: 10294-66-3

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2019-HCHEM-0226112
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2019-09-05T02:36:49.000
Chemical Name: Mono Carbamide Dihydrogen Sulfate
Common Name: 15/49 N/Phuric
Case Number: mixture

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2019-HCHEM-0226113
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2019-09-05T02:36:49.000
Chemical Name: Hydrated Ammonium Calcium Nitrate Double Salt
Common Name: 9-0-0 CN Liq
Case Number: 252245-12-2

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2019-HCHEM-0226114
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2019-09-05T02:36:49.000
Chemical Name: CAPTAN
Common Name: CAPTAN 80WDG
Case Number: 133-06-2

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2019-HCHEM-0226115
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2019-09-05T02:36:49.000
Chemical Name: Pyrethroid Pesticide, Bifenthrin
Common Name: Capture 2EC-CAL
Case Number: 82657-04-3

NUTRIEN AG SOLUTIONS-SAN MARCOS (Continued) **S106060673**

Record ID:	DEH2009-HUPFP-210762
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2019-HCHEM-0226116
Trade Secret:	N
Hazardous Material Type:	Mixture
Last Updated:	2019-09-05T02:36:49.000
Chemical Name:	Fungicide / Bactericide
Common Name:	Cease
Case Number:	MIXTURE

Record ID:	DEH2009-HUPFP-210762
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2019-HCHEM-0226117
Trade Secret:	N
Hazardous Material Type:	Mixture
Last Updated:	2019-09-05T02:36:49.000
Chemical Name:	AQUEOUS MIXTURE OF SALTS
Common Name:	CHOICE WEATHER MASTER
Case Number:	MIXTURE

Record ID:	DEH2009-HUPFP-210762
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2019-HCHEM-0226118
Trade Secret:	N
Hazardous Material Type:	Mixture
Last Updated:	2019-09-05T02:36:49.000
Chemical Name:	Propiconazole
Common Name:	Concert II
Case Number:	60207-90-1

Record ID:	DEH2009-HUPFP-210762
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2019-HCHEM-0226119
Trade Secret:	N
Hazardous Material Type:	Pure
Last Updated:	2019-09-05T02:36:49.000
Chemical Name:	Copper Sulfate Pentahydrate
Common Name:	Copper Sulfate
Case Number:	7758-99-8

Record ID:	DEH2009-HUPFP-210762
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2019-HCHEM-0226120
Trade Secret:	N
Hazardous Material Type:	Mixture
Last Updated:	2019-09-05T02:36:49.000
Chemical Name:	Sulfur
Common Name:	Cosavet 80 DF
Case Number:	7704-34-9

Record ID:	DEH2009-HUPFP-210762
Permit Status:	Permit Renewed

NUTRIEN AG SOLUTIONS-SAN MARCOS (Continued) **S106060673**

Active Permit: Y
Child Record Id: DEH2019-HCHEM-0226121
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2019-09-05T02:36:49.000
Chemical Name: ISOPROPYLAMINE SALT OF GLYPHOSATE
Common Name: CREDIT 41 EXTRA
Case Number: 38641-94-0

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2019-HCHEM-0226122
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2019-09-05T02:36:49.000
Chemical Name: Fungicide
Common Name: Cueva
Case Number: Mixture

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2019-HCHEM-0226123
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2019-09-05T02:36:49.000
Chemical Name: Chlorothalonil
Common Name: Daconil Ultrex
Case Number: 1897-45-6

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2019-HCHEM-0226124
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2019-09-05T02:36:49.000
Chemical Name: Chlorothalonil
Common Name: Daconil Weatherstik
Case Number: 1897-45-6

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2019-HCHEM-0226125
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2019-09-05T02:36:49.000
Chemical Name: METALDEHYDE
Common Name: DEADLINE M-PS/Bullets
Case Number: 108-62-3

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2019-HCHEM-0226126

NUTRIEN AG SOLUTIONS-SAN MARCOS (Continued) **S106060673**

Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2019-09-05T02:36:49.000
Chemical Name: Diazinon
Common Name: Diazinon AG 500
Case Number: 333-41-5

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2019-HCHEM-0226127
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2019-09-05T02:36:49.000
Chemical Name: BACILLUS THURINGIENSIS, SUBSP. KURSTAKI
Common Name: DIPEL DF
Case Number: 68038-71-1

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2019-HCHEM-0226128
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2019-09-05T02:36:49.000
Chemical Name: Ethanol
Common Name: Dip'N Grow
Case Number: 64-17-5

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2019-HCHEM-0226129
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2019-09-05T02:36:49.000
Chemical Name: MANCOZEB
Common Name: DITHANE DF RAINSHIELD
Case Number: 8018-01-7

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2019-HCHEM-0226130
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2019-09-05T02:36:49.000
Chemical Name: MYCLOBUTANIL
Common Name: EAGLE 20EW
Case Number: 88671-89-0

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2019-HCHEM-0226131
Trade Secret: N
Hazardous Material Type: Mixture

NUTRIEN AG SOLUTIONS-SAN MARCOS (Continued) **S106060673**

Last Updated: 2019-09-05T02:36:49.000
Chemical Name: Chlorothalonil
Common Name: Ensign 720
Case Number: 1897-45-6

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2019-HCHEM-0226132
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2019-09-05T02:36:49.000
Chemical Name: Iron Phosphaste
Common Name: FC Sluggo Snail & Slug Bait
Case Number: 10045-86-0

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2019-HCHEM-0226133
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2019-09-05T02:36:49.000
Chemical Name: Sodium Ferric EDTA
Common Name: Ferroxx
Case Number: Mixture

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2019-HCHEM-0226134
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2019-09-05T02:36:49.000
Chemical Name: Mancozeb
Common Name: Fore 80WP Rainshield
Case Number: 008018-01-7

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2019-HCHEM-0226135
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2019-09-05T02:36:49.000
Chemical Name: COPPER SULFATE PENTAHYDRATE ALGAE CONTROL
Common Name: FORMULA F-30 ALGAE CONTROL
Case Number: 7758-99-8

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2019-HCHEM-0226136
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2019-09-05T02:36:49.000
Chemical Name: Pendimethalin

NUTRIEN AG SOLUTIONS-SAN MARCOS (Continued) **S106060673**

Common Name: Freehand 1.75G
Case Number: 40487-42-1

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2019-HCHEM-0226137
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2019-09-05T02:36:49.000
Chemical Name: Isoxaben
Common Name: Gallery 75 DF
Case Number: 082558-50-7

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2019-HCHEM-0226138
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2019-09-05T02:36:49.000
Chemical Name: Mineral Oil
Common Name: Gavicide Green, Leaf Life
Case Number: 8042-47-6

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2019-HCHEM-0226139
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2019-09-05T02:36:49.000
Chemical Name: GLYPHOSATE - ISOPROPYLAMINE SALT
Common Name: Glyphosphate Plus
Case Number: 38641-94-0

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2019-HCHEM-0226140
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2019-09-05T02:36:49.000
Chemical Name: Bacillus thuringiensis
Common Name: Gnatrol WDG
Case Number: mixture

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2019-HCHEM-0226141
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2019-09-05T02:36:49.000
Chemical Name: Paraquat Dichloride
Common Name: Gramoxone SL
Case Number: 1910-42-5

NUTRIEN AG SOLUTIONS-SAN MARCOS (Continued) **S106060673**

Record ID:	DEH2009-HUPFP-210762
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2019-HCHEM-0226142
Trade Secret:	N
Hazardous Material Type:	Mixture
Last Updated:	2019-09-05T02:36:49.000
Chemical Name:	Sodium Percarbonate
Common Name:	GreenClean Pro
Case Number:	15630-89-4

Record ID:	DEH2009-HUPFP-210762
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2019-HCHEM-0226143
Trade Secret:	N
Hazardous Material Type:	Mixture
Last Updated:	2019-09-05T02:36:49.000
Chemical Name:	Phosmet
Common Name:	Imidian 70-W
Case Number:	732-11-6

Record ID:	DEH2009-HUPFP-210762
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2019-HCHEM-0226144
Trade Secret:	N
Hazardous Material Type:	Mixture
Last Updated:	2019-09-05T02:36:49.000
Chemical Name:	Isopropylamine salt of glyphosate
Common Name:	Kleen Up Pro
Case Number:	38641-94-0

Record ID:	DEH2009-HUPFP-210762
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2019-HCHEM-0226145
Trade Secret:	N
Hazardous Material Type:	Mixture
Last Updated:	2019-09-05T02:36:49.000
Chemical Name:	COPPER HYDROXIDE
Common Name:	KOCIDE 3000
Case Number:	20427-59-2

Record ID:	DEH2009-HUPFP-210762
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2019-HCHEM-0226146
Trade Secret:	N
Hazardous Material Type:	Mixture
Last Updated:	2019-09-05T02:36:49.000
Chemical Name:	Bromacil
Common Name:	Krovar DF
Case Number:	3147-40-9

Record ID:	DEH2009-HUPFP-210762
Permit Status:	Permit Renewed

NUTRIEN AG SOLUTIONS-SAN MARCOS (Continued) **S106060673**

Active Permit: Y
Child Record Id: DEH2019-HCHEM-0226147
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2019-09-05T02:36:49.000
Chemical Name: BLEND OF METHYLACETIC ACID, LECITHIN & SURFACTANT
Common Name: LI 700
Case Number: 79-09-4

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2019-HCHEM-0226148
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2019-09-05T02:36:49.000
Chemical Name: LECITHIN, METHYL ESTERS OF FATTY ACIDS, & ALCOHOL ETHOXYLATE
Common Name: LIBERATE WITH LECI-TECH
Case Number: 34398-01-1

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2019-HCHEM-0226149
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2019-09-05T02:36:49.000
Chemical Name: CHLORPYRIFOS
Common Name: LORSBAN 15G
Case Number: 2921-88-2

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2019-HCHEM-0226150
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2019-09-05T02:36:49.000
Chemical Name: Potassium Salts of Fatty Acids
Common Name: M-Pede
Case Number: 67701-09-1

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2019-HCHEM-0226151
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2019-09-05T02:36:49.000
Chemical Name: GLYPHOSATE - ISOPROPYLAMINE SALT
Common Name: MAKAZE
Case Number: 38641-94-0

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2019-HCHEM-0226152

NUTRIEN AG SOLUTIONS-SAN MARCOS (Continued) **S106060673**

Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2019-09-05T02:36:49.000
Chemical Name: Malathion
Common Name: Malathion 8 Aquamol
Case Number: 121-75-5

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2019-HCHEM-0226153
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2019-09-05T02:36:49.000
Chemical Name: Imidacloprid
Common Name: Malice 0.5 G 30 lbs
Case Number: 138261-41-3

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2019-HCHEM-0226154
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2019-09-05T02:36:49.000
Chemical Name: Imidacloprid
Common Name: Marathon 1G
Case Number: 138261-41-3

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2019-HCHEM-0226155
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2019-09-05T02:36:49.000
Chemical Name: Imidacloprid
Common Name: MERIT 0.5 G
Case Number: MIXTURE

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2019-HCHEM-0226156
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2019-09-05T02:36:49.000
Chemical Name: Metaldehyde
Common Name: Metaldehyde 3.5%
Case Number: 108-62-3

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2019-HCHEM-0226157
Trade Secret: N
Hazardous Material Type: Mixture

NUTRIEN AG SOLUTIONS-SAN MARCOS (Continued) **S106060673**

Last Updated: 2019-09-05T02:36:49.000
Chemical Name: Metaldehyde
Common Name: Metaldehyde 7.5
Case Number: 108-62-3

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2019-HCHEM-0226158
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2019-09-05T02:36:49.000
Chemical Name: Sulfur, micronized
Common Name: Microthiol Disperss
Case Number: 7704-34-9

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2019-HCHEM-0226159
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2019-09-05T02:36:49.000
Chemical Name: Potassium Bicarbonate
Common Name: MILSTOP
Case Number: Mixture

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2019-HCHEM-0226160
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2019-09-05T02:36:49.000
Chemical Name: Desinfectant
Common Name: Nacco San
Case Number: MIXTURE

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2019-HCHEM-0226161
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2019-09-05T02:36:49.000
Chemical Name: Cuprous Oxide
Common Name: Nordox 75WG
Case Number: 1317-39-1

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2019-HCHEM-0226162
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2019-09-05T02:36:49.000
Chemical Name: Copper hydroxide (Cu(OH)2)

NUTRIEN AG SOLUTIONS-SAN MARCOS (Continued) **S106060673**

Common Name:	Nu-Cop 50 DF
Case Number:	20427-59-2
Record ID:	DEH2009-HUPFP-210762
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2019-HCHEM-0226163
Trade Secret:	N
Hazardous Material Type:	Mixture
Last Updated:	2019-09-05T02:36:49.000
Chemical Name:	Oxyfluorfen
Common Name:	OH2
Case Number:	42874-03-3
Record ID:	DEH2009-HUPFP-210762
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2019-HCHEM-0226164
Trade Secret:	N
Hazardous Material Type:	Mixture
Last Updated:	2019-09-05T02:36:49.000
Chemical Name:	Distillates (petroleum), solvent-refined heavy paraffinic
Common Name:	Oil Ultrapure
Case Number:	64741-88-4
Record ID:	DEH2009-HUPFP-210762
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2019-HCHEM-0226165
Trade Secret:	N
Hazardous Material Type:	Mixture
Last Updated:	2019-09-05T02:36:49.000
Chemical Name:	Triclopyr, Butoxy Ethyl Ester
Common Name:	Pathfinder II
Case Number:	64700-56-7
Record ID:	DEH2009-HUPFP-210762
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2019-HCHEM-0226166
Trade Secret:	N
Hazardous Material Type:	Mixture
Last Updated:	2019-09-05T02:36:49.000
Chemical Name:	Diphacinone
Common Name:	PCQ Bait
Case Number:	82-66-6
Record ID:	DEH2009-HUPFP-210762
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2019-HCHEM-0226167
Trade Secret:	N
Hazardous Material Type:	Mixture
Last Updated:	2019-09-05T02:36:49.000
Chemical Name:	Quaternary ammonium compound
Common Name:	Physan 20
Case Number:	MIXTURE

NUTRIEN AG SOLUTIONS-SAN MARCOS (Continued) **S106060673**

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2019-HCHEM-0226168
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2019-09-05T02:36:49.000
Chemical Name: Trinexapac-Ethyl
Common Name: Primo Maxx
Case Number: 95266-40-3

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2019-HCHEM-0226169
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2019-09-05T02:36:49.000
Chemical Name: Propiconazole
Common Name: Procon Z
Case Number: 60207-90-1

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2019-HCHEM-0226170
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2019-09-05T02:36:49.000
Chemical Name: Ethephon
Common Name: Proxy
Case Number: 16672-87-0

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2019-HCHEM-0226171
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2019-09-05T02:36:49.000
Chemical Name: PYRETHRINS
Common Name: PYGANIC EC 1.4 II
Case Number: 8003-34-7

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2019-HCHEM-0226172
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2019-09-05T02:36:49.000
Chemical Name: PYRETHRINS
Common Name: PYGANIC EC 5.0
Case Number: 8003-34-7

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed

NUTRIEN AG SOLUTIONS-SAN MARCOS (Continued) **S106060673**

Active Permit: Y
Child Record Id: DEH2019-HCHEM-0226173
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2019-09-05T02:36:49.000
Chemical Name: Ammonium Salt of Glyphosate
Common Name: Quikpro
Case Number: 40465-66-5

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2019-HCHEM-0226174
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2019-09-05T02:36:49.000
Chemical Name: 2-Diphenylacetyl-1,3-Indandione
Common Name: Ramik Green Bait
Case Number: 82-66-6

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2019-HCHEM-0226175
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2019-09-05T02:36:49.000
Chemical Name: Isopropylamine salt of glyphosate
Common Name: Ranger Pro
Case Number: 38641-94-0

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2019-HCHEM-0226176
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2019-09-05T02:36:49.000
Chemical Name: Alkoxylated Polyols
Common Name: Revert
Case Number: MIXTURE

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2019-HCHEM-0226177
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2019-09-05T02:36:49.000
Chemical Name: DIQUAT DIBROMIDE
Common Name: REWARD
Case Number: 85-00-7

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2019-HCHEM-0226178

NUTRIEN AG SOLUTIONS-SAN MARCOS (Continued) **S106060673**

Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2019-09-05T02:36:49.000
Chemical Name: Glyphosate-Isopropylamine
Common Name: Rodeo
Case Number: 38641-94-0

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2019-HCHEM-0226179
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2019-09-05T02:36:49.000
Chemical Name: Oxadizon
Common Name: Ronstar G
Case Number: 19666-30-9

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2019-HCHEM-0226180
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2019-09-05T02:36:49.000
Chemical Name: Potassium Salt of Glyphosate
Common Name: ROUNDUP POWERMAX
Case Number: 70901-12-1

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2019-HCHEM-0226181
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2019-09-05T02:36:49.000
Chemical Name: Potassium Salt of Glyphosate
Common Name: Roundup Pro Concentrate
Case Number: 70901-12-2

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2019-HCHEM-0226182
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2019-09-05T02:36:49.000
Chemical Name: Potassium Salt of Glyphosate
Common Name: Roundup Promax/Custom
Case Number: 70901-12-1

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2019-HCHEM-0226183
Trade Secret: N
Hazardous Material Type: Mixture

NUTRIEN AG SOLUTIONS-SAN MARCOS (Continued) **S106060673**

Last Updated: 2019-09-05T02:36:49.000
Chemical Name: Oxyfluorfen
Common Name: Rout
Case Number: 42874-03-3

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2019-HCHEM-0226184
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2019-09-05T02:36:49.000
Chemical Name: Dinotefuran
Common Name: Safari 20 SG
Case Number: 165252-70-0

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2019-HCHEM-0226185
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2019-09-05T02:36:49.000
Chemical Name: Pelargonic Acid
Common Name: Scythe
Case Number: 112-05-0

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2019-HCHEM-0226186
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2019-09-05T02:36:49.000
Chemical Name: SPINOSAD
Common Name: SEDUCE INSECT BAIT
Case Number: organic

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2019-HCHEM-0226187
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2019-09-05T02:36:49.000
Chemical Name: CARBARYL
Common Name: SEVIN SL
Case Number: 63-25-3

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2019-HCHEM-0226188
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2019-09-05T02:36:49.000
Chemical Name: Hydrogen Peroxide

NUTRIEN AG SOLUTIONS-SAN MARCOS (Continued) **S106060673**

Common Name: Sanidate 5.0 / 12.0
Case Number: 7722-84-1

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2019-HCHEM-0226189
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2019-09-05T02:36:49.000
Chemical Name: Trifluralin
Common Name: Showcase
Case Number: 1582-09-8

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2019-HCHEM-0226190
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2019-09-05T02:36:49.000
Chemical Name: Simazine
Common Name: Simazine 90 DF
Case Number: 122-34-9

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2019-HCHEM-0226191
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2019-09-05T02:36:49.000
Chemical Name: Trifluralin
Common Name: Snapshot 2.5tg 50lb Dow Herbicide
Case Number: 082558-50-7

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2019-HCHEM-0226192
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2019-09-05T02:36:49.000
Chemical Name: 2,4 D, 2-ethylhexyl ester
Common Name: Speed Zone Southern
Case Number: 1928-43-4

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2019-HCHEM-0226193
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2019-09-05T02:36:49.000
Chemical Name: Mefenoxam
Common Name: Subdue Maxx
Case Number: 70630-17-0

NUTRIEN AG SOLUTIONS-SAN MARCOS (Continued) **S106060673**

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2019-HCHEM-0226194
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2019-09-05T02:36:49.000
Chemical Name: Mefenoxam
Common Name: Subdue GR
Case Number: 70630-17-0

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2019-HCHEM-0226195
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2019-09-05T02:36:49.000
Chemical Name: Sulfur
Common Name: Sulfur Dusting 98%
Case Number: 7704-34-9

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2019-HCHEM-0226196
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2019-09-05T02:36:49.000
Chemical Name: Oryzalin
Common Name: Surflan AS
Case Number: 19044-88-3

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2019-HCHEM-0226197
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2019-09-05T02:36:49.000
Chemical Name: ORYZALIN
Common Name: Surflan AS Speciality
Case Number: 19044-88-3

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2019-HCHEM-0226198
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2019-09-05T02:36:49.000
Chemical Name: Kaolin, calcined
Common Name: Surround WP
Case Number: 1322-58-7

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed

NUTRIEN AG SOLUTIONS-SAN MARCOS (Continued) **S106060673**

Active Permit: Y
Child Record Id: DEH2019-HCHEM-0226199
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2019-09-05T02:36:49.000
Chemical Name: Bifenthrin
Common Name: Talstar Nursery Granular
Case Number: mixture

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2019-HCHEM-0226200
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2019-09-05T02:36:49.000
Chemical Name: Monosodium methanearsonate
Common Name: Target 6 Plus
Case Number: 2163-80-6

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2019-HCHEM-0226201
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2019-09-05T02:36:49.000
Chemical Name: HYDROGEN DIOXIDE
Common Name: TERRACLEAN
Case Number: 7722-84-1

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2019-HCHEM-0226202
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2019-09-05T02:36:49.000
Chemical Name: CLARIDIED HYDROPHOBIC EXTACT OF NEEM OIL
Common Name: Trilogy 70EC
Case Number: 947173-77-5

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2019-HCHEM-0226203
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2019-09-05T02:36:49.000
Chemical Name: OXAMYL
Common Name: VYDATE L
Case Number: 23135-22-0

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2019-HCHEM-0226204

NUTRIEN AG SOLUTIONS-SAN MARCOS (Continued) **S106060673**

Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2019-09-05T02:36:49.000
Chemical Name: Chlorpyrifos
Common Name: Warhawk
Case Number: 2921-88-2

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2019-HCHEM-0226205
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2019-09-05T02:36:49.000
Chemical Name: ALUMINUM PHOSPHIDE
Common Name: WEEVIL-CIDE TABLETS
Case Number: 20859-73-8

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2019-HCHEM-0226206
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2019-09-05T02:36:49.000
Chemical Name: POLYETHER-POLYMETHYLSILOXANE-COPOLYMER POLYETHER
Common Name: WIDESPREAD MAX (NON-IONIC WETTING AGENT/SPREADER/PEN SURFACT)
Case Number: Mixture

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2019-HCHEM-0226207
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2019-09-05T02:36:49.000
Chemical Name: STRYCHNINE ALKALOID NXF
Common Name: WILCO/COOKE GOPHER GETTER
Case Number: 57249

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2019-HCHEM-0226208
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2019-09-05T02:36:49.000
Chemical Name: Imidacloprid
Common Name: Wrangler Insecticide
Case Number: 138261-41-3

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2019-HCHEM-0226209
Trade Secret: N
Hazardous Material Type: Mixture

NUTRIEN AG SOLUTIONS-SAN MARCOS (Continued) **S106060673**

Last Updated: 2019-09-05T02:36:49.000
Chemical Name: Hydrogen Dioxide
Common Name: Zerotol
Case Number: 7722-84-1

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2019-HCHEM-0226210
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2019-09-05T02:36:49.000
Chemical Name: Propane
Common Name: Liquified Petroleum Gas (lpg)
Case Number: 74-98-6

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HCHEM-0264732
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2021-10-06T02:31:51.000
Chemical Name: Dry Fertilizer Mixture
Common Name: 0-0-22 K-MAG 11MG STD 50#
Case Number: mixture

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HCHEM-0264733
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2021-10-06T02:31:51.000
Chemical Name: Sulfate of Potash
Common Name: 0-0-50 GREENS 50#
Case Number: mixture

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HCHEM-0264734
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2021-10-06T02:31:51.000
Chemical Name: Monocalcium Phosphate
Common Name: 0-46-0 Apex 50#
Case Number: mixture

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HCHEM-0264796
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2021-10-06T02:31:51.000
Chemical Name: Water Soluble Fertilizer

NUTRIEN AG SOLUTIONS-SAN MARCOS (Continued) **S106060673**

Common Name: PETERS PRO GP 20-20-20 99290
Case Number: mixture

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HCHEM-0264797
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2021-10-06T02:31:51.000
Chemical Name: Acid-Surfactant blend
Common Name: PHACID Sprayable 2x2.5
Case Number: mixture

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HCHEM-0264815
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2021-10-06T02:31:51.000
Chemical Name: Sulfur
Common Name: Cosavet 80 DF
Case Number: 7704-34-9

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HCHEM-0264816
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2021-10-06T02:31:51.000
Chemical Name: ISOPROPYLAMINE SALT OF GLYPHOSATE
Common Name: CREDIT 41 EXTRA
Case Number: 38641-94-0

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HCHEM-0264846
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2021-10-06T02:31:51.000
Chemical Name: GLYPHOSATE - ISOPROPYLAMINE SALT
Common Name: MAKAZE
Case Number: 38641-94-0

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HCHEM-0264847
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2021-10-06T02:31:51.000
Chemical Name: Malathion
Common Name: Malathion 8 Aquamol
Case Number: 121-75-5

NUTRIEN AG SOLUTIONS-SAN MARCOS (Continued) **S106060673**

Record ID:	DEH2009-HUPFP-210762
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2020-HCHEM-0264874
Trade Secret:	N
Hazardous Material Type:	Mixture
Last Updated:	2021-10-06T02:31:51.000
Chemical Name:	Oxadizon
Common Name:	Ronstar G
Case Number:	19666-30-9

Record ID:	DEH2009-HUPFP-210762
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2020-HCHEM-0264875
Trade Secret:	N
Hazardous Material Type:	Mixture
Last Updated:	2021-10-06T02:31:51.000
Chemical Name:	Potassium Salt of Glyphosate
Common Name:	ROUNDUP POWERMAX
Case Number:	70901-12-1

Record ID:	DEH2009-HUPFP-210762
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2020-HCHEM-0264893
Trade Secret:	N
Hazardous Material Type:	Mixture
Last Updated:	2021-10-06T02:31:51.000
Chemical Name:	Kaolin, calcined
Common Name:	Surround WP
Case Number:	1322-58-7

Record ID:	DEH2009-HUPFP-210762
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2020-HCHEM-0264894
Trade Secret:	N
Hazardous Material Type:	Mixture
Last Updated:	2021-10-06T02:31:51.000
Chemical Name:	Bifenthrin
Common Name:	Talstar Nursery Granular
Case Number:	mixture

Record ID:	DEH2009-HUPFP-210762
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2020-HCHEM-0264895
Trade Secret:	N
Hazardous Material Type:	Mixture
Last Updated:	2021-10-06T02:31:51.000
Chemical Name:	Monosodium methanearsonate
Common Name:	Target 6 Plus
Case Number:	2163-80-6

Record ID:	DEH2009-HUPFP-210762
Permit Status:	Permit Renewed

NUTRIEN AG SOLUTIONS-SAN MARCOS (Continued) **S106060673**

Active Permit: Y
Child Record Id: DEH2022-HCHEM-0317144
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2022-01-07T01:00:52.000
Chemical Name: Dry Fertilizer Mixture
Common Name: 0-0-22 K-MAG 11MG STD 50#
Case Number: mixture

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2022-HCHEM-0317145
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2022-01-07T01:00:52.000
Chemical Name: Sulfate of Potash
Common Name: 0-0-50 GREENS 50#
Case Number: mixture

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2022-HCHEM-0317146
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2022-01-07T01:00:52.000
Chemical Name: Monocalcium Phosphate
Common Name: 0-46-0 Apex 50#
Case Number: mixture

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2022-HCHEM-0317147
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2022-01-07T01:00:52.000
Chemical Name: Monocalcium Phosphate
Common Name: 0-45-0 TSP PROLINE 50#
Case Number: mixture

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2022-HCHEM-0317148
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2022-01-07T01:00:52.000
Chemical Name: N-P-K Mixed dry blended fertilizer
Common Name: 5-3-2 LPI GRO OMRI 40#
Case Number: mixture

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2022-HCHEM-0317149

NUTRIEN AG SOLUTIONS-SAN MARCOS (Continued) **S106060673**

Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2022-01-07T01:00:52.000
Chemical Name: Organic Fertilizer Custom Blend
Common Name: 7.5-5-7.5 with poultry meal
Case Number: mixture

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2022-HCHEM-0317150
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2022-01-07T01:00:52.000
Chemical Name: Organic Fertilizer Custom Blend
Common Name: 11-1-6 Organic Fertilizer
Case Number: mixture

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2022-HCHEM-0317151
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2022-01-07T01:00:52.000
Chemical Name: Monoammonium Phosphate
Common Name: 11-52-0 MAP Simplot 14010 50#
Case Number: 7722-76-1

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2022-HCHEM-0317152
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2022-01-07T01:00:52.000
Chemical Name: Dry Fertilizer Mixture
Common Name: 12-4-11/12-4-12 Apex Palm
Case Number: mixture

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2022-HCHEM-0317153
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2022-01-07T01:00:52.000
Chemical Name: Potassium Nitrate
Common Name: 13-0-46 MULTI-K MGN MIN PR 50#
Case Number: 7757-79-1

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2022-HCHEM-0317154
Trade Secret: N
Hazardous Material Type: Mixture

NUTRIEN AG SOLUTIONS-SAN MARCOS (Continued) **S106060673**

Last Updated: 2022-01-07T01:00:52.000
Chemical Name: Dry Fertilizer Mixture
Common Name: 14-14-14 NPK APEX 50LB/Landscape color
Case Number: mixture

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2022-HCHEM-0317155
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2022-01-07T01:00:52.000
Chemical Name: Dry Fertilizer Mixture
Common Name: 14-4-9 SUPER PALM LPI SIG 50LB
Case Number: mixture

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2022-HCHEM-0317156
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2022-01-07T01:00:52.000
Chemical Name: Fertilizer with Prodiamine
Common Name: 15-0-15 SIG .37 EVADE
Case Number: mixture

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2022-HCHEM-0317157
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2022-01-07T01:00:52.000
Chemical Name: Dry Fertilizer Mixture
Common Name: 15-0-15 Peters PL Dark 99260
Case Number: mixture

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2022-HCHEM-0317158
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2022-01-07T01:00:52.000
Chemical Name: Calcium Nitrate
Common Name: 15.5-0-0 Calcium Nitrate / Solution Grade
Case Number: 10124-37-5

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2022-HCHEM-0317159
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2022-01-07T01:00:52.000
Chemical Name: Dry Fertilizer Mixture

NUTRIEN AG SOLUTIONS-SAN MARCOS (Continued) **S106060673**

Common Name: 15-5-15 Cal Mag
Case Number: mixture

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2022-HCHEM-0317160
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2022-01-07T01:00:52.000
Chemical Name: FERTILIZER MIXTURE
Common Name: 15-15-15 Hydroprills
Case Number: mixture

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2022-HCHEM-0317161
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2022-01-07T01:00:52.000
Chemical Name: Dry Fertilizer Mixture
Common Name: 15-15-15 M PROLINE 50#
Case Number: mixture

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2022-HCHEM-0317162
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2022-01-07T01:00:52.000
Chemical Name: Fertilizer with Prodiamine
Common Name: 16-00-16 SIG STD .375 EVADE
Case Number: mixture

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2022-HCHEM-0317163
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2022-01-07T01:00:52.000
Chemical Name: Dry Fertilizer Mixture
Common Name: 16-6-8 TURF SUPREME 50LB
Case Number: mixture

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2022-HCHEM-0317164
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2022-01-07T01:00:52.000
Chemical Name: Dry Fertilizer Mixture
Common Name: 16-6-8 One Shot Simplot
Case Number: mixture

NUTRIEN AG SOLUTIONS-SAN MARCOS (Continued) **S106060673**

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2022-HCHEM-0317165
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2022-01-07T01:00:52.000
Chemical Name: Dry Fertilizer Mixture
Common Name: 16-6-8 with Trimec
Case Number: mixture

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2022-HCHEM-0317166
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2022-01-07T01:00:52.000
Chemical Name: Dry Fertilizer Mixture
Common Name: 16-9-12 Osmocote
Case Number: mixture

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2022-HCHEM-0317167
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2022-01-07T01:00:52.000
Chemical Name: Dry Fertilizer Mixture
Common Name: 16-16-16 ME MINORS / Hydro
Case Number: mixture

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2022-HCHEM-0317168
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2022-01-07T01:00:52.000
Chemical Name: Dry Fertilizer Mixture
Common Name: 16-20-0 PROLINE 50#
Case Number: mixture

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2022-HCHEM-0317169
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2022-01-07T01:00:52.000
Chemical Name: Dry Fertilizer Mixture
Common Name: 17-3-6 Topdress 4-6MO
Case Number: mixture

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed

NUTRIEN AG SOLUTIONS-SAN MARCOS (Continued) **S106060673**

Active Permit:	Y
Child Record Id:	DEH2022-HCHEM-0317170
Trade Secret:	N
Hazardous Material Type:	Mixture
Last Updated:	2022-01-07T01:00:52.000
Chemical Name:	N-P-K Mixed dry blended fertilizer
Common Name:	18-3-18 SIG 92BCMU GRN 50#
Case Number:	mixture
Record ID:	DEH2009-HUPFP-210762
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2022-HCHEM-0317171
Trade Secret:	N
Hazardous Material Type:	Mixture
Last Updated:	2022-01-07T01:00:52.000
Chemical Name:	N-P-K Mixed dry blended fertilizer
Common Name:	18-4-9 5FE SIGNATURE 50LB
Case Number:	mixture
Record ID:	DEH2009-HUPFP-210762
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2022-HCHEM-0317172
Trade Secret:	N
Hazardous Material Type:	Mixture
Last Updated:	2022-01-07T01:00:52.000
Chemical Name:	Dry Fertilizer Mixture
Common Name:	18-18-18 Multipurpose Low PH
Case Number:	mixture
Record ID:	DEH2009-HUPFP-210762
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2022-HCHEM-0317173
Trade Secret:	N
Hazardous Material Type:	Mixture
Last Updated:	2022-01-07T01:00:52.000
Chemical Name:	Dry Fertilizer Mixture
Common Name:	19-2-12 Bloom Apex 50#
Case Number:	mixture
Record ID:	DEH2009-HUPFP-210762
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2022-HCHEM-0317174
Trade Secret:	N
Hazardous Material Type:	Mixture
Last Updated:	2022-01-07T01:00:52.000
Chemical Name:	Dry Fertilizer Mixture
Common Name:	19-6-13 APEX NPK/Osmocote 50#
Case Number:	mixture
Record ID:	DEH2009-HUPFP-210762
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2022-HCHEM-0317175

NUTRIEN AG SOLUTIONS-SAN MARCOS (Continued) **S106060673**

Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2022-01-07T01:00:52.000
Chemical Name: Dry Fertilizer Mixture
Common Name: 19-4-4 NITRA KING 50LB
Case Number: mixture

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2022-HCHEM-0317176
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2022-01-07T01:00:52.000
Chemical Name: Dry Fertilizer Mixture
Common Name: 20-5-5 Topdress High Iron
Case Number: mixture

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2022-HCHEM-0317177
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2022-01-07T01:00:52.000
Chemical Name: Fertilizer Granules/Tablets
Common Name: 20-10-5 Best Paks/Agriform
Case Number: mixture

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2022-HCHEM-0317178
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2022-01-07T01:00:52.000
Chemical Name: Dry Fertilizer Mixture
Common Name: 20-10-20 Peters/Plantex 25LB
Case Number: mixture

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2022-HCHEM-0317179
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2022-01-07T01:00:52.000
Chemical Name: Dry Fertilizer Mixture
Common Name: 20-20-20 Peters/Plantex 25LB
Case Number: mixture

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2022-HCHEM-0317180
Trade Secret: N
Hazardous Material Type: Mixture

NUTRIEN AG SOLUTIONS-SAN MARCOS (Continued) **S106060673**

Last Updated: 2022-01-07T01:00:52.000
Chemical Name: Dry Fertilizer Mixture
Common Name: 20-9-9 SUPER BLEND 65UF 50LB LPI
Case Number: mixture

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2022-HCHEM-0317181
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2022-01-07T01:00:52.000
Chemical Name: Amonium sulfate
Common Name: 21-0-0-24S AM SUL 50# PROLINE
Case Number: 7783-20-2

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2022-HCHEM-0317182
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2022-01-07T01:00:52.000
Chemical Name: Dry Fertilizer Mixture
Common Name: 21-5-6 APEX SUPER FE TOPDRS 50LB
Case Number: mixture

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2022-HCHEM-0317183
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2022-01-07T01:00:52.000
Chemical Name: Dry Fertilizer Mixture
Common Name: 21-7-6 Apex Cool Weather Blue
Case Number: mixture

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2022-HCHEM-0317184
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2022-01-07T01:00:52.000
Chemical Name: Dry Fertilizer Mixture
Common Name: 21-7-14 Turf Royale/YARA Mila
Case Number: Mixture

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2022-HCHEM-0317185
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2022-01-07T01:00:52.000
Chemical Name: Dry Fertilizer Mixture

NUTRIEN AG SOLUTIONS-SAN MARCOS (Continued) **S106060673**

Common Name: 22-5-10 LPI SIG
Case Number: mixture

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2022-HCHEM-0317186
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2022-01-07T01:00:52.000
Chemical Name: Dry Fertilizer Mixture
Common Name: 22-6-12 Apex NPK
Case Number: mixture

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2022-HCHEM-0317187
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2022-01-07T01:00:52.000
Chemical Name: Dry Fertilizer Mixture
Common Name: 24-4-8 LPI SIG 75BCMU 3.5FE 50LB
Case Number: mixture

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2022-HCHEM-0317188
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2022-01-07T01:00:52.000
Chemical Name: Dry Fertilizer Mixture
Common Name: 25-5-5 SUPER TURF 50#
Case Number: mixture

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2022-HCHEM-0317189
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2022-01-07T01:00:52.000
Chemical Name: Dry Fertilizer Mixture
Common Name: 28-8-18 PROSOL 25#/Bent Special
Case Number: mixture

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2022-HCHEM-0317190
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2022-01-07T01:00:52.000
Chemical Name: Dry Fertilizer Mixture
Common Name: 29-7-0 Hines Preplant Mix
Case Number: mixture

NUTRIEN AG SOLUTIONS-SAN MARCOS (Continued) **S106060673**

Record ID:	DEH2009-HUPFP-210762
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2022-HCHEM-0317191
Trade Secret:	N
Hazardous Material Type:	Mixture
Last Updated:	2022-01-07T01:00:52.000
Chemical Name:	N-P-K Mixed dry blended fertilizer
Common Name:	30-5-10 High Iron XCU-DUR LPI SIG 50#
Case Number:	mixture

Record ID:	DEH2009-HUPFP-210762
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2022-HCHEM-0317192
Trade Secret:	N
Hazardous Material Type:	Mixture
Last Updated:	2022-01-07T01:00:52.000
Chemical Name:	Dry Fertilizer Mixture
Common Name:	30-10-10 High Nitro Foliar
Case Number:	mixture

Record ID:	DEH2009-HUPFP-210762
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2022-HCHEM-0317193
Trade Secret:	N
Hazardous Material Type:	Mixture
Last Updated:	2022-01-07T01:00:52.000
Chemical Name:	Dry Fertilizer Mixture
Common Name:	32-2-8 LPI SIG 50XCU 50#
Case Number:	mixture

Record ID:	DEH2009-HUPFP-210762
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2022-HCHEM-0317194
Trade Secret:	N
Hazardous Material Type:	Mixture
Last Updated:	2022-01-07T01:00:52.000
Chemical Name:	Dry Fertilizer Mixture
Common Name:	39-0-0 Nitroform Std/Mini/Chip/Powder
Case Number:	mixture

Record ID:	DEH2009-HUPFP-210762
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2022-HCHEM-0317195
Trade Secret:	N
Hazardous Material Type:	Mixture
Last Updated:	2022-01-07T01:00:52.000
Chemical Name:	UREA
Common Name:	43-0-0 Spread it Forget It
Case Number:	57-13-5

Record ID:	DEH2009-HUPFP-210762
Permit Status:	Permit Renewed

NUTRIEN AG SOLUTIONS-SAN MARCOS (Continued) **S106060673**

Active Permit:	Y
Child Record Id:	DEH2022-HCHEM-0317196
Trade Secret:	N
Hazardous Material Type:	Mixture
Last Updated:	2022-01-07T01:00:52.000
Chemical Name:	UREA
Common Name:	46-0-0 (LOW BI UREA) 50#
Case Number:	57-13-6
Record ID:	DEH2009-HUPFP-210762
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2022-HCHEM-0317197
Trade Secret:	N
Hazardous Material Type:	Mixture
Last Updated:	2022-01-07T01:00:52.000
Chemical Name:	UREA
Common Name:	46-0-0 PRILLED UREA 50LB
Case Number:	57-13-6
Record ID:	DEH2009-HUPFP-210762
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2022-HCHEM-0317198
Trade Secret:	N
Hazardous Material Type:	Mixture
Last Updated:	2022-01-07T01:00:52.000
Chemical Name:	Dry Fertilizer Mixture
Common Name:	6-24-24 XB SIMPLOT
Case Number:	mixture
Record ID:	DEH2009-HUPFP-210762
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2022-HCHEM-0317199
Trade Secret:	N
Hazardous Material Type:	Mixture
Last Updated:	2022-01-07T01:00:52.000
Chemical Name:	Micronutrient
Common Name:	9-9-9 SUPER FE SIMP 50#
Case Number:	mixture
Record ID:	DEH2009-HUPFP-210762
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2022-HCHEM-0317200
Trade Secret:	N
Hazardous Material Type:	Mixture
Last Updated:	2022-01-07T01:00:52.000
Chemical Name:	Hydrated Sodium Calcium Aluminosilicate
Common Name:	AZOMITE MICRONIZED 44LB
Case Number:	1344-01-0
Record ID:	DEH2009-HUPFP-210762
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2022-HCHEM-0317201

NUTRIEN AG SOLUTIONS-SAN MARCOS (Continued) **S106060673**

Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2022-01-07T01:00:52.000
Chemical Name: Calcium Sulfate
Common Name: CAL CM PLUS STD/MINI PRILL 50LB
Case Number: mixture

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2022-HCHEM-0317202
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2022-01-07T01:00:52.000
Chemical Name: N-P-K Mixed dry blended fertilizer
Common Name: CAN 27 50LB
Case Number: mixture

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2022-HCHEM-0317203
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2022-01-07T01:00:52.000
Chemical Name: Magnesium Sulfate
Common Name: EPSOTOP MAGNESIUM SULFATE 55.10LB
Case Number: 10034-99-8

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2022-HCHEM-0317204
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2022-01-07T01:00:52.000
Chemical Name: Monopotasassium Phosphate
Common Name: FC KEEP 0-52-34
Case Number: 7778-77-0

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2022-HCHEM-0317205
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2022-01-07T01:00:52.000
Chemical Name: Dry Fertilizer Mixture
Common Name: FEATURE 6-0-0 15X3LB
Case Number: mixture

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2022-HCHEM-0317206
Trade Secret: N
Hazardous Material Type: Mixture

NUTRIEN AG SOLUTIONS-SAN MARCOS (Continued) **S106060673**

Last Updated: 2022-01-07T01:00:52.000
Chemical Name: Liquid Fertilizer Mixture
Common Name: FEATURE AC15-00-00SIGA30GA(CA)
Case Number: mixture

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2022-HCHEM-0317207
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2022-01-07T01:00:52.000
Chemical Name: FERROUS SULFATE HEPTAHYDRATE
Common Name: IRON SULFATE 20%/30%/Deep Green
Case Number: 7782-63-0

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2022-HCHEM-0317208
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2022-01-07T01:00:52.000
Chemical Name: Water Soluble Fertilizer
Common Name: PETERS PRO GP 20-20-20 99290
Case Number: mixture

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2022-HCHEM-0317209
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2022-01-07T01:00:52.000
Chemical Name: Acid-Surfactant blend
Common Name: PHACID Sprayable 2x2.5
Case Number: mixture

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2022-HCHEM-0317210
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2022-01-07T01:00:52.000
Chemical Name: Liquid Fertilizer Mixture
Common Name: STARLINE 28-0-0 SIGA 2X2.5GA
Case Number: mixture

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2022-HCHEM-0317211
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2022-01-07T01:00:52.000
Chemical Name: Liquid Fertilizer Mixture

NUTRIEN AG SOLUTIONS-SAN MARCOS (Continued) **S106060673**

Common Name: STARLINE 2-0-26 SIGA 2X2.5GA
Case Number: mixture

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2022-HCHEM-0317212
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2022-01-07T01:00:52.000
Chemical Name: Liquid Fertilizer Mixture
Common Name: STARPHITE 5-0-0 MIC MG MN-NATL 2X2.5GA
Case Number: mixture

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2022-HCHEM-0317213
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2022-01-07T01:00:52.000
Chemical Name: Sulfur
Common Name: Sulfur Tiger 90
Case Number: 7704-34-9

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2022-HCHEM-0317214
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2022-01-07T01:00:52.000
Chemical Name: Purified Phosphoric Acid
Common Name: 0-55-0 DRIP GRADE ACID FERTILIZER
Case Number: 7664-38-2

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2022-HCHEM-0317215
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2022-01-07T01:00:52.000
Chemical Name: Ammonium Nitrate
Common Name: Calcium Ammonium Nitrate 17-0-0
Case Number: 6484-52-2

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2022-HCHEM-0317216
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2022-01-07T01:00:52.000
Chemical Name: Ammonium Nitrate
Common Name: AN-20
Case Number: 6484-52-2

NUTRIEN AG SOLUTIONS-SAN MARCOS (Continued) **S106060673**

Record ID:	DEH2009-HUPFP-210762
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2022-HCHEM-0317217
Trade Secret:	N
Hazardous Material Type:	Mixture
Last Updated:	2022-01-07T01:00:52.000
Chemical Name:	UREA - AMMONIUM NITRATE SOLUTION
Common Name:	32-0-0 UAN SOLUTION
Case Number:	6484-52-2

Record ID:	DEH2009-HUPFP-210762
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2022-HCHEM-0317218
Trade Secret:	N
Hazardous Material Type:	Mixture
Last Updated:	2022-01-07T01:00:52.000
Chemical Name:	POTASSIUM THIOSULFATE
Common Name:	0-0-25-17S KTS LIQUID
Case Number:	10294-66-3

Record ID:	DEH2009-HUPFP-210762
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2022-HCHEM-0317219
Trade Secret:	N
Hazardous Material Type:	Mixture
Last Updated:	2022-01-07T01:00:52.000
Chemical Name:	Mono Carbamide Dihydrogen Sulfate
Common Name:	15/49 N/Phuric
Case Number:	mixture

Record ID:	DEH2009-HUPFP-210762
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2022-HCHEM-0317220
Trade Secret:	N
Hazardous Material Type:	Mixture
Last Updated:	2022-01-07T01:00:52.000
Chemical Name:	Hydrated Ammonium Calcium Nitrate Double Salt
Common Name:	9-0-0 CN Liq
Case Number:	252245-12-2

Record ID:	DEH2009-HUPFP-210762
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2022-HCHEM-0317221
Trade Secret:	N
Hazardous Material Type:	Mixture
Last Updated:	2022-01-07T01:00:52.000
Chemical Name:	CAPTAN
Common Name:	CAPTAN 80WDG
Case Number:	133-06-2

Record ID:	DEH2009-HUPFP-210762
Permit Status:	Permit Renewed

NUTRIEN AG SOLUTIONS-SAN MARCOS (Continued) **S106060673**

Active Permit: Y
Child Record Id: DEH2022-HCHEM-0317222
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2022-01-07T01:00:52.000
Chemical Name: Pyrethroid Pesticide, Bifenthrin
Common Name: Capture 2EC-CAL
Case Number: 82657-04-3

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2022-HCHEM-0317223
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2022-01-07T01:00:52.000
Chemical Name: Fungicide / Bactericide
Common Name: Cease
Case Number: MIXTURE

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2022-HCHEM-0317224
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2022-01-07T01:00:52.000
Chemical Name: AQUEOUS MIXTURE OF SALTS
Common Name: CHOICE WEATHER MASTER
Case Number: MIXTURE

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2022-HCHEM-0317225
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2022-01-07T01:00:52.000
Chemical Name: Propiconazole
Common Name: Concert II
Case Number: 60207-90-1

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2022-HCHEM-0317226
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2022-01-07T01:00:52.000
Chemical Name: Copper Sulfate Pentahydrate
Common Name: Copper Sulfate
Case Number: 7758-99-8

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2022-HCHEM-0317227

NUTRIEN AG SOLUTIONS-SAN MARCOS (Continued) **S106060673**

Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2022-01-07T01:00:52.000
Chemical Name: Sulfur
Common Name: Cosavet 80 DF
Case Number: 7704-34-9

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2022-HCHEM-0317228
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2022-01-07T01:00:52.000
Chemical Name: ISOPROPYLAMINE SALT OF GLYPHOSATE
Common Name: CREDIT 41 EXTRA
Case Number: 38641-94-0

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2022-HCHEM-0317229
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2022-01-07T01:00:52.000
Chemical Name: Fungicide
Common Name: Cueva
Case Number: Mixture

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2022-HCHEM-0317230
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2022-01-07T01:00:52.000
Chemical Name: Chlorothalonil
Common Name: Daconil Ultrex
Case Number: 1897-45-6

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2022-HCHEM-0317231
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2022-01-07T01:00:52.000
Chemical Name: Chlorothalonil
Common Name: Daconil Weatherstik
Case Number: 1897-45-6

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2022-HCHEM-0317232
Trade Secret: N
Hazardous Material Type: Mixture

NUTRIEN AG SOLUTIONS-SAN MARCOS (Continued) **S106060673**

Last Updated: 2022-01-07T01:00:52.000
Chemical Name: METALDEHYDE
Common Name: DEADLINE M-PS/Bullets
Case Number: 108-62-3

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2022-HCHEM-0317233
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2022-01-07T01:00:52.000
Chemical Name: Diazinon
Common Name: Diazinon AG 500
Case Number: 333-41-5

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2022-HCHEM-0317234
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2022-01-07T01:00:52.000
Chemical Name: BACILLUS THURINGIENSIS, SUBSP. KURSTAKI
Common Name: DIPEL DF
Case Number: 68038-71-1

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2022-HCHEM-0317235
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2022-01-07T01:00:52.000
Chemical Name: Ethanol
Common Name: Dip'N Grow
Case Number: 64-17-5

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2022-HCHEM-0317236
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2022-01-07T01:00:52.000
Chemical Name: MANCOZEB
Common Name: DITHANE DF RAINSHIELD
Case Number: 8018-01-7

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2022-HCHEM-0317237
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2022-01-07T01:00:52.000
Chemical Name: MYCLOBUTANIL

NUTRIEN AG SOLUTIONS-SAN MARCOS (Continued) **S106060673**

Common Name:	EAGLE 20EW
Case Number:	88671-89-0
Record ID:	DEH2009-HUPFP-210762
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2022-HCHEM-0317238
Trade Secret:	N
Hazardous Material Type:	Mixture
Last Updated:	2022-01-07T01:00:52.000
Chemical Name:	Chlorothalonil
Common Name:	Ensign 720
Case Number:	1897-45-6
Record ID:	DEH2009-HUPFP-210762
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2022-HCHEM-0317239
Trade Secret:	N
Hazardous Material Type:	Mixture
Last Updated:	2022-01-07T01:00:52.000
Chemical Name:	Iron Phosphaste
Common Name:	FC Sluggo Snail & Slug Bait
Case Number:	10045-86-0
Record ID:	DEH2009-HUPFP-210762
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2022-HCHEM-0317240
Trade Secret:	N
Hazardous Material Type:	Mixture
Last Updated:	2022-01-07T01:00:52.000
Chemical Name:	Sodium Ferric EDTA
Common Name:	Ferroxx
Case Number:	Mixture
Record ID:	DEH2009-HUPFP-210762
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2022-HCHEM-0317241
Trade Secret:	N
Hazardous Material Type:	Mixture
Last Updated:	2022-01-07T01:00:52.000
Chemical Name:	Mancozeb
Common Name:	Fore 80WP Rainshield
Case Number:	008018-01-7
Record ID:	DEH2009-HUPFP-210762
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2022-HCHEM-0317242
Trade Secret:	N
Hazardous Material Type:	Mixture
Last Updated:	2022-01-07T01:00:52.000
Chemical Name:	COPPER SULFATE PENTAHYDRATE ALGAE CONTROL
Common Name:	FORMULA F-30 ALGAE CONTROL
Case Number:	7758-99-8

NUTRIEN AG SOLUTIONS-SAN MARCOS (Continued) **S106060673**

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2022-HCHEM-0317243
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2022-01-07T01:00:52.000
Chemical Name: Pendimethalin
Common Name: Freehand 1.75G
Case Number: 40487-42-1

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2022-HCHEM-0317244
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2022-01-07T01:00:52.000
Chemical Name: Isoxaben
Common Name: Gallery 75 DF
Case Number: 082558-50-7

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2022-HCHEM-0317245
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2022-01-07T01:00:52.000
Chemical Name: Mineral Oil
Common Name: Gavicide Green, Leaf Life
Case Number: 8042-47-6

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2022-HCHEM-0317246
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2022-01-07T01:00:52.000
Chemical Name: GLYPHOSATE - ISOPROPYLAMINE SALT
Common Name: Glyphosphate Plus
Case Number: 38641-94-0

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2022-HCHEM-0317247
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2022-01-07T01:00:52.000
Chemical Name: Bacillus thuringiensis
Common Name: Gnatrol WDG
Case Number: mixture

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed

NUTRIEN AG SOLUTIONS-SAN MARCOS (Continued) **S106060673**

Active Permit: Y
Child Record Id: DEH2022-HCHEM-0317248
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2022-01-07T01:00:52.000
Chemical Name: Paraquat Dichloride
Common Name: Gramoxone SL
Case Number: 1910-42-5

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2022-HCHEM-0317249
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2022-01-07T01:00:52.000
Chemical Name: Sodium Percarbonate
Common Name: GreenClean Pro
Case Number: 15630-89-4

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2022-HCHEM-0317250
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2022-01-07T01:00:52.000
Chemical Name: Phosmet
Common Name: Imidian 70-W
Case Number: 732-11-6

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2022-HCHEM-0317251
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2022-01-07T01:00:52.000
Chemical Name: Isopropylamine salt of glyphosate
Common Name: Kleen Up Pro
Case Number: 38641-94-0

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2022-HCHEM-0317252
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2022-01-07T01:00:52.000
Chemical Name: COPPER HYDROXIDE
Common Name: KOCIDE 3000
Case Number: 20427-59-2

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2022-HCHEM-0317253

NUTRIEN AG SOLUTIONS-SAN MARCOS (Continued) **S106060673**

Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2022-01-07T01:00:52.000
Chemical Name: Bromacil
Common Name: Krovar DF
Case Number: 3147-40-9

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2022-HCHEM-0317254
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2022-01-07T01:00:52.000
Chemical Name: BLEND OF METHYLACETIC ACID, LECITHIN & SURFACTANT
Common Name: LI 700
Case Number: 79-09-4

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2022-HCHEM-0317255
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2022-01-07T01:00:52.000
Chemical Name: LECITHIN, METHYL ESTERS OF FATTY ACIDS, & ALCOHOL ETHOXYLATE
Common Name: LIBERATE WITH LECI-TECH
Case Number: 34398-01-1

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2022-HCHEM-0317256
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2022-01-07T01:00:52.000
Chemical Name: CHLORPYRIFOS
Common Name: LORSBAN 15G
Case Number: 2921-88-2

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2022-HCHEM-0317257
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2022-01-07T01:00:52.000
Chemical Name: Potassium Salts of Fatty Acids
Common Name: M-Pede
Case Number: 67701-09-1

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2022-HCHEM-0317258
Trade Secret: N
Hazardous Material Type: Mixture

NUTRIEN AG SOLUTIONS-SAN MARCOS (Continued) **S106060673**

Last Updated: 2022-01-07T01:00:52.000
Chemical Name: GLYPHOSATE - ISOPROPYLAMINE SALT
Common Name: MAKAZE
Case Number: 38641-94-0

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2022-HCHEM-0317259
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2022-01-07T01:00:52.000
Chemical Name: Malathion
Common Name: Malathion 8 Aquamol
Case Number: 121-75-5

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2022-HCHEM-0317260
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2022-01-07T01:00:52.000
Chemical Name: Imidacloprid
Common Name: Malice 0.5 G 30 lbs
Case Number: 138261-41-3

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2022-HCHEM-0317261
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2022-01-07T01:00:52.000
Chemical Name: Imidacloprid
Common Name: Marathon 1G
Case Number: 138261-41-3

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2022-HCHEM-0317262
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2022-01-07T01:00:52.000
Chemical Name: Imidacloprid
Common Name: MERIT 0.5 G
Case Number: MIXTURE

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2022-HCHEM-0317263
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2022-01-07T01:00:52.000
Chemical Name: Metaldehyde

NUTRIEN AG SOLUTIONS-SAN MARCOS (Continued) **S106060673**

Common Name: Metaldehyde 3.5%
Case Number: 108-62-3

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2022-HCHEM-0317264
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2022-01-07T01:00:52.000
Chemical Name: Metaldehyde
Common Name: Metaldehyde 7.5
Case Number: 108-62-3

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2022-HCHEM-0317265
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2022-01-07T01:00:52.000
Chemical Name: Sulfur, micronized
Common Name: Microthiol Disperss
Case Number: 7704-34-9

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2022-HCHEM-0317266
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2022-01-07T01:00:52.000
Chemical Name: Potassium Bicarbonate
Common Name: MILSTOP
Case Number: Mixture

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2022-HCHEM-0317267
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2022-01-07T01:00:52.000
Chemical Name: Desinfectant
Common Name: Nacco San
Case Number: MIXTURE

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2022-HCHEM-0317268
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2022-01-07T01:00:52.000
Chemical Name: Cuprous Oxide
Common Name: Nordox 75WG
Case Number: 1317-39-1

NUTRIEN AG SOLUTIONS-SAN MARCOS (Continued) **S106060673**

Record ID:	DEH2009-HUPFP-210762
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2022-HCHEM-0317269
Trade Secret:	N
Hazardous Material Type:	Mixture
Last Updated:	2022-01-07T01:00:52.000
Chemical Name:	Copper hydroxide (Cu(OH)2)
Common Name:	Nu-Cop 50 DF
Case Number:	20427-59-2

Record ID:	DEH2009-HUPFP-210762
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2022-HCHEM-0317270
Trade Secret:	N
Hazardous Material Type:	Mixture
Last Updated:	2022-01-07T01:00:52.000
Chemical Name:	Oxyfluorfen
Common Name:	OH2
Case Number:	42874-03-3

Record ID:	DEH2009-HUPFP-210762
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2022-HCHEM-0317271
Trade Secret:	N
Hazardous Material Type:	Mixture
Last Updated:	2022-01-07T01:00:52.000
Chemical Name:	Distillates (petroleum), solvent-refined heavy paraffinic
Common Name:	Oil Ultrapure
Case Number:	64741-88-4

Record ID:	DEH2009-HUPFP-210762
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2022-HCHEM-0317272
Trade Secret:	N
Hazardous Material Type:	Mixture
Last Updated:	2022-01-07T01:00:52.000
Chemical Name:	Triclopyr, Butoxy Ethyl Ester
Common Name:	Pathfinder II
Case Number:	64700-56-7

Record ID:	DEH2009-HUPFP-210762
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2022-HCHEM-0317273
Trade Secret:	N
Hazardous Material Type:	Mixture
Last Updated:	2022-01-07T01:00:52.000
Chemical Name:	Diphacinone
Common Name:	PCQ Bait
Case Number:	82-66-6

Record ID:	DEH2009-HUPFP-210762
Permit Status:	Permit Renewed

NUTRIEN AG SOLUTIONS-SAN MARCOS (Continued) **S106060673**

Active Permit: Y
Child Record Id: DEH2022-HCHEM-0317274
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2022-01-07T01:00:52.000
Chemical Name: Quaternary ammonium compound
Common Name: Physan 20
Case Number: MIXTURE

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2022-HCHEM-0317275
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2022-01-07T01:00:52.000
Chemical Name: Trinexapac-Ethyl
Common Name: Primo Maxx
Case Number: 95266-40-3

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2022-HCHEM-0317276
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2022-01-07T01:00:52.000
Chemical Name: Propiconazole
Common Name: Procon Z
Case Number: 60207-90-1

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2022-HCHEM-0317277
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2022-01-07T01:00:52.000
Chemical Name: Ethephon
Common Name: Proxy
Case Number: 16672-87-0

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2022-HCHEM-0317278
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2022-01-07T01:00:52.000
Chemical Name: PYRETHRINS
Common Name: PYGANIC EC 1.4 II
Case Number: 8003-34-7

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2022-HCHEM-0317279

NUTRIEN AG SOLUTIONS-SAN MARCOS (Continued) **S106060673**

Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2022-01-07T01:00:52.000
Chemical Name: PYRETHRINS
Common Name: PYGANIC EC 5.0
Case Number: 8003-34-7

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2022-HCHEM-0317280
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2022-01-07T01:00:52.000
Chemical Name: Ammonium Salt of Glyphosate
Common Name: Quikpro
Case Number: 40465-66-5

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2022-HCHEM-0317281
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2022-01-07T01:00:52.000
Chemical Name: 2-Diphenylacetyl-1,3-Indandione
Common Name: Ramik Green Bait
Case Number: 82-66-6

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2022-HCHEM-0317282
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2022-01-07T01:00:52.000
Chemical Name: Isopropylamine salt of glyphosate
Common Name: Ranger Pro
Case Number: 38641-94-0

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2022-HCHEM-0317283
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2022-01-07T01:00:52.000
Chemical Name: Alkoxylated Polyols
Common Name: Revert
Case Number: MIXTURE

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2022-HCHEM-0317284
Trade Secret: N
Hazardous Material Type: Mixture

NUTRIEN AG SOLUTIONS-SAN MARCOS (Continued) **S106060673**

Last Updated: 2022-01-07T01:00:52.000
Chemical Name: DIQUAT DIBROMIDE
Common Name: REWARD
Case Number: 85-00-7

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2022-HCHEM-0317285
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2022-01-07T01:00:52.000
Chemical Name: Glyphosate-Isopropylamine
Common Name: Rodeo
Case Number: 38641-94-0

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2022-HCHEM-0317286
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2022-01-07T01:00:52.000
Chemical Name: Oxadizon
Common Name: Ronstar G
Case Number: 19666-30-9

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2022-HCHEM-0317287
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2022-01-07T01:00:52.000
Chemical Name: Potassium Salt of Glyphosate
Common Name: ROUNDUP POWERMAX
Case Number: 70901-12-1

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2022-HCHEM-0317288
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2022-01-07T01:00:52.000
Chemical Name: Potassium Salt of Glyphosate
Common Name: Roundup Pro Concentrate
Case Number: 70901-12-2

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2022-HCHEM-0317289
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2022-01-07T01:00:52.000
Chemical Name: Potassium Salt of Glyphosate

NUTRIEN AG SOLUTIONS-SAN MARCOS (Continued) **S106060673**

Common Name:	Roundup Promax/Custom
Case Number:	70901-12-1
Record ID:	DEH2009-HUPFP-210762
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2022-HCHEM-0317290
Trade Secret:	N
Hazardous Material Type:	Mixture
Last Updated:	2022-01-07T01:00:52.000
Chemical Name:	Oxyfluorfen
Common Name:	Rout
Case Number:	42874-03-3
Record ID:	DEH2009-HUPFP-210762
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2022-HCHEM-0317291
Trade Secret:	N
Hazardous Material Type:	Mixture
Last Updated:	2022-01-07T01:00:52.000
Chemical Name:	Dinotefuran
Common Name:	Safari 20 SG
Case Number:	165252-70-0
Record ID:	DEH2009-HUPFP-210762
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2022-HCHEM-0317292
Trade Secret:	N
Hazardous Material Type:	Mixture
Last Updated:	2022-01-07T01:00:52.000
Chemical Name:	Pelargonic Acid
Common Name:	Scythe
Case Number:	112-05-0
Record ID:	DEH2009-HUPFP-210762
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2022-HCHEM-0317293
Trade Secret:	N
Hazardous Material Type:	Mixture
Last Updated:	2022-01-07T01:00:52.000
Chemical Name:	SPINOSAD
Common Name:	SEDUCE INSECT BAIT
Case Number:	organic
Record ID:	DEH2009-HUPFP-210762
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2022-HCHEM-0317294
Trade Secret:	N
Hazardous Material Type:	Mixture
Last Updated:	2022-01-07T01:00:52.000
Chemical Name:	CARBARYL
Common Name:	SEVIN SL
Case Number:	63-25-3

NUTRIEN AG SOLUTIONS-SAN MARCOS (Continued) **S106060673**

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2022-HCHEM-0317295
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2022-01-07T01:00:52.000
Chemical Name: Hydrogen Peroxide
Common Name: Sanidate 5.0 / 12.0
Case Number: 7722-84-1

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2022-HCHEM-0317296
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2022-01-07T01:00:52.000
Chemical Name: Trifluralin
Common Name: Showcase
Case Number: 1582-09-8

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2022-HCHEM-0317297
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2022-01-07T01:00:52.000
Chemical Name: Simazine
Common Name: Simazine 90 DF
Case Number: 122-34-9

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2022-HCHEM-0317298
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2022-01-07T01:00:52.000
Chemical Name: Trifluralin
Common Name: Snapshot 2.5tg 50lb Dow Herbicide
Case Number: 082558-50-7

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2022-HCHEM-0317299
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2022-01-07T01:00:52.000
Chemical Name: 2,4 D, 2-ethylhexyl ester
Common Name: Speed Zone Southern
Case Number: 1928-43-4

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed

NUTRIEN AG SOLUTIONS-SAN MARCOS (Continued) **S106060673**

Active Permit: Y
Child Record Id: DEH2022-HCHEM-0317300
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2022-01-07T01:00:52.000
Chemical Name: Mefenoxam
Common Name: Subdue Maxx
Case Number: 70630-17-0

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2022-HCHEM-0317301
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2022-01-07T01:00:52.000
Chemical Name: Mefenoxam
Common Name: Subdue GR
Case Number: 70630-17-0

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2022-HCHEM-0317302
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2022-01-07T01:00:52.000
Chemical Name: Sulfur
Common Name: Sulfur Dusting 98%
Case Number: 7704-34-9

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2022-HCHEM-0317303
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2022-01-07T01:00:52.000
Chemical Name: Oryzalin
Common Name: Surflan AS
Case Number: 19044-88-3

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2022-HCHEM-0317304
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2022-01-07T01:00:52.000
Chemical Name: ORYZALIN
Common Name: Surflan AS Speciality
Case Number: 19044-88-3

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2022-HCHEM-0317305

NUTRIEN AG SOLUTIONS-SAN MARCOS (Continued) **S106060673**

Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2022-01-07T01:00:52.000
Chemical Name: Kaolin, calcined
Common Name: Surround WP
Case Number: 1322-58-7

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2022-HCHEM-0317306
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2022-01-07T01:00:52.000
Chemical Name: Bifenthrin
Common Name: Talstar Nursery Granular
Case Number: mixture

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2022-HCHEM-0317307
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2022-01-07T01:00:52.000
Chemical Name: Monosodium methanearsonate
Common Name: Target 6 Plus
Case Number: 2163-80-6

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2022-HCHEM-0317308
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2022-01-07T01:00:52.000
Chemical Name: HYDROGEN DIOXIDE
Common Name: TERRACLEAN
Case Number: 7722-84-1

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2022-HCHEM-0317309
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2022-01-07T01:00:52.000
Chemical Name: CLARIDIED HYDROPHOBIC EXTACT OF NEEM OIL
Common Name: Trilogy 70EC
Case Number: 947173-77-5

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2022-HCHEM-0317310
Trade Secret: N
Hazardous Material Type: Mixture

NUTRIEN AG SOLUTIONS-SAN MARCOS (Continued) **S106060673**

Last Updated: 2022-01-07T01:00:52.000
Chemical Name: OXAMYL
Common Name: VYDATE L
Case Number: 23135-22-0

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2022-HCHEM-0317311
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2022-01-07T01:00:52.000
Chemical Name: Chlorpyrifos
Common Name: Warhawk
Case Number: 2921-88-2

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2022-HCHEM-0317312
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2022-01-07T01:00:52.000
Chemical Name: ALUMINUM PHOSPHIDE
Common Name: WEEVIL-CIDE TABLETS
Case Number: 20859-73-8

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2022-HCHEM-0317313
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2022-01-07T01:00:52.000
Chemical Name: POLYETHER-POLYMETHYLSILOXANE-COPOLYMER POLYETHER
Common Name: WIDESPREAD MAX (NON-IONIC WETTING AGENT/SPREADER/PEN SURFACT)
Case Number: Mixture

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2022-HCHEM-0317314
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2022-01-07T01:00:52.000
Chemical Name: STRYCHNINE ALKALOID NXF
Common Name: WILCO/COOKE GOPHER GETTER
Case Number: 57249

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2022-HCHEM-0317315
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2022-01-07T01:00:52.000
Chemical Name: Imidacloprid

NUTRIEN AG SOLUTIONS-SAN MARCOS (Continued) **S106060673**

Common Name: Wrangler Insecticide
Case Number: 138261-41-3

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2022-HCHEM-0317316
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2022-01-07T01:00:52.000
Chemical Name: Hydrogen Dioxide
Common Name: Zerotol
Case Number: 7722-84-1

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2022-HCHEM-0317317
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2022-01-07T01:00:52.000
Chemical Name: Propane
Common Name: Liquified Petroleum Gas (lpg)
Case Number: 74-98-6

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0196620
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2019-03-20T01:16:10.000
Chemical Name: Dry Fertilizer Mixture
Common Name: 0-0-22 K-MAG 11MG STD 50#
Case Number: mixture

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0196621
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2019-03-20T01:16:10.000
Chemical Name: Sulfate of Potash
Common Name: 0-0-50 GREENS 50#
Case Number: mixture

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0196624
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2019-03-20T01:16:10.000
Chemical Name: N-P-K Mixed dry blended fertilizer
Common Name: 5-3-2 LPI GRO OMRI 40#
Case Number: mixture

NUTRIEN AG SOLUTIONS-SAN MARCOS (Continued) **S106060673**

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0196625
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2019-03-20T01:16:10.000
Chemical Name: Organic Fertilizer Custom Blend
Common Name: 7.5-5-7.5 with poultry meal
Case Number: mixture

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0196626
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2019-03-20T01:16:10.000
Chemical Name: Organic Fertilizer Custom Blend
Common Name: 11-1-6 Organic Fertilizer
Case Number: mixture

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0196627
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2019-03-20T01:16:10.000
Chemical Name: Monoammonium Phosphate
Common Name: 11-52-0 MAP Simplot 14010 50#
Case Number: 7722-76-1

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0196628
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2019-03-20T01:16:10.000
Chemical Name: Dry Fertilizer Mixture
Common Name: 12-4-11/12-4-12 Apex Palm
Case Number: mixture

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0196629
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2019-03-20T01:16:10.000
Chemical Name: Potassium Nitrate
Common Name: 13-0-46 MULTI-K MGN MIN PR 50#
Case Number: 7757-79-1

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed

NUTRIEN AG SOLUTIONS-SAN MARCOS (Continued) **S106060673**

Active Permit:	Y
Child Record Id:	DEH2018-HCHEM-0196630
Trade Secret:	N
Hazardous Material Type:	Mixture
Last Updated:	2019-03-20T01:16:10.000
Chemical Name:	Dry Fertilizer Mixture
Common Name:	14-14-14 NPK APEX 50LB/Landscape color
Case Number:	mixture
Record ID:	DEH2009-HUPFP-210762
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2018-HCHEM-0196631
Trade Secret:	N
Hazardous Material Type:	Mixture
Last Updated:	2019-03-20T01:16:10.000
Chemical Name:	Dry Fertilizer Mixture
Common Name:	14-4-9 SUPER PALM LPI SIG 50LB
Case Number:	mixture
Record ID:	DEH2009-HUPFP-210762
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2018-HCHEM-0196632
Trade Secret:	N
Hazardous Material Type:	Mixture
Last Updated:	2019-03-20T01:16:10.000
Chemical Name:	Fertilizer with Prodiamine
Common Name:	15-0-15 SIG .37 EVADE
Case Number:	mixture
Record ID:	DEH2009-HUPFP-210762
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2018-HCHEM-0196633
Trade Secret:	N
Hazardous Material Type:	Mixture
Last Updated:	2019-03-20T01:16:10.000
Chemical Name:	Dry Fertilizer Mixture
Common Name:	15-0-15 Peters PL Dark 99260
Case Number:	mixture
Record ID:	DEH2009-HUPFP-210762
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2018-HCHEM-0196634
Trade Secret:	N
Hazardous Material Type:	Mixture
Last Updated:	2019-03-20T01:16:10.000
Chemical Name:	Calcium Nitrate
Common Name:	15.5-0-0 Calcium Nitrate / Solution Grade
Case Number:	10124-37-5
Record ID:	DEH2009-HUPFP-210762
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2018-HCHEM-0196635

NUTRIEN AG SOLUTIONS-SAN MARCOS (Continued) **S106060673**

Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2019-03-20T01:16:10.000
Chemical Name: Dry Fertilizer Mixture
Common Name: 15-5-15 Cal Mag
Case Number: mixture

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0196636
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2019-03-20T01:16:10.000
Chemical Name: FERTILIZER MIXTURE
Common Name: 15-15-15 Hydroprills
Case Number: mixture

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0196637
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2019-03-20T01:16:10.000
Chemical Name: Dry Fertilizer Mixture
Common Name: 15-15-15 M PROLINE 50#
Case Number: mixture

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0196638
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2019-03-20T01:16:10.000
Chemical Name: Fertilizer with Prodiamine
Common Name: 16-00-16 SIG STD .375 EVADE
Case Number: mixture

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0196639
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2019-03-20T01:16:10.000
Chemical Name: Dry Fertilizer Mixture
Common Name: 16-6-8 TURF SUPREME 50LB
Case Number: mixture

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0196640
Trade Secret: N
Hazardous Material Type: Mixture

NUTRIEN AG SOLUTIONS-SAN MARCOS (Continued) **S106060673**

Last Updated: 2019-03-20T01:16:10.000
Chemical Name: Dry Fertilizer Mixture
Common Name: 16-6-8 One Shot Simplot
Case Number: mixture

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0196641
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2019-03-20T01:16:10.000
Chemical Name: Dry Fertilizer Mixture
Common Name: 16-6-8 with Trimec
Case Number: mixture

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0196642
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2019-03-20T01:16:10.000
Chemical Name: Dry Fertilizer Mixture
Common Name: 16-9-12 Osmocote
Case Number: mixture

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0196643
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2019-03-20T01:16:10.000
Chemical Name: Dry Fertilizer Mixture
Common Name: 16-16-16 ME MINORS / Hydro
Case Number: mixture

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0196644
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2019-03-20T01:16:10.000
Chemical Name: Dry Fertilizer Mixture
Common Name: 16-20-0 PROLINE 50#
Case Number: mixture

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0196645
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2019-03-20T01:16:10.000
Chemical Name: Dry Fertilizer Mixture

NUTRIEN AG SOLUTIONS-SAN MARCOS (Continued) **S106060673**

Common Name: 17-3-6 Topdress 4-6MO
Case Number: mixture

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0196646
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2019-03-20T01:16:10.000
Chemical Name: N-P-K Mixed dry blended fertilizer
Common Name: 18-3-18 SIG 92BCMU GRN 50#
Case Number: mixture

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0196647
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2019-03-20T01:16:10.000
Chemical Name: N-P-K Mixed dry blended fertilizer
Common Name: 18-4-9 5FE SIGNATURE 50LB
Case Number: mixture

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0196648
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2019-03-20T01:16:10.000
Chemical Name: Dry Fertilizer Mixture
Common Name: 18-18-18 Multipurpose Low PH
Case Number: mixture

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0196649
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2019-03-20T01:16:10.000
Chemical Name: Dry Fertilizer Mixture
Common Name: 19-2-12 Bloom Apex 50#
Case Number: mixture

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0196653
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2019-03-20T01:16:10.000
Chemical Name: Fertilizer Granules/Tablets
Common Name: 20-10-5 Best Paks/Agriform
Case Number: mixture

NUTRIEN AG SOLUTIONS-SAN MARCOS (Continued) **S106060673**

Record ID:	DEH2009-HUPFP-210762
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2018-HCHEM-0196654
Trade Secret:	N
Hazardous Material Type:	Mixture
Last Updated:	2019-03-20T01:16:10.000
Chemical Name:	Dry Fertilizer Mixture
Common Name:	20-10-20 Peters/Plantex 25LB
Case Number:	mixture

Record ID:	DEH2009-HUPFP-210762
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2018-HCHEM-0196655
Trade Secret:	N
Hazardous Material Type:	Mixture
Last Updated:	2019-03-20T01:16:10.000
Chemical Name:	Dry Fertilizer Mixture
Common Name:	20-20-20 Peters/Plantex 25LB
Case Number:	mixture

Record ID:	DEH2009-HUPFP-210762
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2018-HCHEM-0196656
Trade Secret:	N
Hazardous Material Type:	Mixture
Last Updated:	2019-03-20T01:16:10.000
Chemical Name:	Dry Fertilizer Mixture
Common Name:	20-9-9 SUPER BLEND 65UF 50LB LPI
Case Number:	mixture

Record ID:	DEH2009-HUPFP-210762
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2018-HCHEM-0196657
Trade Secret:	N
Hazardous Material Type:	Pure
Last Updated:	2019-03-20T01:16:10.000
Chemical Name:	Amonium sulfate
Common Name:	21-0-0-24S AM SUL 50# PROLINE
Case Number:	7783-20-2

Record ID:	DEH2009-HUPFP-210762
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2018-HCHEM-0196658
Trade Secret:	N
Hazardous Material Type:	Mixture
Last Updated:	2019-03-20T01:16:10.000
Chemical Name:	Dry Fertilizer Mixture
Common Name:	21-5-6 APEX SUPER FE TOPDRS 50LB
Case Number:	mixture

Record ID:	DEH2009-HUPFP-210762
Permit Status:	Permit Renewed

NUTRIEN AG SOLUTIONS-SAN MARCOS (Continued) **S106060673**

Active Permit: Y
Child Record Id: DEH2018-HCHEM-0196659
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2019-03-20T01:16:10.000
Chemical Name: Dry Fertilizer Mixture
Common Name: 21-7-6 Apex Cool Weather Blue
Case Number: mixture

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0196660
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2019-03-20T01:16:10.000
Chemical Name: Dry Fertilizer Mixture
Common Name: 21-7-14 Turf Royale/YARA Mila
Case Number: Mixture

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0196661
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2019-03-20T01:16:10.000
Chemical Name: Dry Fertilizer Mixture
Common Name: 22-5-10 LPI SIG
Case Number: mixture

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0196662
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2019-03-20T01:16:10.000
Chemical Name: Dry Fertilizer Mixture
Common Name: 22-6-12 Apex NPK
Case Number: mixture

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0196663
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2019-03-20T01:16:10.000
Chemical Name: Dry Fertilizer Mixture
Common Name: 24-4-8 LPI SIG 75BCMU 3.5FE 50LB
Case Number: mixture

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0196664

NUTRIEN AG SOLUTIONS-SAN MARCOS (Continued) **S106060673**

Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2019-03-20T01:16:10.000
Chemical Name: Dry Fertilizer Mixture
Common Name: 25-5-5 SUPER TURF 50#
Case Number: mixture

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0196665
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2019-03-20T01:16:10.000
Chemical Name: Dry Fertilizer Mixture
Common Name: 28-8-18 PROSOL 25#/Bent Special
Case Number: mixture

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0196666
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2019-03-20T01:16:10.000
Chemical Name: Dry Fertilizer Mixture
Common Name: 29-7-0 Hines Preplant Mix
Case Number: mixture

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0196667
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2019-03-20T01:16:10.000
Chemical Name: N-P-K Mixed dry blended fertilizer
Common Name: 30-5-10 High Iron XCU-DUR LPI SIG 50#
Case Number: mixture

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0196668
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2019-03-20T01:16:10.000
Chemical Name: Dry Fertilizer Mixture
Common Name: 30-10-10 High Nitro Foliar
Case Number: mixture

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0196669
Trade Secret: N
Hazardous Material Type: Mixture

NUTRIEN AG SOLUTIONS-SAN MARCOS (Continued) **S106060673**

Last Updated: 2019-03-20T01:16:10.000
Chemical Name: Dry Fertilizer Mixture
Common Name: 32-2-8 LPI SIG 50XCU 50#
Case Number: mixture

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0196670
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2019-03-20T01:16:10.000
Chemical Name: Dry Fertilizer Mixture
Common Name: 39-0-0 Nitroform Std/Mini/Chip/Powder
Case Number: mixture

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0196671
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2019-03-20T01:16:10.000
Chemical Name: UREA
Common Name: 43-0-0 Spread it Forget It
Case Number: 57-13-5

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0196682
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2019-03-20T01:16:10.000
Chemical Name: Liquid Fertilizer Mixture
Common Name: FEATURE AC15-00-00SIGA30GA(CA)
Case Number: mixture

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0196683
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2019-03-20T01:16:10.000
Chemical Name: FERROUS SULFATE HEPTAHYDRATE
Common Name: IRON SULFATE 20%/30%/Deep Green
Case Number: 7782-63-0

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0196684
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2019-03-20T01:16:10.000
Chemical Name: Water Soluble Fertilizer

NUTRIEN AG SOLUTIONS-SAN MARCOS (Continued) **S106060673**

Common Name: PETERS PRO GP 20-20-20 99290
Case Number: mixture

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0196685
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2019-03-20T01:16:10.000
Chemical Name: Acid-Surfactant blend
Common Name: PHACID Sprayable 2x2.5
Case Number: mixture

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0196686
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2019-03-20T01:16:10.000
Chemical Name: Liquid Fertilizer Mixture
Common Name: STARLINE 28-0-0 SIGA 2X2.5GA
Case Number: mixture

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0196687
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2019-03-20T01:16:10.000
Chemical Name: Liquid Fertilizer Mixture
Common Name: STARLINE 2-0-26 SIGA 2X2.5GA
Case Number: mixture

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0196688
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2019-03-20T01:16:10.000
Chemical Name: Liquid Fertilizer Mixture
Common Name: STARPHITE 5-0-0 MIC MG MN-NATL 2X2.5GA
Case Number: mixture

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0196689
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2019-03-20T01:16:10.000
Chemical Name: Sulfur
Common Name: Sulfur Tiger 90
Case Number: 7704-34-9

NUTRIEN AG SOLUTIONS-SAN MARCOS (Continued) **S106060673**

Record ID:	DEH2009-HUPFP-210762
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2018-HCHEM-0196691
Trade Secret:	N
Hazardous Material Type:	Mixture
Last Updated:	2019-03-20T01:16:10.000
Chemical Name:	Ammonium Nitrate
Common Name:	Calcium Ammonium Nitrate 17-0-0
Case Number:	6484-52-2

Record ID:	DEH2009-HUPFP-210762
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2018-HCHEM-0196692
Trade Secret:	N
Hazardous Material Type:	Mixture
Last Updated:	2019-03-20T01:16:10.000
Chemical Name:	Ammonium Nitrate
Common Name:	AN-20
Case Number:	6484-52-2

Record ID:	DEH2009-HUPFP-210762
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2018-HCHEM-0196693
Trade Secret:	N
Hazardous Material Type:	Mixture
Last Updated:	2019-03-20T01:16:10.000
Chemical Name:	UREA - AMMONIUM NITRATE SOLUTION
Common Name:	32-0-0 UAN SOLUTION
Case Number:	6484-52-2

Record ID:	DEH2009-HUPFP-210762
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2018-HCHEM-0196694
Trade Secret:	N
Hazardous Material Type:	Mixture
Last Updated:	2019-03-20T01:16:10.000
Chemical Name:	POTASSIUM THIOSULFATE
Common Name:	0-0-25-17S KTS LIQUID
Case Number:	10294-66-3

Record ID:	DEH2009-HUPFP-210762
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2018-HCHEM-0196695
Trade Secret:	N
Hazardous Material Type:	Mixture
Last Updated:	2019-03-20T01:16:10.000
Chemical Name:	Mono Carbamide Dihydrogen Sulfate
Common Name:	15/49 N/Phuric
Case Number:	mixture

Record ID:	DEH2009-HUPFP-210762
Permit Status:	Permit Renewed

NUTRIEN AG SOLUTIONS-SAN MARCOS (Continued) **S106060673**

Active Permit: Y
Child Record Id: DEH2018-HCHEM-0196696
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2019-03-20T01:16:10.000
Chemical Name: Hydrated Ammonium Calcium Nitrate Double Salt
Common Name: 9-0-0 CN Liq
Case Number: 252245-12-2

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0196697
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2019-03-20T01:16:10.000
Chemical Name: CAPTAN
Common Name: CAPTAN 80WDG
Case Number: 133-06-2

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0196698
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2019-03-20T01:16:10.000
Chemical Name: Pyrethroid Pesticide, Bifenthrin
Common Name: Capture 2EC-CAL
Case Number: 82657-04-3

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0196699
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2019-03-20T01:16:10.000
Chemical Name: Fungicide / Bactericide
Common Name: Cease
Case Number: MIXTURE

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0196700
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2019-03-20T01:16:10.000
Chemical Name: AQUEOUS MIXTURE OF SALTS
Common Name: CHOICE WEATHER MASTER
Case Number: MIXTURE

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0196701

NUTRIEN AG SOLUTIONS-SAN MARCOS (Continued) **S106060673**

Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2019-03-20T01:16:10.000
Chemical Name: Propiconazole
Common Name: Concert II
Case Number: 60207-90-1

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0196702
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2019-03-20T01:16:10.000
Chemical Name: Copper Sulfate Pentahydrate
Common Name: Copper Sulfate
Case Number: 7758-99-8

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0196703
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2019-03-20T01:16:10.000
Chemical Name: Sulfur
Common Name: Cosavet 80 DF
Case Number: 7704-34-9

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0196704
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2019-03-20T01:16:10.000
Chemical Name: ISOPROPYLAMINE SALT OF GLYPHOSATE
Common Name: CREDIT 41 EXTRA
Case Number: 38641-94-0

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0196705
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2019-03-20T01:16:10.000
Chemical Name: Fungicide
Common Name: Cueva
Case Number: Mixture

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0196706
Trade Secret: N
Hazardous Material Type: Mixture

NUTRIEN AG SOLUTIONS-SAN MARCOS (Continued) **S106060673**

Last Updated: 2019-03-20T01:16:10.000
Chemical Name: Chlorothalonil
Common Name: Daconil Ultrex
Case Number: 1897-45-6

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0196707
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2019-03-20T01:16:10.000
Chemical Name: Chlorothalonil
Common Name: Daconil Weatherstik
Case Number: 1897-45-6

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0196708
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2019-03-20T01:16:10.000
Chemical Name: METALDEHYDE
Common Name: DEADLINE M-PS/Bullets
Case Number: 108-62-3

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0196709
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2019-03-20T01:16:10.000
Chemical Name: Diazinon
Common Name: Diazinon AG 500
Case Number: 333-41-5

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0196710
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2019-03-20T01:16:10.000
Chemical Name: BACILLUS THURINGIENSIS, SUBSP. KURSTAKI
Common Name: DIPEL DF
Case Number: 68038-71-1

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0196711
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2019-03-20T01:16:10.000
Chemical Name: Ethanol

NUTRIEN AG SOLUTIONS-SAN MARCOS (Continued) **S106060673**

Common Name:	Dip'N Grow
Case Number:	64-17-5
Record ID:	DEH2009-HUPFP-210762
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2018-HCHEM-0196712
Trade Secret:	N
Hazardous Material Type:	Mixture
Last Updated:	2019-03-20T01:16:10.000
Chemical Name:	MANCOZEB
Common Name:	DITHANE DF RAINSHIELD
Case Number:	8018-01-7
Record ID:	DEH2009-HUPFP-210762
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2018-HCHEM-0196713
Trade Secret:	N
Hazardous Material Type:	Mixture
Last Updated:	2019-03-20T01:16:10.000
Chemical Name:	MYCLOBUTANIL
Common Name:	EAGLE 20EW
Case Number:	88671-89-0
Record ID:	DEH2009-HUPFP-210762
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2018-HCHEM-0196714
Trade Secret:	N
Hazardous Material Type:	Mixture
Last Updated:	2019-03-20T01:16:10.000
Chemical Name:	Chlorothalonil
Common Name:	Ensign 720
Case Number:	1897-45-6
Record ID:	DEH2009-HUPFP-210762
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2018-HCHEM-0196715
Trade Secret:	N
Hazardous Material Type:	Mixture
Last Updated:	2019-03-20T01:16:10.000
Chemical Name:	Iron Phosphaste
Common Name:	FC Sluggo Snail & Slug Bait
Case Number:	10045-86-0
Record ID:	DEH2009-HUPFP-210762
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2018-HCHEM-0196716
Trade Secret:	N
Hazardous Material Type:	Mixture
Last Updated:	2019-03-20T01:16:10.000
Chemical Name:	Sodium Ferric EDTA
Common Name:	Ferroxx
Case Number:	Mixture

NUTRIEN AG SOLUTIONS-SAN MARCOS (Continued) **S106060673**

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0196717
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2019-03-20T01:16:10.000
Chemical Name: Mancozeb
Common Name: Fore 80WP Rainshield
Case Number: 008018-01-7

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0196718
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2019-03-20T01:16:10.000
Chemical Name: COPPER SULFATE PENTAHYDRATE ALGAE CONTROL
Common Name: FORMULA F-30 ALGAE CONTROL
Case Number: 7758-99-8

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0196720
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2019-03-20T01:16:10.000
Chemical Name: Isoxaben
Common Name: Gallery 75 DF
Case Number: 082558-50-7

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0196721
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2019-03-20T01:16:10.000
Chemical Name: Mineral Oil
Common Name: Gavicide Green, Leaf Life
Case Number: 8042-47-6

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0196722
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2019-03-20T01:16:10.000
Chemical Name: GLYPHOSATE - ISOPROPYLAMINE SALT
Common Name: Glyphosphate Plus
Case Number: 38641-94-0

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed

NUTRIEN AG SOLUTIONS-SAN MARCOS (Continued) **S106060673**

Active Permit: Y
Child Record Id: DEH2018-HCHEM-0196723
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2019-03-20T01:16:10.000
Chemical Name: Bacillus thuringiensis
Common Name: Gnatrol WDG
Case Number: mixture

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0196724
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2019-03-20T01:16:10.000
Chemical Name: Paraquat Dichloride
Common Name: Gramoxone SL
Case Number: 1910-42-5

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0196725
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2019-03-20T01:16:10.000
Chemical Name: Sodium Percarbonate
Common Name: GreenClean Pro
Case Number: 15630-89-4

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0196726
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2019-03-20T01:16:10.000
Chemical Name: Phosmet
Common Name: Imidian 70-W
Case Number: 732-11-6

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0196727
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2019-03-20T01:16:10.000
Chemical Name: Isopropylamine salt of glyphosate
Common Name: Kleen Up Pro
Case Number: 38641-94-0

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0196728

NUTRIEN AG SOLUTIONS-SAN MARCOS (Continued) **S106060673**

Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2019-03-20T01:16:10.000
Chemical Name: COPPER HYDROXIDE
Common Name: KOCIDE 3000
Case Number: 20427-59-2

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0196733
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2019-03-20T01:16:10.000
Chemical Name: Potassium Salts of Fatty Acids
Common Name: M-Pede
Case Number: 67701-09-1

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0196734
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2019-03-20T01:16:10.000
Chemical Name: GLYPHOSATE - ISOPROPYLAMINE SALT
Common Name: MAKAZE
Case Number: 38641-94-0

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0196735
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2019-03-20T01:16:10.000
Chemical Name: Malathion
Common Name: Malathion 8 Aquamol
Case Number: 121-75-5

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0196736
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2019-03-20T01:16:10.000
Chemical Name: Imidacloprid
Common Name: Malice 0.5 G 30 lbs
Case Number: 138261-41-3

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0196737
Trade Secret: N
Hazardous Material Type: Mixture

NUTRIEN AG SOLUTIONS-SAN MARCOS (Continued) **S106060673**

Last Updated: 2019-03-20T01:16:10.000
Chemical Name: Imidacloprid
Common Name: Marathon 1G
Case Number: 138261-41-3

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0196739
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2019-03-20T01:16:10.000
Chemical Name: Metaldehyde
Common Name: Metaldehyde 3.5%
Case Number: 108-62-3

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0196740
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2019-03-20T01:16:10.000
Chemical Name: Metaldehyde
Common Name: Metaldehyde 7.5
Case Number: 108-62-3

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0196741
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2019-03-20T01:16:10.000
Chemical Name: Sulfur, micronized
Common Name: Microthiol Disperss
Case Number: 7704-34-9

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0196742
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2019-03-20T01:16:10.000
Chemical Name: Potassium Bicarbonate
Common Name: MILSTOP
Case Number: Mixture

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0196743
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2019-03-20T01:16:10.000
Chemical Name: Desinfectant

NUTRIEN AG SOLUTIONS-SAN MARCOS (Continued) **S106060673**

Common Name: Nacco San
Case Number: MIXTURE

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0196744
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2019-03-20T01:16:10.000
Chemical Name: Cuprous Oxide
Common Name: Nordox 75WG
Case Number: 1317-39-1

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0196745
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2019-03-20T01:16:10.000
Chemical Name: Copper hydroxide (Cu(OH)2)
Common Name: Nu-Cop 50 DF
Case Number: 20427-59-2

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0196746
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2019-03-20T01:16:10.000
Chemical Name: Oxyfluorfen
Common Name: OH2
Case Number: 42874-03-3

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0196747
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2019-03-20T01:16:10.000
Chemical Name: Distillates (petroleum), solvent-refined heavy paraffinic
Common Name: Oil Ultrapure
Case Number: 64741-88-4

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0196748
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2019-03-20T01:16:10.000
Chemical Name: Triclopyr, Butoxy Ethyl Ester
Common Name: Pathfinder II
Case Number: 64700-56-7

NUTRIEN AG SOLUTIONS-SAN MARCOS (Continued) **S106060673**

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0196749
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2019-03-20T01:16:10.000
Chemical Name: Diphacinone
Common Name: PCQ Bait
Case Number: 82-66-6

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0196750
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2019-03-20T01:16:10.000
Chemical Name: Quaternary ammonium compound
Common Name: Physan 20
Case Number: MIXTURE

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0196751
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2019-03-20T01:16:10.000
Chemical Name: Trinexapac-Ethyl
Common Name: Primo Maxx
Case Number: 95266-40-3

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0196752
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2019-03-20T01:16:10.000
Chemical Name: Propiconazole
Common Name: Procon Z
Case Number: 60207-90-1

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0196753
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2019-03-20T01:16:10.000
Chemical Name: Ethephon
Common Name: Proxy
Case Number: 16672-87-0

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed

NUTRIEN AG SOLUTIONS-SAN MARCOS (Continued) **S106060673**

Active Permit: Y
Child Record Id: DEH2018-HCHEM-0196754
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2019-03-20T01:16:10.000
Chemical Name: PYRETHRINS
Common Name: PYGANIC EC 1.4 II
Case Number: 8003-34-7

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0196755
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2019-03-20T01:16:10.000
Chemical Name: PYRETHRINS
Common Name: PYGANIC EC 5.0
Case Number: 8003-34-7

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0196756
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2019-03-20T01:16:10.000
Chemical Name: Ammonium Salt of Glyphosate
Common Name: Quikpro
Case Number: 40465-66-5

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0196757
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2019-03-20T01:16:10.000
Chemical Name: 2-Diphenylacetyl-1,3-Indandione
Common Name: Ramik Green Bait
Case Number: 82-66-6

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0196758
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2019-03-20T01:16:10.000
Chemical Name: Isopropylamine salt of glyphosate
Common Name: Ranger Pro
Case Number: 38641-94-0

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0196759

NUTRIEN AG SOLUTIONS-SAN MARCOS (Continued) **S106060673**

Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2019-03-20T01:16:10.000
Chemical Name: Alkoxylated Polyols
Common Name: Revert
Case Number: MIXTURE

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0196760
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2019-03-20T01:16:10.000
Chemical Name: DIQUAT DIBROMIDE
Common Name: REWARD
Case Number: 85-00-7

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0196761
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2019-03-20T01:16:10.000
Chemical Name: Glyphosate-Isopropylamine
Common Name: Rodeo
Case Number: 38641-94-0

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0196764
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2019-03-20T01:16:10.000
Chemical Name: Potassium Salt of Glyphosate
Common Name: Roundup Pro Concentrate
Case Number: 70901-12-2

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0196767
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2019-03-20T01:16:10.000
Chemical Name: Dinotefuran
Common Name: Safari 20 SG
Case Number: 165252-70-0

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0196768
Trade Secret: N
Hazardous Material Type: Mixture

NUTRIEN AG SOLUTIONS-SAN MARCOS (Continued) **S106060673**

Last Updated: 2019-03-20T01:16:10.000
Chemical Name: Pelargonic Acid
Common Name: Scythe
Case Number: 112-05-0

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0196769
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2019-03-20T01:16:10.000
Chemical Name: SPINOSAD
Common Name: SEDUCE INSECT BAIT
Case Number: organic

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0196770
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2019-03-20T01:16:10.000
Chemical Name: CARBARYL
Common Name: SEVIN SL
Case Number: 63-25-3

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0196774
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2019-03-20T01:16:10.000
Chemical Name: Trifluralin
Common Name: Snapshot 2.5tg 50lb Dow Herbicide
Case Number: 082558-50-7

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0196775
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2019-03-20T01:16:10.000
Chemical Name: 2,4 D, 2-ethylhexyl ester
Common Name: Speed Zone Southern
Case Number: 1928-43-4

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0196777
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2019-03-20T01:16:10.000
Chemical Name: Mefenoxam

NUTRIEN AG SOLUTIONS-SAN MARCOS (Continued) **S106060673**

Common Name: Subdue GR
Case Number: 70630-17-0

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0196778
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2019-03-20T01:16:10.000
Chemical Name: Sulfur
Common Name: Sulfur Dusting 98%
Case Number: 7704-34-9

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0196779
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2019-03-20T01:16:10.000
Chemical Name: Oryzalin
Common Name: Surflan AS
Case Number: 19044-88-3

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0196780
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2019-03-20T01:16:10.000
Chemical Name: ORYZALIN
Common Name: Surflan AS Speciality
Case Number: 19044-88-3

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0196781
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2019-03-20T01:16:10.000
Chemical Name: Kaolin, calcined
Common Name: Surround WP
Case Number: 1322-58-7

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0196782
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2019-03-20T01:16:10.000
Chemical Name: Bifenthrin
Common Name: Talstar Nursery Granular
Case Number: mixture

NUTRIEN AG SOLUTIONS-SAN MARCOS (Continued) **S106060673**

Record ID:	DEH2009-HUPFP-210762
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2018-HCHEM-0196783
Trade Secret:	N
Hazardous Material Type:	Mixture
Last Updated:	2019-03-20T01:16:10.000
Chemical Name:	Monosodium methanearsonate
Common Name:	Target 6 Plus
Case Number:	2163-80-6

Record ID:	DEH2009-HUPFP-210762
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2018-HCHEM-0196784
Trade Secret:	N
Hazardous Material Type:	Mixture
Last Updated:	2019-03-20T01:16:10.000
Chemical Name:	HYDROGEN DIOXIDE
Common Name:	TERRACLEAN
Case Number:	7722-84-1

Record ID:	DEH2009-HUPFP-210762
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2018-HCHEM-0196785
Trade Secret:	N
Hazardous Material Type:	Mixture
Last Updated:	2019-03-20T01:16:10.000
Chemical Name:	CLARIDIED HYDROPHOBIC EXTACT OF NEEM OIL
Common Name:	Trilogy 70EC
Case Number:	947173-77-5

Record ID:	DEH2009-HUPFP-210762
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2018-HCHEM-0196786
Trade Secret:	N
Hazardous Material Type:	Mixture
Last Updated:	2019-03-20T01:16:10.000
Chemical Name:	OXAMYL
Common Name:	VYDATE L
Case Number:	23135-22-0

Record ID:	DEH2009-HUPFP-210762
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2018-HCHEM-0196787
Trade Secret:	N
Hazardous Material Type:	Mixture
Last Updated:	2019-03-20T01:16:10.000
Chemical Name:	Chlorpyrifos
Common Name:	Warhawk
Case Number:	2921-88-2

Record ID:	DEH2009-HUPFP-210762
Permit Status:	Permit Renewed

NUTRIEN AG SOLUTIONS-SAN MARCOS (Continued) **S106060673**

Active Permit: Y
Child Record Id: DEH2018-HCHEM-0196788
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2019-03-20T01:16:10.000
Chemical Name: ALUMINUM PHOSPHIDE
Common Name: WEEVIL-CIDE TABLETS
Case Number: 20859-73-8

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0196789
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2019-03-20T01:16:10.000
Chemical Name: POLYETHER-POLYMETHYLSILOXANE-COPOLYMER POLYETHER
Common Name: WIDESPREAD MAX (NON-IONIC WETTING AGENT/SPREADER/PEN SURFACT)
Case Number: Mixture

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0196790
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2019-03-20T01:16:10.000
Chemical Name: STRYCHNINE ALKALOID NXF
Common Name: WILCO/COOKE GOPHER GETTER
Case Number: 57249

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0196791
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2019-03-20T01:16:10.000
Chemical Name: Imidacloprid
Common Name: Wrangler Insecticide
Case Number: 138261-41-3

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0196792
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2019-03-20T01:16:10.000
Chemical Name: Hydrogen Dioxide
Common Name: Zerotol
Case Number: 7722-84-1

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0196793

NUTRIEN AG SOLUTIONS-SAN MARCOS (Continued) **S106060673**

Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2019-03-20T01:16:10.000
Chemical Name: Propane
Common Name: Liquified Petroleum Gas (lpg)
Case Number: 74-98-6

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HCHEM-0264749
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2021-10-06T02:31:51.000
Chemical Name: Dry Fertilizer Mixture
Common Name: 15-15-15 M PROLINE 50#
Case Number: mixture

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HCHEM-0264750
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2021-10-06T02:31:51.000
Chemical Name: Fertilizer with Prodiamine
Common Name: 16-00-16 SIG STD .375 EVADE
Case Number: mixture

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HCHEM-0264763
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2021-10-06T02:31:51.000
Chemical Name: Dry Fertilizer Mixture
Common Name: 19-4-4 NITRA KING 50LB
Case Number: mixture

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HCHEM-0264764
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2021-10-06T02:31:51.000
Chemical Name: Dry Fertilizer Mixture
Common Name: 20-5-5 Topdress High Iron
Case Number: mixture

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HCHEM-0264765
Trade Secret: N
Hazardous Material Type: Mixture

NUTRIEN AG SOLUTIONS-SAN MARCOS (Continued) **S106060673**

Last Updated: 2021-10-06T02:31:51.000
Chemical Name: Fertilizer Granules/Tablets
Common Name: 20-10-5 Best Paks/Agriform
Case Number: mixture

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HCHEM-0264899
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2021-10-06T02:31:51.000
Chemical Name: Chlorpyrifos
Common Name: Warhawk
Case Number: 2921-88-2

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HCHEM-0264900
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2021-10-06T02:31:51.000
Chemical Name: ALUMINUM PHOSPHIDE
Common Name: WEEVIL-CIDE TABLETS
Case Number: 20859-73-8

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HCHEM-0264901
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2021-10-06T02:31:51.000
Chemical Name: POLYETHER-POLYMETHYLSILOXANE-COPOLYMER POLYETHER
Common Name: WIDESPREAD MAX (NON-IONIC WETTING AGENT/SPREADER/PEN SURFACT)
Case Number: Mixture

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HCHEM-0264902
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2021-10-06T02:31:51.000
Chemical Name: STRYCHNINE ALKALOID NXF
Common Name: WILCO/COOKE GOPHER GETTER
Case Number: 57249

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HCHEM-0264903
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2021-10-06T02:31:51.000
Chemical Name: Imidacloprid

NUTRIEN AG SOLUTIONS-SAN MARCOS (Continued) **S106060673**

Common Name: Wrangler Insecticide
Case Number: 138261-41-3

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0196622
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2019-03-20T01:16:10.000
Chemical Name: Monocalcium Phosphate
Common Name: 0-46-0 Apex 50#
Case Number: mixture

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0196623
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2019-03-20T01:16:10.000
Chemical Name: Monocalcium Phosphate
Common Name: 0-45-0 TSP PROLINE 50#
Case Number: mixture

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0196650
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2019-03-20T01:16:10.000
Chemical Name: Dry Fertilizer Mixture
Common Name: 19-6-13 APEX NPK/Osmocote 50#
Case Number: mixture

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0196651
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2019-03-20T01:16:10.000
Chemical Name: Dry Fertilizer Mixture
Common Name: 19-4-4 NITRA KING 50LB
Case Number: mixture

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0196652
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2019-03-20T01:16:10.000
Chemical Name: Dry Fertilizer Mixture
Common Name: 20-5-5 Topdress High Iron
Case Number: mixture

NUTRIEN AG SOLUTIONS-SAN MARCOS (Continued) **S106060673**

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0196672
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2019-03-20T01:16:10.000
Chemical Name: UREA
Common Name: 46-0-0 (LOW BI UREA) 50#
Case Number: 57-13-6

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0196673
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2019-03-20T01:16:10.000
Chemical Name: UREA
Common Name: 46-0-0 PRILLED UREA 50LB
Case Number: 57-13-6

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0196674
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2019-03-20T01:16:10.000
Chemical Name: Dry Fertilizer Mixture
Common Name: 6-24-24 XB SIMPLOT
Case Number: mixture

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0196675
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2019-03-20T01:16:10.000
Chemical Name: Micronutrient
Common Name: 9-9-9 SUPER FE SIMP 50#
Case Number: mixture

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0196676
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2019-03-20T01:16:10.000
Chemical Name: Hydrated Sodium Calcium Aluminosilicate
Common Name: AZOMITE MICRONIZED 44LB
Case Number: 1344-01-0

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed

NUTRIEN AG SOLUTIONS-SAN MARCOS (Continued) **S106060673**

Active Permit: Y
Child Record Id: DEH2018-HCHEM-0196677
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2019-03-20T01:16:10.000
Chemical Name: Calcium Sulfate
Common Name: CAL CM PLUS STD/MINI PRILL 50LB
Case Number: mixture

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0196678
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2019-03-20T01:16:10.000
Chemical Name: N-P-K Mixed dry blended fertilizer
Common Name: CAN 27 50LB
Case Number: mixture

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0196679
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2019-03-20T01:16:10.000
Chemical Name: Magnesium Sulfate
Common Name: EPSOTOP MAGNESIUM SULFATE 55.10LB
Case Number: 10034-99-8

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0196680
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2019-03-20T01:16:10.000
Chemical Name: Monopotasassium Phosphate
Common Name: FC KEEP 0-52-34
Case Number: 7778-77-0

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0196681
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2019-03-20T01:16:10.000
Chemical Name: Dry Fertilizer Mixture
Common Name: FEATURE 6-0-0 15X3LB
Case Number: mixture

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0196690

NUTRIEN AG SOLUTIONS-SAN MARCOS (Continued) **S106060673**

Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2019-03-20T01:16:10.000
Chemical Name: Purified Phosphoric Acid
Common Name: 0-55-0 DRIP GRADE ACID FERTILIZER
Case Number: 7664-38-2

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0196719
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2019-03-20T01:16:10.000
Chemical Name: Pendimethalin
Common Name: Freehand 1.75G
Case Number: 40487-42-1

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0196729
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2019-03-20T01:16:10.000
Chemical Name: Bromacil
Common Name: Krovar DF
Case Number: 3147-40-9

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0196730
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2019-03-20T01:16:10.000
Chemical Name: BLEND OF METHYLACETIC ACID, LECITHIN & SURFACTANT
Common Name: LI 700
Case Number: 79-09-4

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0196731
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2019-03-20T01:16:10.000
Chemical Name: LECITHIN, METHYL ESTERS OF FATTY ACIDS, & ALCOHOL ETHOXYLATE
Common Name: LIBERATE WITH LECI-TECH
Case Number: 34398-01-1

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0196732
Trade Secret: N
Hazardous Material Type: Mixture

NUTRIEN AG SOLUTIONS-SAN MARCOS (Continued) **S106060673**

Last Updated: 2019-03-20T01:16:10.000
Chemical Name: CHLORPYRIFOS
Common Name: LORSBAN 15G
Case Number: 2921-88-2

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0196738
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2019-03-20T01:16:10.000
Chemical Name: Imidacloprid
Common Name: MERIT 0.5 G
Case Number: MIXTURE

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0196762
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2019-03-20T01:16:10.000
Chemical Name: Oxadizon
Common Name: Ronstar G
Case Number: 19666-30-9

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0196763
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2019-03-20T01:16:10.000
Chemical Name: Potassium Salt of Glyphosate
Common Name: ROUNDUP POWERMAX
Case Number: 70901-12-1

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0196765
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2019-03-20T01:16:10.000
Chemical Name: Potassium Salt of Glyphosate
Common Name: Roundup Promax/Custom
Case Number: 70901-12-1

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0196766
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2019-03-20T01:16:10.000
Chemical Name: Oxyfluorfen

NUTRIEN AG SOLUTIONS-SAN MARCOS (Continued) **S106060673**

Common Name: Rout
Case Number: 42874-03-3

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0196771
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2019-03-20T01:16:10.000
Chemical Name: Hydrogen Peroxide
Common Name: Sanidate 5.0 / 12.0
Case Number: 7722-84-1

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0196772
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2019-03-20T01:16:10.000
Chemical Name: Trifluralin
Common Name: Showcase
Case Number: 1582-09-8

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0196773
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2019-03-20T01:16:10.000
Chemical Name: Simazine
Common Name: Simazine 90 DF
Case Number: 122-34-9

Record ID: DEH2009-HUPFP-210762
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0196776
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2019-03-20T01:16:10.000
Chemical Name: Mefenoxam
Common Name: Subdue Maxx
Case Number: 70630-17-0

Name: DON HUBBARD CONTRACTING CO
Address: 1015 LINDA VISTA DR
City,State,Zip: SAN MARCOS, CA 92078
Permit Number: 108659
Business Type: 6HK70
EPA Id Number: CAL000219222
APN: 219-330-62-00
Last HMMD Inspection: 08/11/2011
Facility Telephone: 760-736-3241

NUTRIEN AG SOLUTIONS-SAN MARCOS (Continued) **S106060673**

Permit Status:	OPEN
Permit Expiration:	04/30/2013
Date Last Updated:	11/02/2012
Facility Owner:	DON HUBBARD
Facility Mailing Address:	1015 LINDA VISTA DR #A
Facility Mailing City:	SAN MARCOS
Facility Mailing State:	CA
Facility Mailing Zip:	92078
UST Owner:	CERTAINTEED CORP.
Handle Regulated Hazmat:	Y
Own Or Operate UST:	Not reported
Subject To APSA:	Y
Generate Haz Waste:	Y
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

Inventory Active Permits (not SQG Medical):

Permit Number:	108659
Update Date:	11/02/2012
Case Number:	68334-30-5
Name:	DIESEL FUEL
Other Information:	(1X1000+1X680) ON TRUCK/ /TRAILER
Material Waste:	Material
Hazardous Categories 1:	FIRE
Hazardous Categories 2:	CHRONIC

Permit Number:	108659
Update Date:	11/02/2012
Case Number:	68334-30-5
Name:	DIESEL FUEL
Other Information:	(1X1000+1X680) ON TRUCK/ /TRAILER
Material Waste:	Material
Hazardous Categories 1:	FIRE
Hazardous Categories 2:	CHRONIC

Permit Number:	108659
Update Date:	11/02/2012
Case Number:	8006-61-9
Name:	GASOLINE
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	FIRE
Hazardous Categories 2:	CHRONIC

Permit Number:	108659
Update Date:	11/02/2012
Case Number:	8002-05-9
Name:	MIXED OILS
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	FIRE
Hazardous Categories 2:	CHRONIC

Permit Number:	108659
Update Date:	11/02/2012
Case Number:	7782-44-7
Name:	OXYGEN/ACETYLENE
Other Information:	Not reported

NUTRIEN AG SOLUTIONS-SAN MARCOS (Continued) **S106060673**

Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: PRESSURE RELEASE

Permit Number: 108659
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 132 AQUEOUS SOL'N WITH METALS
Other Information: PARTS CLEANER (1)
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 108659
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 221 WASTE OIL & MIXED OIL
Other Information: USED OIL
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 108659
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 888 USED OIL FILTERS
Other Information: USED OIL FILTERS
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Violations Active Permits:

Permit Number: 108659
Update Date: 11/02/2012
Inspection Date: 02/09/2004
Violation Code: 6HV0202
Violation: WASTE CONTAINER W/O LABELS
Violation Citation: Hazardous waste containers &/or tanks are missing labels, accumulation date and/or are improperly labeled. CCR 66262.34(a)(2); 66262.34(a)(3) & 66262.34(f)
Activity: ACTIVE

Permit Number: 108659
Update Date: 11/02/2012
Inspection Date: 02/09/2004
Violation Code: 6HV0210
Violation: DID NOT CLEAN SPILL TO FLOOR
Violation Citation: Failure to clean up hazardous waste off of floor surface. 66262.10b
Activity: ACTIVE

Permit Number: 108659
Update Date: 11/02/2012
Inspection Date: 02/09/2004
Violation Code: 6HV0216
Violation: HAZMATS WITHOUT PROPER LABELS
Violation Citation: Hazardous materials have not been adequately labeled within 10 days & are now declared hazardous waste. HSC 25124(b)(3)(A) & 66262.34(f)

NUTRIEN AG SOLUTIONS-SAN MARCOS (Continued) **S106060673**

Activity: ACTIVE

UST:

UST Name:	UNDERGROUND TANK 108659 T001
Last Update:	2012-11-02 14:17:38
Permit Number:	108659
Tank Type:	UNKNOWN
Additional Id:	1
Capacity Gallons:	1000
UST Contents:	REGULAR UNLEADED
Other Content Info:	REGULAR UNLEADED
Reg Status:	REMOVED
Remove Close Date:	1989-01-30 00:00:00
Year Installed:	1973-01-01 00:00:00
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	90
UST Monitor Method:	NO MONITORING ALTERNATIVE SELECTED. VERIFY AND ENTER MONITORING ALTERNATIVE DURING INSPECTION.

Name:	DON HUBBARD CONTRACTING CO
Address:	1015 LINDA VISTA DR
City,State,Zip:	SAN MARCOS, CA 92078
Permit Number:	108659
Business Type:	6HK70
EPA Id Number:	CAL000219222
APN:	219-330-62-00
Last HMMD Inspection:	08/11/2011
Facility Telephone:	760-736-3241
Permit Status:	OPEN
Permit Expiration:	04/30/2013
Date Last Updated:	11/02/2012
Facility Owner:	DON HUBBARD
Facility Mailing Address:	1015 LINDA VISTA DR #A
Facility Mailing City:	SAN MARCOS
Facility Mailing State:	CA
Facility Mailing Zip:	92078
UST Owner:	CERTAINTEED CORP.
Handle Regulated Hazmat:	Y
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Y
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

Inventory Active Permits (not SQG Medical):

Permit Number:	108659
Update Date:	11/02/2012
Case Number:	68334-30-5
Name:	DIESEL FUEL
Other Information:	(1X1000+1X680) ON TRUCK/ /TRAILER
Material Waste:	Material
Hazardous Categories 1:	FIRE
Hazardous Categories 2:	CHRONIC

Permit Number: 108659

NUTRIEN AG SOLUTIONS-SAN MARCOS (Continued) **S106060673**

Update Date:	11/02/2012
Case Number:	68334-30-5
Name:	DIESEL FUEL
Other Information:	(1X1000+1X680) ON TRUCK/ /TRAILER
Material Waste:	Material
Hazardous Categories 1:	FIRE
Hazardous Categories 2:	CHRONIC
Permit Number:	108659
Update Date:	11/02/2012
Case Number:	8006-61-9
Name:	GASOLINE
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	FIRE
Hazardous Categories 2:	CHRONIC
Permit Number:	108659
Update Date:	11/02/2012
Case Number:	8002-05-9
Name:	MIXED OILS
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	FIRE
Hazardous Categories 2:	CHRONIC
Permit Number:	108659
Update Date:	11/02/2012
Case Number:	7782-44-7
Name:	OXYGEN/ACETYLENE
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	FIRE
Hazardous Categories 2:	PRESSURE RELEASE
Permit Number:	108659
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 132 AQUEOUS SOL'N WITH METALS
Other Information:	PARTS CLEANER (1)
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported
Permit Number:	108659
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 221 WASTE OIL & MIXED OIL
Other Information:	USED OIL
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported
Permit Number:	108659
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 888 USED OIL FILTERS

NUTRIEN AG SOLUTIONS-SAN MARCOS (Continued) **S106060673**

Other Information: USED OIL FILTERS
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Violations Active Permits:
Permit Number: 108659
Update Date: 11/02/2012
Inspection Date: 02/09/2004
Violation Code: 6HV0202
Violation: WASTE CONTAINER W/O LABELS
Violation Citation: Hazardous waste containers &/or tanks are missing labels, accumulation date and/or are improperly labeled. CCR 66262.34(a)(2); 66262.34(a)(3) & 66262.34(f)
Activity: ACTIVE

Permit Number: 108659
Update Date: 11/02/2012
Inspection Date: 02/09/2004
Violation Code: 6HV0210
Violation: DID NOT CLEAN SPILL TO FLOOR
Violation Citation: Failure to clean up hazardous waste off of floor surface. 66262.10b
Activity: ACTIVE

Permit Number: 108659
Update Date: 11/02/2012
Inspection Date: 02/09/2004
Violation Code: 6HV0216
Violation: HAZMATS WITHOUT PROPER LABELS
Violation Citation: Hazardous materials have not been adequately labeled within 10 days & are now declared hazardous waste. HSC 25124(b)(3)(A) & 66262.34(f)
Activity: ACTIVE

UST:
UST Name: UNDERGROUND TANK 108659 T001
Last Update: 2012-11-02 14:17:38
Permit Number: 108659
Tank Type: UNKNOWN
Additional Id: 1
Capacity Gallons: 1000
UST Contents: REGULAR UNLEADED
Other Content Info: REGULAR UNLEADED
Reg Status: REMOVED
Remove Close Date: 1989-01-30 00:00:00
Year Installed: 1973-01-01 00:00:00
Pipe Type: Not reported
Delivery System: Not reported
Monitor Code: 90
UST Monitor Method: NO MONITORING ALTERNATIVE SELECTED. VERIFY AND ENTER MONITORING ALTERNATIVE DURING INSPECTION.

Name: DON HUBBARD CONTRACTING CO
Address: 1015 LINDA VISTA DR
City,State,Zip: SAN MARCOS, CA 92078
Permit Number: 108659

NUTRIEN AG SOLUTIONS-SAN MARCOS (Continued) **S106060673**

Business Type:	6HK70
EPA Id Number:	CAL000219222
APN:	219-330-62-00
Last HMMD Inspection:	08/11/2011
Facility Telephone:	760-736-3241
Permit Status:	OPEN
Permit Expiration:	04/30/2013
Date Last Updated:	11/02/2012
Facility Owner:	DON HUBBARD
Facility Mailing Address:	1015 LINDA VISTA DR #A
Facility Mailing City:	SAN MARCOS
Facility Mailing State:	CA
Facility Mailing Zip:	92078
UST Owner:	CERTAINTEED CORP.
Handle Regulated Hazmat:	Y
Own Or Operate UST:	Not reported
Subject To APSA:	N
Generate Haz Waste:	Y
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

Inventory Active Permits (not SQG Medical):

Permit Number:	108659
Update Date:	11/02/2012
Case Number:	68334-30-5
Name:	DIESEL FUEL
Other Information:	(1X1000+1X680) ON TRUCK/ /TRAILER
Material Waste:	Material
Hazardous Categories 1:	FIRE
Hazardous Categories 2:	CHRONIC

Permit Number:	108659
Update Date:	11/02/2012
Case Number:	68334-30-5
Name:	DIESEL FUEL
Other Information:	(1X1000+1X680) ON TRUCK/ /TRAILER
Material Waste:	Material
Hazardous Categories 1:	FIRE
Hazardous Categories 2:	CHRONIC

Permit Number:	108659
Update Date:	11/02/2012
Case Number:	8006-61-9
Name:	GASOLINE
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	FIRE
Hazardous Categories 2:	CHRONIC

Permit Number:	108659
Update Date:	11/02/2012
Case Number:	8002-05-9
Name:	MIXED OILS
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	FIRE
Hazardous Categories 2:	CHRONIC

NUTRIEN AG SOLUTIONS-SAN MARCOS (Continued) **S106060673**

Permit Number:	108659
Update Date:	11/02/2012
Case Number:	7782-44-7
Name:	OXYGEN/ACETYLENE
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	FIRE
Hazardous Categories 2:	PRESSURE RELEASE

Permit Number:	108659
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 132 AQUEOUS SOL'N WITH METALS
Other Information:	PARTS CLEANER (1)
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Permit Number:	108659
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 221 WASTE OIL & MIXED OIL
Other Information:	USED OIL
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Permit Number:	108659
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 888 USED OIL FILTERS
Other Information:	USED OIL FILTERS
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Violations Active Permits:

Permit Number:	108659
Update Date:	11/02/2012
Inspection Date:	02/09/2004
Violation Code:	6HV0202
Violation:	WASTE CONTAINER W/O LABELS
Violation Citation:	Hazardous waste containers &/or tanks are missing labels, accumulation date and/or are improperly labeled. CCR 66262.34(a)(2); 66262.34(a)(3) & 66262.34(f)
Activity:	ACTIVE

Permit Number:	108659
Update Date:	11/02/2012
Inspection Date:	02/09/2004
Violation Code:	6HV0210
Violation:	DID NOT CLEAN SPILL TO FLOOR
Violation Citation:	Failure to clean up hazardous waste off of floor surface. 66262.10b
Activity:	ACTIVE

Permit Number:	108659
Update Date:	11/02/2012

NUTRIEN AG SOLUTIONS-SAN MARCOS (Continued) **S106060673**

Inspection Date:	02/09/2004
Violation Code:	6HV0216
Violation:	HAZMATS WITHOUT PROPER LABELS
Violation Citation:	Hazardous materials have not been adequately labeled within 10 days & are now declared hazardous waste. HSC 25124(b)(3)(A) & 66262.34(f)
Activity:	ACTIVE

UST:

UST Name:	UNDERGROUND TANK 108659 T001
Last Update:	2012-11-02 14:17:38
Permit Number:	108659
Tank Type:	UNKNOWN
Additional Id:	1
Capacity Gallons:	1000
UST Contents:	REGULAR UNLEADED
Other Content Info:	REGULAR UNLEADED
Reg Status:	REMOVED
Remove Close Date:	1989-01-30 00:00:00
Year Installed:	1973-01-01 00:00:00
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	90
UST Monitor Method:	NO MONITORING ALTERNATIVE SELECTED. VERIFY AND ENTER MONITORING ALTERNATIVE DURING INSPECTION.

Name:	DON HUBBARD CONTRACTING CO
Address:	1015 LINDA VISTA DR
City,State,Zip:	SAN MARCOS, CA 92078
Permit Number:	108659
Business Type:	6HK70
EPA Id Number:	CAL000219222
APN:	219-330-62-00
Last HMMD Inspection:	08/11/2011
Facility Telephone:	760-736-3241
Permit Status:	OPEN
Permit Expiration:	04/30/2013
Date Last Updated:	11/02/2012
Facility Owner:	DON HUBBARD
Facility Mailing Address:	1015 LINDA VISTA DR #A
Facility Mailing City:	SAN MARCOS
Facility Mailing State:	CA
Facility Mailing Zip:	92078
UST Owner:	CERTAINTEED CORP.
Handle Regulated Hazmat:	Y
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Y
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

Inventory Active Permits (not SQG Medical):

Permit Number:	108659
Update Date:	11/02/2012
Case Number:	68334-30-5
Name:	DIESEL FUEL
Other Information:	(1X1000+1X680) ON TRUCK/ /TRAILER

NUTRIEN AG SOLUTIONS-SAN MARCOS (Continued) **S106060673**

Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: CHRONIC

Permit Number: 108659
Update Date: 11/02/2012
Case Number: 68334-30-5
Name: DIESEL FUEL
Other Information: (1X1000+1X680) ON TRUCK/ /TRAILER
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: CHRONIC

Permit Number: 108659
Update Date: 11/02/2012
Case Number: 8006-61-9
Name: GASOLINE
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: CHRONIC

Permit Number: 108659
Update Date: 11/02/2012
Case Number: 8002-05-9
Name: MIXED OILS
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: CHRONIC

Permit Number: 108659
Update Date: 11/02/2012
Case Number: 7782-44-7
Name: OXYGEN/ACETYLENE
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: PRESSURE RELEASE

Permit Number: 108659
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 132 AQUEOUS SOL'N WITH METALS
Other Information: PARTS CLEANER (1)
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 108659
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 221 WASTE OIL & MIXED OIL
Other Information: USED OIL
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

NUTRIEN AG SOLUTIONS-SAN MARCOS (Continued) **S106060673**

Permit Number:	108659
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 888 USED OIL FILTERS
Other Information:	USED OIL FILTERS
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Violations Active Permits:

Permit Number:	108659
Update Date:	11/02/2012
Inspection Date:	02/09/2004
Violation Code:	6HV0202
Violation:	WASTE CONTAINER W/O LABELS
Violation Citation:	Hazardous waste containers &/or tanks are missing labels, accumulation date and/or are improperly labeled. CCR 66262.34(a)(2); 66262.34(a)(3) & 66262.34(f)
Activity:	ACTIVE

Permit Number:	108659
Update Date:	11/02/2012
Inspection Date:	02/09/2004
Violation Code:	6HV0210
Violation:	DID NOT CLEAN SPILL TO FLOOR
Violation Citation:	Failure to clean up hazardous waste off of floor surface. 66262.10b
Activity:	ACTIVE

Permit Number:	108659
Update Date:	11/02/2012
Inspection Date:	02/09/2004
Violation Code:	6HV0216
Violation:	HAZMATS WITHOUT PROPER LABELS
Violation Citation:	Hazardous materials have not been adequately labeled within 10 days & are now declared hazardous waste. HSC 25124(b)(3)(A) & 66262.34(f)
Activity:	ACTIVE

UST:

UST Name:	UNDERGROUND TANK 108659 T001
Last Update:	2012-11-02 14:17:38
Permit Number:	108659
Tank Type:	UNKNOWN
Additional Id:	1
Capacity Gallons:	1000
UST Contents:	REGULAR UNLEADED
Other Content Info:	REGULAR UNLEADED
Reg Status:	REMOVED
Remove Close Date:	1989-01-30 00:00:00
Year Installed:	1973-01-01 00:00:00
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	90
UST Monitor Method:	NO MONITORING ALTERNATIVE SELECTED. VERIFY AND ENTER MONITORING ALTERNATIVE DURING INSPECTION.

NUTRIEN AG SOLUTIONS-SAN MARCOS (Continued) **S106060673**

Name:	DON HUBBARD CONTRACTING CO
Address:	1015 LINDA VISTA DR
City,State,Zip:	SAN MARCOS, CA 92078
Permit Number:	108659
Business Type:	6HK70
EPA Id Number:	CAL000219222
APN:	219-330-62-00
Last HMMD Inspection:	08/11/2011
Facility Telephone:	760-736-3241
Permit Status:	OPEN
Permit Expiration:	04/30/2013
Date Last Updated:	11/02/2012
Facility Owner:	DON HUBBARD
Facility Mailing Address:	1015 LINDA VISTA DR #A
Facility Mailing City:	SAN MARCOS
Facility Mailing State:	CA
Facility Mailing Zip:	92078
UST Owner:	CERTAINTEED CORP.
Handle Regulated Hazmat:	Y
Own Or Operate UST:	Not reported
Subject To APSA:	Y
Generate Haz Waste:	Y
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

Inventory Active Permits (not SQG Medical):

Permit Number:	108659
Update Date:	11/02/2012
Case Number:	68334-30-5
Name:	DIESEL FUEL
Other Information:	(1X1000+1X680) ON TRUCK/ /TRAILER
Material Waste:	Material
Hazardous Categories 1:	FIRE
Hazardous Categories 2:	CHRONIC

Permit Number:	108659
Update Date:	11/02/2012
Case Number:	68334-30-5
Name:	DIESEL FUEL
Other Information:	(1X1000+1X680) ON TRUCK/ /TRAILER
Material Waste:	Material
Hazardous Categories 1:	FIRE
Hazardous Categories 2:	CHRONIC

Permit Number:	108659
Update Date:	11/02/2012
Case Number:	8006-61-9
Name:	GASOLINE
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	FIRE
Hazardous Categories 2:	CHRONIC

Permit Number:	108659
Update Date:	11/02/2012
Case Number:	8002-05-9
Name:	MIXED OILS
Other Information:	Not reported

NUTRIEN AG SOLUTIONS-SAN MARCOS (Continued) **S106060673**

Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: CHRONIC

Permit Number: 108659
Update Date: 11/02/2012
Case Number: 7782-44-7
Name: OXYGEN/ACETYLENE
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: PRESSURE RELEASE

Permit Number: 108659
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 132 AQUEOUS SOL'N WITH METALS
Other Information: PARTS CLEANER (1)
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 108659
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 221 WASTE OIL & MIXED OIL
Other Information: USED OIL
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 108659
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 888 USED OIL FILTERS
Other Information: USED OIL FILTERS
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Violations Active Permits:

Permit Number: 108659
Update Date: 11/02/2012
Inspection Date: 02/09/2004
Violation Code: 6HV0202
Violation: WASTE CONTAINER W/O LABELS
Violation Citation: Hazardous waste containers &/or tanks are missing labels, accumulation date and/or are improperly labeled. CCR 66262.34(a)(2); 66262.34(a)(3) & 66262.34(f)
Activity: ACTIVE

Permit Number: 108659
Update Date: 11/02/2012
Inspection Date: 02/09/2004
Violation Code: 6HV0210
Violation: DID NOT CLEAN SPILL TO FLOOR
Violation Citation: Failure to clean up hazardous waste off of floor surface. 66262.10b

NUTRIEN AG SOLUTIONS-SAN MARCOS (Continued) **S106060673**

Activity: ACTIVE

Permit Number: 108659
Update Date: 11/02/2012
Inspection Date: 02/09/2004
Violation Code: 6HV0216
Violation: HAZMATS WITHOUT PROPER LABELS
Violation Citation: Hazardous materials have not been adequately labeled within 10 days & are now declared hazardous waste. HSC 25124(b)(3)(A) & 66262.34(f)
Activity: ACTIVE

UST:
UST Name: UNDERGROUND TANK 108659 T001
Last Update: 2012-11-02 14:17:38
Permit Number: 108659
Tank Type: UNKNOWN
Additional Id: 1
Capacity Gallons: 1000
UST Contents: REGULAR UNLEADED
Other Content Info: REGULAR UNLEADED
Reg Status: REMOVED
Remove Close Date: 1989-01-30 00:00:00
Year Installed: 1973-01-01 00:00:00
Pipe Type: Not reported
Delivery System: Not reported
Monitor Code: 90
UST Monitor Method: NO MONITORING ALTERNATIVE SELECTED. VERIFY AND ENTER MONITORING ALTERNATIVE DURING INSPECTION.

Name: DON HUBBARD CONTRACTING CO
Address: 1015 LINDA VISTA DR
City,State,Zip: SAN MARCOS, CA 92078
Permit Number: 108659
Business Type: 6HK70
EPA Id Number: CAL000219222
APN: 219-330-62-00
Last HMMD Inspection: 08/11/2011
Facility Telephone: 760-736-3241
Permit Status: OPEN
Permit Expiration: 04/30/2013
Date Last Updated: 11/02/2012
Facility Owner: DON HUBBARD
Facility Mailing Address: 1015 LINDA VISTA DR #A
Facility Mailing City: SAN MARCOS
Facility Mailing State: CA
Facility Mailing Zip: 92078
UST Owner: CERTAINTEED CORP.
Handle Regulated Hazmat: Y
Own Or Operate UST: Not reported
Subject To APSA: Not reported
Generate Haz Waste: Y
Treat Haz Waste: Not reported
Generate Medical Waste: Not reported

Inventory Active Permits (not SQG Medical):
Permit Number: 108659

NUTRIEN AG SOLUTIONS-SAN MARCOS (Continued) **S106060673**

Update Date:	11/02/2012
Case Number:	68334-30-5
Name:	DIESEL FUEL
Other Information:	(1X1000+1X680) ON TRUCK/ /TRAILER
Material Waste:	Material
Hazardous Categories 1:	FIRE
Hazardous Categories 2:	CHRONIC
Permit Number:	108659
Update Date:	11/02/2012
Case Number:	68334-30-5
Name:	DIESEL FUEL
Other Information:	(1X1000+1X680) ON TRUCK/ /TRAILER
Material Waste:	Material
Hazardous Categories 1:	FIRE
Hazardous Categories 2:	CHRONIC
Permit Number:	108659
Update Date:	11/02/2012
Case Number:	8006-61-9
Name:	GASOLINE
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	FIRE
Hazardous Categories 2:	CHRONIC
Permit Number:	108659
Update Date:	11/02/2012
Case Number:	8002-05-9
Name:	MIXED OILS
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	FIRE
Hazardous Categories 2:	CHRONIC
Permit Number:	108659
Update Date:	11/02/2012
Case Number:	7782-44-7
Name:	OXYGEN/ACETYLENE
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	FIRE
Hazardous Categories 2:	PRESSURE RELEASE
Permit Number:	108659
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 132 AQUEOUS SOL'N WITH METALS
Other Information:	PARTS CLEANER (1)
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported
Permit Number:	108659
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 221 WASTE OIL & MIXED OIL

NUTRIEN AG SOLUTIONS-SAN MARCOS (Continued) **S106060673**

Other Information:	USED OIL
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported
Permit Number:	108659
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 888 USED OIL FILTERS
Other Information:	USED OIL FILTERS
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Violations Active Permits:

Permit Number:	108659
Update Date:	11/02/2012
Inspection Date:	02/09/2004
Violation Code:	6HV0202
Violation:	WASTE CONTAINER W/O LABELS
Violation Citation:	Hazardous waste containers &/or tanks are missing labels, accumulation date and/or are improperly labeled. CCR 66262.34(a)(2); 66262.34(a)(3) & 66262.34(f)
Activity:	ACTIVE
Permit Number:	108659
Update Date:	11/02/2012
Inspection Date:	02/09/2004
Violation Code:	6HV0210
Violation:	DID NOT CLEAN SPILL TO FLOOR
Violation Citation:	Failure to clean up hazardous waste off of floor surface. 66262.10b
Activity:	ACTIVE
Permit Number:	108659
Update Date:	11/02/2012
Inspection Date:	02/09/2004
Violation Code:	6HV0216
Violation:	HAZMATS WITHOUT PROPER LABELS
Violation Citation:	Hazardous materials have not been adequately labeled within 10 days & are now declared hazardous waste. HSC 25124(b)(3)(A) & 66262.34(f)
Activity:	ACTIVE

UST:

UST Name:	UNDERGROUND TANK 108659 T001
Last Update:	2012-11-02 14:17:38
Permit Number:	108659
Tank Type:	UNKNOWN
Additional Id:	1
Capacity Gallons:	1000
UST Contents:	REGULAR UNLEADED
Other Content Info:	REGULAR UNLEADED
Reg Status:	REMOVED
Remove Close Date:	1989-01-30 00:00:00
Year Installed:	1973-01-01 00:00:00
Pipe Type:	Not reported
Delivery System:	Not reported

NUTRIEN AG SOLUTIONS-SAN MARCOS (Continued) **S106060673**

Monitor Code:	90
UST Monitor Method:	NO MONITORING ALTERNATIVE SELECTED. VERIFY AND ENTER MONITORING ALTERNATIVE DURING INSPECTION.

Name:	DON HUBBARD CONTRACTING CO
Address:	1015 LINDA VISTA DR
City,State,Zip:	SAN MARCOS, CA 92078
Permit Number:	108659
Business Type:	6HK70
EPA Id Number:	CAL000219222
APN:	219-330-62-00
Last HMMD Inspection:	08/11/2011
Facility Telephone:	760-736-3241
Permit Status:	OPEN
Permit Expiration:	04/30/2013
Date Last Updated:	11/02/2012
Facility Owner:	DON HUBBARD
Facility Mailing Address:	1015 LINDA VISTA DR #A
Facility Mailing City:	SAN MARCOS
Facility Mailing State:	CA
Facility Mailing Zip:	92078
UST Owner:	CERTAINTEED CORP.
Handle Regulated Hazmat:	Y
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Y
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

Inventory Active Permits (not SQG Medical):

Permit Number:	108659
Update Date:	11/02/2012
Case Number:	68334-30-5
Name:	DIESEL FUEL
Other Information:	(1X1000+1X680) ON TRUCK/ /TRAILER
Material Waste:	Material
Hazardous Categories 1:	FIRE
Hazardous Categories 2:	CHRONIC

Permit Number:	108659
Update Date:	11/02/2012
Case Number:	68334-30-5
Name:	DIESEL FUEL
Other Information:	(1X1000+1X680) ON TRUCK/ /TRAILER
Material Waste:	Material
Hazardous Categories 1:	FIRE
Hazardous Categories 2:	CHRONIC

Permit Number:	108659
Update Date:	11/02/2012
Case Number:	8006-61-9
Name:	GASOLINE
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	FIRE
Hazardous Categories 2:	CHRONIC

NUTRIEN AG SOLUTIONS-SAN MARCOS (Continued) **S106060673**

Permit Number: 108659
Update Date: 11/02/2012
Case Number: 8002-05-9
Name: MIXED OILS
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: CHRONIC

Permit Number: 108659
Update Date: 11/02/2012
Case Number: 7782-44-7
Name: OXYGEN/ACETYLENE
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: PRESSURE RELEASE

Permit Number: 108659
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 132 AQUEOUS SOL'N WITH METALS
Other Information: PARTS CLEANER (1)
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 108659
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 221 WASTE OIL & MIXED OIL
Other Information: USED OIL
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 108659
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 888 USED OIL FILTERS
Other Information: USED OIL FILTERS
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Violations Active Permits:
Permit Number: 108659
Update Date: 11/02/2012
Inspection Date: 02/09/2004
Violation Code: 6HV0202
Violation: WASTE CONTAINER W/O LABELS
Violation Citation: Hazardous waste containers &/or tanks are missing labels, accumulation date and/or are improperly labeled. CCR 66262.34(a)(2); 66262.34(a)(3) & 66262.34(f)
Activity: ACTIVE

Permit Number: 108659

NUTRIEN AG SOLUTIONS-SAN MARCOS (Continued) **S106060673**

Update Date:	11/02/2012
Inspection Date:	02/09/2004
Violation Code:	6HV0210
Violation:	DID NOT CLEAN SPILL TO FLOOR
Violation Citation:	Failure to clean up hazardous waste off of floor surface. 66262.10b
Activity:	ACTIVE
Permit Number:	108659
Update Date:	11/02/2012
Inspection Date:	02/09/2004
Violation Code:	6HV0216
Violation:	HAZMATS WITHOUT PROPER LABELS
Violation Citation:	Hazardous materials have not been adequately labeled within 10 days & are now declared hazardous waste. HSC 25124(b)(3)(A) & 66262.34(f)
Activity:	ACTIVE

UST:

UST Name:	UNDERGROUND TANK 108659 T001
Last Update:	2012-11-02 14:17:38
Permit Number:	108659
Tank Type:	UNKNOWN
Additional Id:	1
Capacity Gallons:	1000
UST Contents:	REGULAR UNLEADED
Other Content Info:	REGULAR UNLEADED
Reg Status:	REMOVED
Remove Close Date:	1989-01-30 00:00:00
Year Installed:	1973-01-01 00:00:00
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	90
UST Monitor Method:	NO MONITORING ALTERNATIVE SELECTED. VERIFY AND ENTER MONITORING ALTERNATIVE DURING INSPECTION.

Name:	DON HUBBARD CONTRACTING CO
Address:	1015 LINDA VISTA DR
City,State,Zip:	SAN MARCOS, CA 92078
Permit Number:	108659
Business Type:	6HK70
EPA Id Number:	CAL000219222
APN:	219-330-62-00
Last HMMD Inspection:	08/11/2011
Facility Telephone:	760-736-3241
Permit Status:	OPEN
Permit Expiration:	04/30/2013
Date Last Updated:	11/02/2012
Facility Owner:	DON HUBBARD
Facility Mailing Address:	1015 LINDA VISTA DR #A
Facility Mailing City:	SAN MARCOS
Facility Mailing State:	CA
Facility Mailing Zip:	92078
UST Owner:	CERTAINTEED CORP.
Handle Regulated Hazmat:	Y
Own Or Operate UST:	Not reported
Subject To APSA:	Y
Generate Haz Waste:	Y

NUTRIEN AG SOLUTIONS-SAN MARCOS (Continued) **S106060673**

Treat Haz Waste: Not reported
Generate Medical Waste: Not reported

Inventory Active Permits (not SQG Medical):
Permit Number: 108659
Update Date: 11/02/2012
Case Number: 68334-30-5
Name: DIESEL FUEL
Other Information: (1X1000+1X680) ON TRUCK/ /TRAILER
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: CHRONIC

Permit Number: 108659
Update Date: 11/02/2012
Case Number: 68334-30-5
Name: DIESEL FUEL
Other Information: (1X1000+1X680) ON TRUCK/ /TRAILER
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: CHRONIC

Permit Number: 108659
Update Date: 11/02/2012
Case Number: 8006-61-9
Name: GASOLINE
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: CHRONIC

Permit Number: 108659
Update Date: 11/02/2012
Case Number: 8002-05-9
Name: MIXED OILS
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: CHRONIC

Permit Number: 108659
Update Date: 11/02/2012
Case Number: 7782-44-7
Name: OXYGEN/ACETYLENE
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: PRESSURE RELEASE

Permit Number: 108659
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 132 AQUEOUS SOL'N WITH METALS
Other Information: PARTS CLEANER (1)
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

NUTRIEN AG SOLUTIONS-SAN MARCOS (Continued) **S106060673**

Permit Number:	108659
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 221 WASTE OIL & MIXED OIL
Other Information:	USED OIL
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Permit Number:	108659
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 888 USED OIL FILTERS
Other Information:	USED OIL FILTERS
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Violations Active Permits:

Permit Number:	108659
Update Date:	11/02/2012
Inspection Date:	02/09/2004
Violation Code:	6HV0202
Violation:	WASTE CONTAINER W/O LABELS
Violation Citation:	Hazardous waste containers &/or tanks are missing labels, accumulation date and/or are improperly labeled. CCR 66262.34(a)(2); 66262.34(a)(3) & 66262.34(f)
Activity:	ACTIVE

Permit Number:	108659
Update Date:	11/02/2012
Inspection Date:	02/09/2004
Violation Code:	6HV0210
Violation:	DID NOT CLEAN SPILL TO FLOOR
Violation Citation:	Failure to clean up hazardous waste off of floor surface. 66262.10b
Activity:	ACTIVE

Permit Number:	108659
Update Date:	11/02/2012
Inspection Date:	02/09/2004
Violation Code:	6HV0216
Violation:	HAZMATS WITHOUT PROPER LABELS
Violation Citation:	Hazardous materials have not been adequately labeled within 10 days & are now declared hazardous waste. HSC 25124(b)(3)(A) & 66262.34(f)
Activity:	ACTIVE

UST:

UST Name:	UNDERGROUND TANK 108659 T001
Last Update:	2012-11-02 14:17:38
Permit Number:	108659
Tank Type:	UNKNOWN
Additional Id:	1
Capacity Gallons:	1000
UST Contents:	REGULAR UNLEADED
Other Content Info:	REGULAR UNLEADED
Reg Status:	REMOVED

NUTRIEN AG SOLUTIONS-SAN MARCOS (Continued) **S106060673**

Remove Close Date:	1989-01-30 00:00:00
Year Installed:	1973-01-01 00:00:00
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	90
UST Monitor Method:	NO MONITORING ALTERNATIVE SELECTED. VERIFY AND ENTER MONITORING ALTERNATIVE DURING INSPECTION.

Name:	DON HUBBARD CONTRACTING CO
Address:	1015 LINDA VISTA DR
City,State,Zip:	SAN MARCOS, CA 92078
Permit Number:	108659
Business Type:	6HK70
EPA Id Number:	CAL000219222
APN:	219-330-62-00
Last HMMD Inspection:	08/11/2011
Facility Telephone:	760-736-3241
Permit Status:	OPEN
Permit Expiration:	04/30/2013
Date Last Updated:	11/02/2012
Facility Owner:	DON HUBBARD
Facility Mailing Address:	1015 LINDA VISTA DR #A
Facility Mailing City:	SAN MARCOS
Facility Mailing State:	CA
Facility Mailing Zip:	92078
UST Owner:	CERTAINTEED CORP.
Handle Regulated Hazmat:	Y
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Y
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

Inventory Active Permits (not SQG Medical):

Permit Number:	108659
Update Date:	11/02/2012
Case Number:	68334-30-5
Name:	DIESEL FUEL
Other Information:	(1X1000+1X680) ON TRUCK/ /TRAILER
Material Waste:	Material
Hazardous Categories 1:	FIRE
Hazardous Categories 2:	CHRONIC

Permit Number:	108659
Update Date:	11/02/2012
Case Number:	68334-30-5
Name:	DIESEL FUEL
Other Information:	(1X1000+1X680) ON TRUCK/ /TRAILER
Material Waste:	Material
Hazardous Categories 1:	FIRE
Hazardous Categories 2:	CHRONIC

Permit Number:	108659
Update Date:	11/02/2012
Case Number:	8006-61-9
Name:	GASOLINE
Other Information:	Not reported

NUTRIEN AG SOLUTIONS-SAN MARCOS (Continued) **S106060673**

Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: CHRONIC

Permit Number: 108659
Update Date: 11/02/2012
Case Number: 8002-05-9
Name: MIXED OILS
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: CHRONIC

Permit Number: 108659
Update Date: 11/02/2012
Case Number: 7782-44-7
Name: OXYGEN/ACETYLENE
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: PRESSURE RELEASE

Permit Number: 108659
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 132 AQUEOUS SOL'N WITH METALS
Other Information: PARTS CLEANER (1)
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 108659
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 221 WASTE OIL & MIXED OIL
Other Information: USED OIL
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 108659
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 888 USED OIL FILTERS
Other Information: USED OIL FILTERS
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Violations Active Permits:
Permit Number: 108659
Update Date: 11/02/2012
Inspection Date: 02/09/2004
Violation Code: 6HV0202
Violation: WASTE CONTAINER W/O LABELS
Violation Citation: Hazardous waste containers &/or tanks are missing labels, accumulation date and/or are improperly labeled. CCR 66262.34(a)(2);

NUTRIEN AG SOLUTIONS-SAN MARCOS (Continued) **S106060673**

66262.34(a)(3) & 66262.34(f)
Activity: ACTIVE

Permit Number: 108659
Update Date: 11/02/2012
Inspection Date: 02/09/2004
Violation Code: 6HV0210
Violation: DID NOT CLEAN SPILL TO FLOOR
Violation Citation: Failure to clean up hazardous waste off of floor surface. 66262.10b
Activity: ACTIVE

Permit Number: 108659
Update Date: 11/02/2012
Inspection Date: 02/09/2004
Violation Code: 6HV0216
Violation: HAZMATS WITHOUT PROPER LABELS
Violation Citation: Hazardous materials have not been adequately labeled within 10 days & are now declared hazardous waste. HSC 25124(b)(3)(A) & 66262.34(f)
Activity: ACTIVE

UST:
UST Name: UNDERGROUND TANK 108659 T001
Last Update: 2012-11-02 14:17:38
Permit Number: 108659
Tank Type: UNKNOWN
Additional Id: 1
Capacity Gallons: 1000
UST Contents: REGULAR UNLEADED
Other Content Info: REGULAR UNLEADED
Reg Status: REMOVED
Remove Close Date: 1989-01-30 00:00:00
Year Installed: 1973-01-01 00:00:00
Pipe Type: Not reported
Delivery System: Not reported
Monitor Code: 90
UST Monitor Method: NO MONITORING ALTERNATIVE SELECTED. VERIFY AND ENTER MONITORING ALTERNATIVE DURING INSPECTION.

Name: DON HUBBARD CONTRACTING CO
Address: 1015 LINDA VISTA DR
City,State,Zip: SAN MARCOS, CA 92078
Permit Number: 108659
Business Type: 6HK70
EPA Id Number: CAL000219222
APN: 219-330-62-00
Last HMMD Inspection: 08/11/2011
Facility Telephone: 760-736-3241
Permit Status: OPEN
Permit Expiration: 04/30/2013
Date Last Updated: 11/02/2012
Facility Owner: DON HUBBARD
Facility Mailing Address: 1015 LINDA VISTA DR #A
Facility Mailing City: SAN MARCOS
Facility Mailing State: CA
Facility Mailing Zip: 92078
UST Owner: CERTAINTEED CORP.

NUTRIEN AG SOLUTIONS-SAN MARCOS (Continued) **S106060673**

Handle Regulated Hazmat: Y
Own Or Operate UST: Not reported
Subject To APSA: Y
Generate Haz Waste: Y
Treat Haz Waste: Not reported
Generate Medical Waste: Not reported

Inventory Active Permits (not SQG Medical):
Permit Number: 108659
Update Date: 11/02/2012
Case Number: 68334-30-5
Name: DIESEL FUEL
Other Information: (1X1000+1X680) ON TRUCK/ /TRAILER
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: CHRONIC

Permit Number: 108659
Update Date: 11/02/2012
Case Number: 68334-30-5
Name: DIESEL FUEL
Other Information: (1X1000+1X680) ON TRUCK/ /TRAILER
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: CHRONIC

Permit Number: 108659
Update Date: 11/02/2012
Case Number: 8006-61-9
Name: GASOLINE
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: CHRONIC

Permit Number: 108659
Update Date: 11/02/2012
Case Number: 8002-05-9
Name: MIXED OILS
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: CHRONIC

Permit Number: 108659
Update Date: 11/02/2012
Case Number: 7782-44-7
Name: OXYGEN/ACETYLENE
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: PRESSURE RELEASE

Permit Number: 108659
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 132 AQUEOUS SOL'N WITH METALS
Other Information: PARTS CLEANER (1)

NUTRIEN AG SOLUTIONS-SAN MARCOS (Continued) **S106060673**

Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 108659
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 221 WASTE OIL & MIXED OIL
Other Information: USED OIL
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 108659
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 888 USED OIL FILTERS
Other Information: USED OIL FILTERS
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Violations Active Permits:
Permit Number: 108659
Update Date: 11/02/2012
Inspection Date: 02/09/2004
Violation Code: 6HV0202
Violation: WASTE CONTAINER W/O LABELS
Violation Citation: Hazardous waste containers &/or tanks are missing labels, accumulation date and/or are improperly labeled. CCR 66262.34(a)(2); 66262.34(a)(3) & 66262.34(f)
Activity: ACTIVE

Permit Number: 108659
Update Date: 11/02/2012
Inspection Date: 02/09/2004
Violation Code: 6HV0210
Violation: DID NOT CLEAN SPILL TO FLOOR
Violation Citation: Failure to clean up hazardous waste off of floor surface. 66262.10b
Activity: ACTIVE

Permit Number: 108659
Update Date: 11/02/2012
Inspection Date: 02/09/2004
Violation Code: 6HV0216
Violation: HAZMATS WITHOUT PROPER LABELS
Violation Citation: Hazardous materials have not been adequately labeled within 10 days & are now declared hazardous waste. HSC 25124(b)(3)(A) & 66262.34(f)
Activity: ACTIVE

UST:
UST Name: UNDERGROUND TANK 108659 T001
Last Update: 2012-11-02 14:17:38
Permit Number: 108659
Tank Type: UNKNOWN
Additional Id: 1

NUTRIEN AG SOLUTIONS-SAN MARCOS (Continued) **S106060673**

Capacity Gallons:	1000
UST Contents:	REGULAR UNLEADED
Other Content Info:	REGULAR UNLEADED
Reg Status:	REMOVED
Remove Close Date:	1989-01-30 00:00:00
Year Installed:	1973-01-01 00:00:00
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	90
UST Monitor Method:	NO MONITORING ALTERNATIVE SELECTED. VERIFY AND ENTER MONITORING ALTERNATIVE DURING INSPECTION.

Name:	DON HUBBARD CONTRACTING CO
Address:	1015 LINDA VISTA DR
City,State,Zip:	SAN MARCOS, CA 92078
Permit Number:	108659
Business Type:	6HK70
EPA Id Number:	CAL000219222
APN:	219-330-62-00
Last HMMD Inspection:	08/11/2011
Facility Telephone:	760-736-3241
Permit Status:	OPEN
Permit Expiration:	04/30/2013
Date Last Updated:	11/02/2012
Facility Owner:	DON HUBBARD
Facility Mailing Address:	1015 LINDA VISTA DR #A
Facility Mailing City:	SAN MARCOS
Facility Mailing State:	CA
Facility Mailing Zip:	92078
UST Owner:	CERTAINTEED CORP.
Handle Regulated Hazmat:	Y
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Y
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

Inventory Active Permits (not SQG Medical):

Permit Number:	108659
Update Date:	11/02/2012
Case Number:	68334-30-5
Name:	DIESEL FUEL
Other Information:	(1X1000+1X680) ON TRUCK/ /TRAILER
Material Waste:	Material
Hazardous Categories 1:	FIRE
Hazardous Categories 2:	CHRONIC

Permit Number:	108659
Update Date:	11/02/2012
Case Number:	68334-30-5
Name:	DIESEL FUEL
Other Information:	(1X1000+1X680) ON TRUCK/ /TRAILER
Material Waste:	Material
Hazardous Categories 1:	FIRE
Hazardous Categories 2:	CHRONIC

Permit Number:	108659

NUTRIEN AG SOLUTIONS-SAN MARCOS (Continued) **S106060673**

Update Date:	11/02/2012
Case Number:	8006-61-9
Name:	GASOLINE
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	FIRE
Hazardous Categories 2:	CHRONIC
Permit Number:	108659
Update Date:	11/02/2012
Case Number:	8002-05-9
Name:	MIXED OILS
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	FIRE
Hazardous Categories 2:	CHRONIC
Permit Number:	108659
Update Date:	11/02/2012
Case Number:	7782-44-7
Name:	OXYGEN/ACETYLENE
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	FIRE
Hazardous Categories 2:	PRESSURE RELEASE
Permit Number:	108659
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 132 AQUEOUS SOL'N WITH METALS
Other Information:	PARTS CLEANER (1)
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported
Permit Number:	108659
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 221 WASTE OIL & MIXED OIL
Other Information:	USED OIL
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported
Permit Number:	108659
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 888 USED OIL FILTERS
Other Information:	USED OIL FILTERS
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Violations Active Permits:

Permit Number:	108659
Update Date:	11/02/2012
Inspection Date:	02/09/2004

NUTRIEN AG SOLUTIONS-SAN MARCOS (Continued) **S106060673**

Violation Code: 6HV0202
Violation: WASTE CONTAINER W/O LABELS
Violation Citation: Hazardous waste containers &/or tanks are missing labels, accumulation date and/or are improperly labeled. CCR 66262.34(a)(2); 66262.34(a)(3) & 66262.34(f)
Activity: ACTIVE

Permit Number: 108659
Update Date: 11/02/2012
Inspection Date: 02/09/2004
Violation Code: 6HV0210
Violation: DID NOT CLEAN SPILL TO FLOOR
Violation Citation: Failure to clean up hazardous waste off of floor surface. 66262.10b
Activity: ACTIVE

Permit Number: 108659
Update Date: 11/02/2012
Inspection Date: 02/09/2004
Violation Code: 6HV0216
Violation: HAZMATS WITHOUT PROPER LABELS
Violation Citation: Hazardous materials have not been adequately labeled within 10 days & are now declared hazardous waste. HSC 25124(b)(3)(A) & 66262.34(f)
Activity: ACTIVE

UST:
UST Name: UNDERGROUND TANK 108659 T001
Last Update: 2012-11-02 14:17:38
Permit Number: 108659
Tank Type: UNKNOWN
Additional Id: 1
Capacity Gallons: 1000
UST Contents: REGULAR UNLEADED
Other Content Info: REGULAR UNLEADED
Reg Status: REMOVED
Remove Close Date: 1989-01-30 00:00:00
Year Installed: 1973-01-01 00:00:00
Pipe Type: Not reported
Delivery System: Not reported
Monitor Code: 90
UST Monitor Method: NO MONITORING ALTERNATIVE SELECTED. VERIFY AND ENTER MONITORING ALTERNATIVE DURING INSPECTION.

CERS HAZ WASTE:
Name: DON HUBBARD CONTRACTING CO
Address: 1015 LINDA VISTA DR
City,State,Zip: SAN MARCOS, CA 92078
Site ID: 26047
CERS ID: 10375603
CERS Description: Hazardous Waste Generator

CHMIRS:
Name: Not reported
Address: 1015 LINDA VISTA DR
City,State,Zip: SAN MARCOS, CA 92078
OES Incident Number: 5-5078

NUTRIEN AG SOLUTIONS-SAN MARCOS (Continued) **S106060673**

OES notification:	08/30/2005
OES Date:	Not reported
OES Time:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	Not reported
Waterway:	Storm Drain/ Earthen Creek
Spill Site:	Not reported
Cleanup By:	Contractor
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported
Date/Time:	Not reported
Year:	2005
Agency:	Western Farm Service
Incident Date:	8/30/200512:00:00 AM
Admin Agency:	San Diego County Health Services Dept.
Amount:	Not reported
Contained:	Yes
Site Type:	Industrial Plant
E Date:	Not reported
Substance:	Ammonium Nitrate AN20
Gallons:	5,900
Unknown:	0
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	20
Number of Injuries:	0
Number of Fatalities:	0
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported

NUTRIEN AG SOLUTIONS-SAN MARCOS (Continued) **S106060673**

#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	Substance was released due to the storage tank ruptured. Contractors and company personnel are on scene conducting clean-up. Earthen creek contained some water. Substance has been pumped from creek. The adjoining business was evacuated.

CERS:

Name:	DON HUBBARD CONTRACTING CO
Address:	1015 LINDA VISTA DR
City,State,Zip:	SAN MARCOS, CA 92078
Site ID:	26047
CERS ID:	10375603
CERS Description:	Chemical Storage Facilities

Evaluation:

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	05-08-2018
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Inspector: Kieu Bridget Inspection ID:5926347
Eval Division:	San Diego County Department of Env Health
Eval Program:	HW
Eval Source:	CERS,

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	06-13-2016
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Inspector: Calcagno Leonardo Inspection ID:5419164
Eval Division:	San Diego County Department of Env Health
Eval Program:	HMRRP
Eval Source:	CERS,

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	06-13-2016
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Inspector: Calcagno Leonardo Inspection ID:5419164
Eval Division:	San Diego County Department of Env Health
Eval Program:	HW
Eval Source:	CERS,

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	05-08-2018
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Inspector: Kieu Bridget Inspection ID:5926347
Eval Division:	San Diego County Department of Env Health
Eval Program:	HMRRP
Eval Source:	CERS,

NUTRIEN AG SOLUTIONS-SAN MARCOS (Continued) **S106060673**

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	12-14-2020
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Inspector: Halsey Christopher Inspection ID:6439350
Eval Division:	San Diego County Department of Env Health
Eval Program:	HMRRP
Eval Source:	CERS,

Affiliation:

Affiliation Type Desc:	Legal Owner
Entity Name:	Don Hubbard
Entity Title:	Not reported
Affiliation Address:	1015 LINDA VISTA DR. #A
Affiliation City:	SAN MARCOS
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	92069
Affiliation Phone:	(760) 736-3241,

Affiliation Type Desc:	CUPA District
Entity Name:	San Diego County Env Health Qlty
Entity Title:	Not reported
Affiliation Address:	PO Box 129261
Affiliation City:	San Diego
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92112-9261
Affiliation Phone:	(858) 505-6880,

Affiliation Type Desc:	Document Preparer
Entity Name:	DON HUBBARD, JR
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,

Affiliation Type Desc:	Environmental Contact
Entity Name:	DON HUBBARD, JR
Entity Title:	Not reported
Affiliation Address:	1015 LINDA VISTA DR #A
Affiliation City:	SAN MARCOS
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92078
Affiliation Phone:	,

Affiliation Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	Not reported
Affiliation Address:	1015 LINDA VISTA DR #A
Affiliation City:	SAN MARCOS
Affiliation State:	CA
Affiliation Country:	Not reported

NUTRIEN AG SOLUTIONS-SAN MARCOS (Continued) **S106060673**

Affiliation Zip:	92078
Affiliation Phone:	,
Affiliation Type Desc:	Identification Signer
Entity Name:	DON HUBBARD, JR
Entity Title:	President
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,
Affiliation Type Desc:	Operator
Entity Name:	Don Hubbard
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	(760) 736-3241,
Affiliation Type Desc:	Parent Corporation
Entity Name:	DON HUBBARD CONTRACTING CO
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,

F64 **SAN MARCOS INDIAN MOTORCYCLE LLC DBA NORTH COUNTY** **RCRA NonGen / NLR** **1026490804**
NNW **1040 LOS VALLECITOS BLVD STE 102** **CAL000455541**
< 1/8 **SAN MARCOS, CA 92069**
0.061 mi.
321 ft. **Site 1 of 3 in cluster F**

Relative: **Higher**

Actual: **547 ft.**

RCRA Listings:

Date Form Received by Agency:	20200709
Handler Name:	SAN MARCOS INDIAN MOTORCYCLE LLC DBA NORTH COUNTY INDIAN MOTORCYCLE
Handler Address:	1040 LOS VALLECITOS BLVD STE 102
Handler City,State,Zip:	SAN MARCOS, CA 92069
EPA ID:	CAL000455541
Contact Name:	HARTMAN LILLIBRIDGE
Contact Address:	1040 LOS VALLECITOS BLVD STE 102
Contact City,State,Zip:	SAN MARCOS, CA 92069
Contact Telephone:	760-566-3859
Contact Fax:	760-798-4031
Contact Email:	HARTMAN@BIGGSHD.COM
Contact Title:	Not reported
EPA Region:	09
Land Type:	Not reported
Federal Waste Generator Description:	Not a generator, verified
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported

SAN MARCOS INDIAN MOTORCYCLE LLC DBA NORTH COUNTY INDIAN MOT (Continued) **1026490804**

Accessibility:		Not reported
Active Site Indicator:		Not reported
State District Owner:		Not reported
State District:		Not reported
Mailing Address:		1040 LOS VALLECITOS BLVD STE 102
Mailing City,State,Zip:		SAN MARCOS, CA 92069
Owner Name:	SAN MARCOS INDIAN MOTORCYCLE LLC	
Owner Type:		Other
Operator Name:	HARTMAN LILLIBRIDGE	
Operator Type:		Other
Short-Term Generator Activity:		No
Importer Activity:		No
Mixed Waste Generator:		No
Transporter Activity:		No
Transfer Facility Activity:		No
Recycler Activity with Storage:		No
Small Quantity On-Site Burner Exemption:		No
Smelting Melting and Refining Furnace Exemption:		No
Underground Injection Control:		No
Off-Site Waste Receipt:		No
Universal Waste Indicator:		No
Universal Waste Destination Facility:		No
Federal Universal Waste:		No
Active Site Fed-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site Converter Treatment storage and Disposal Facility:		Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site State-Reg Handler:		---
Federal Facility Indicator:		Not reported
Hazardous Secondary Material Indicator:		N
Sub-Part K Indicator:		Not reported
Commercial TSD Indicator:		No
Treatment Storage and Disposal Type:		Not reported
2018 GPRA Permit Baseline:		Not on the Baseline
2018 GPRA Renewals Baseline:		Not on the Baseline
Permit Renewals Workload Universe:		Not reported
Permit Workload Universe:		Not reported
Permit Progress Universe:		Not reported
Post-Closure Workload Universe:		Not reported
Closure Workload Universe:		Not reported
202 GPRA Corrective Action Baseline:		No
Corrective Action Workload Universe:		No
Subject to Corrective Action Universe:		No
Non-TSDFs Where RCRA CA has Been Imposed Universe:		No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:		No
TSDFs Only Subject to CA under Discretionary Auth Universe:		No
Corrective Action Priority Ranking:		No NCAPS ranking
Environmental Control Indicator:		No
Institutional Control Indicator:		No
Human Exposure Controls Indicator:		N/A
Groundwater Controls Indicator:		N/A
Operating TSDF Universe:		Not reported
Full Enforcement Universe:		Not reported
Significant Non-Complier Universe:		No
Unaddressed Significant Non-Complier Universe:		No
Addressed Significant Non-Complier Universe:		No
Significant Non-Complier With a Compliance Schedule Universe:		No
Financial Assurance Required:		Not reported

SAN MARCOS INDIAN MOTORCYCLE LLC DBA NORTH COUNTY INDIAN MOT (Continued) **1026490804**

Handler Date of Last Change:	20200710
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name:	SAN MARCOS INDIAN MOTORCYCLE LLC
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	1040 LOS VALLECITOS BLVD STE 102
Owner/Operator City,State,Zip:	SAN MARCOS, CA 92069
Owner/Operator Telephone:	760-807-6447
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name:	HARTMAN LILLIBRIDGE
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	1040 LOS VALLECITOS BLVD STE 102
Owner/Operator City,State,Zip:	SAN MARCOS, CA 92069
Owner/Operator Telephone:	760-566-3859
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	20200709
Handler Name:	SAN MARCOS INDIAN MOTORCYCLE LLC DBA NORTH COUNTY INDIAN MOTORCYCLE
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

List of NAICS Codes and Descriptions:

NAICS Code:	441228
NAICS Description:	MOTORCYCLE, ATV, AND ALL OTHER MOTOR VEHICLE DEALERS

Facility Has Received Notices of Violations:

Violations:	No Violations Found

SAN MARCOS INDIAN MOTORCYCLE LLC DBA NORTH COUNTY INDIAN MOT (Continued) **1026490804**

Evaluation Action Summary:
Evaluations: No Evaluations Found

F65 **BIGGS HARLEY DAVIDSON** **San Diego Co. HMMD** **S121126804**
NNW **1040 LOS VALLECITOS BLVD** **CERS HAZ WASTE** **N/A**
< 1/8 **SAN MARCOS, CA 92069** **CERS TANKS**
0.061 mi. **HAZNET**
321 ft. **Site 2 of 3 in cluster F** **CERS**
HWTS

Relative:
Higher

Actual:
547 ft.

HMMD SAN DIEGO:

Name:	NORTH COUNTY INDIAN MOTORCYCLE
Address:	1040 LOS VALLECITOS BLVD 102
City,State,Zip:	SAN MARCOS, CA 92069-8003
Permit Number:	Not reported
Business Type:	Not reported
EPA Id Number:	CAL000455541
APN:	Not reported
Last HMMD Inspection:	Not reported
Facility Telephone:	760-481-7300
Permit Status:	Permit Renewed
Permit Expiration:	Not reported
Date Last Updated:	04/08/2022
Facility Owner:	Not reported
Facility Mailing Address:	1040 Los Vallecitos Blvd Ste 102, San Marcos, CA 92069
Facility Mailing City:	Not reported
Facility Mailing State:	Not reported
Facility Mailing Zip:	Not reported
UST Owner:	N
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Y
Treat Haz Waste:	N
Generate Medical Waste:	Not reported

Inspection Violation:

Record ID:	DEH2016-HUPFP-002363
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-002363
Program Element:	Hazardous Waste Generator
Inspection Type:	Routine
Inspection Number:	5853430
Return To Compliance Date:	2020-07-09T00:00:00.000
Nov:	No
Violation Classification:	Class II
Underground Storage Tank Id:	Not reported
Container/Tank Id:	Not reported
Last Update:	2022-04-08T01:56:26.000
Inspection Date:	2018-01-19T00:00:00.000
Violation Code:	3010002 Failed to obtain &/or maintain an active EPA ID Number. 22 CCR 66262.12(a)

Record ID:	DEH2016-HUPFP-002363
Permit Status:	Permit Renewed
Active Permit:	Y

BIGGS HARLEY DAVIDSON (Continued) **S121126804**

Facility Id Number:	37-000-002363
Program Element:	Hazardous Waste Generator
Inspection Type:	Routine
Inspection Number:	5853430
Return To Compliance Date:	2020-06-30T00:00:00.000
Nov:	No
Violation Classification:	Minor
Underground Storage Tank Id:	Not reported
Container/Tank Id:	Not reported
Last Update:	2022-04-08T01:56:26.000
Inspection Date:	2018-01-19T00:00:00.000
Violation Code:	3010010 Failed to maintain copies of Uniform Hazardous Waste Manifest, consolidated manifest, or Bills of Lading for 3 years. HSC 25160.2(b)(3), 25185(a)(4); 22 CCR 66262.40(a), 66262.23(a)(3)

Record ID:	DEH2016-HUPFP-002363
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-002363
Program Element:	Hazardous Materials Release Response Plans
Inspection Type:	Routine
Inspection Number:	5446775
Return To Compliance Date:	2016-02-19T00:00:00.000
Nov:	No
Violation Classification:	Class II
Underground Storage Tank Id:	Not reported
Container/Tank Id:	Not reported
Last Update:	2022-04-08T01:56:26.000
Inspection Date:	2016-02-19T09:48:47.000
Violation Code:	1010002 HMBP not submitted to the CUPA in CERS. HSC 25508(a)(1)(A); HSC 25404(e)(4); 27 CCR 15188(a), (d)

Record ID:	DEH2016-HUPFP-002363
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-002363
Program Element:	Hazardous Materials Release Response Plans
Inspection Type:	Routine
Inspection Number:	5853430
Return To Compliance Date:	2020-07-22T00:00:00.000
Nov:	No
Violation Classification:	Class II
Underground Storage Tank Id:	Not reported
Container/Tank Id:	Not reported
Last Update:	2022-04-08T01:56:26.000
Inspection Date:	2018-01-19T00:00:00.000
Violation Code:	1020002 Initial &/or annual employee training not conducted in safety procedures for a hazardous material release or threatened release &/or employee training records not available or not maintained for 3 years. HSC 25505(a)(4); 19 CCR 2659(b)

Record ID:	DEH2016-HUPFP-002363
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-002363
Program Element:	Hazardous Materials Release Response Plans
Inspection Type:	Routine

BIGGS HARLEY DAVIDSON (Continued) **S121126804**

Inspection Number:	5446775
Return To Compliance Date:	2016-02-19T00:00:00.000
Nov:	No
Violation Classification:	Class II
Underground Storage Tank Id:	Not reported
Container/Tank Id:	Not reported
Last Update:	2022-04-08T01:56:26.000
Inspection Date:	2016-02-19T09:48:47.000
Violation Code:	1010001 HMBP not established/ implemented. HSC 25505(a) and 25507(a)

Record ID:	DEH2016-HUPFP-002363
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-002363
Program Element:	Hazardous Materials Release Response Plans
Inspection Type:	Routine
Inspection Number:	5853430
Return To Compliance Date:	2018-01-19T00:00:00.000
Nov:	No
Violation Classification:	Class II
Underground Storage Tank Id:	Not reported
Container/Tank Id:	Not reported
Last Update:	2022-04-08T01:56:26.000
Inspection Date:	2018-01-19T00:00:00.000
Violation Code:	1010004 Chemical inventory incomplete or not submitted in CERS. HSC 25505(a)(1); 25507(a); 25508.1(a-b); 19 CCR 2654 (a) or (d)

Waste and Materials:

Record ID:	DEH2016-HUPFP-002363
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2021-HWAST-0261809
Trade Secret:	N
Hazardous Material Type:	Not reported
Last Updated:	2022-04-02T02:32:21.000
Chemical Name:	Parts Washer Waste
Common Name:	Parts Washer Waste
Case Number:	Not reported

Record ID:	DEH2016-HUPFP-002363
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2021-HWAST-0261810
Trade Secret:	N
Hazardous Material Type:	Not reported
Last Updated:	2022-04-02T02:32:21.000
Chemical Name:	Used Paraffinic Petroleum Distillates
Common Name:	Used Lubricating Oils
Case Number:	Not reported

Record ID:	DEH2016-HUPFP-002363
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2022-HCHEM-0326643
Trade Secret:	N
Hazardous Material Type:	Mixture
Last Updated:	2022-04-08T01:56:29.000

BIGGS HARLEY DAVIDSON (Continued) **S121126804**

Chemical Name: Paraffinic Petroleum Distillates
Common Name: Lubricating Oils
Case Number: 68476-77-7

Record ID: DEH2016-HUPFP-002363
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2022-HWAST-0293549
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2022-04-08T01:56:29.000
Chemical Name: Parts Washer Waste
Common Name: Parts Washer Waste
Case Number: Not reported

Record ID: DEH2016-HUPFP-002363
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2022-HWAST-0293550
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2022-04-08T01:56:29.000
Chemical Name: Used Paraffinic Petroleum Distillates
Common Name: Used Lubricating Oils
Case Number: Not reported

Record ID: DEH2016-HUPFP-002363
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2016-HWAST-0074604
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2017-05-20T02:30:32.000
Chemical Name: PARTS WASHER
Common Name: PARTS WASHER
Case Number: Not reported

Record ID: DEH2016-HUPFP-002363
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2016-HWAST-0074603
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2017-05-20T02:30:32.000
Chemical Name: Lubricating oils, used
Common Name: Used lubricating oils
Case Number: Not reported

Record ID: DEH2016-HUPFP-002363
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HCHEM-0270676
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2020-07-30T02:30:49.000
Chemical Name: Paraffinic Petroleum Distillates
Common Name: Lubricating Oils

BIGGS HARLEY DAVIDSON (Continued) **S121126804**

Case Number: 68476-77-7

Record ID: DEH2016-HUPFP-002363
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HWAST-0240758
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2020-07-30T02:30:49.000
Chemical Name: Parts Washer Waste
Common Name: Parts Washer Waste
Case Number: Not reported

Record ID: DEH2016-HUPFP-002363
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HWAST-0240759
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2020-07-30T02:30:49.000
Chemical Name: Used Paraffinic Petroleum Distillates
Common Name: Used Lubricating Oils
Case Number: Not reported

Record ID: DEH2016-HUPFP-002363
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2021-HCHEM-0292766
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2022-04-02T02:32:21.000
Chemical Name: Paraffinic Petroleum Distillates
Common Name: Lubricating Oils
Case Number: 68476-77-7

Record ID: DEH2016-HUPFP-002363
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0167994
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2019-04-03T02:36:35.000
Chemical Name: Lubricating oils
Common Name: lubricating oils
Case Number: 68476-77-7

Record ID: DEH2016-HUPFP-002363
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HWAST-0142460
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2019-04-03T02:36:35.000
Chemical Name: PARTS WASHER
Common Name: PARTS WASHER
Case Number: Not reported

BIGGS HARLEY DAVIDSON (Continued) **S121126804**

Record ID: DEH2016-HUPFP-002363
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HWAST-0142461
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2019-04-03T02:36:35.000
Chemical Name: Lubricating oils, used
Common Name: Used lubricating oils
Case Number: Not reported

Record ID: DEH2016-HUPFP-002363
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HWAST-0243911
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2021-01-23T01:56:21.000
Chemical Name: Parts Washer Waste
Common Name: Parts Washer Waste
Case Number: Not reported

Record ID: DEH2016-HUPFP-002363
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HCHEM-0275378
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2021-01-23T01:56:21.000
Chemical Name: Paraffinic Petroleum Distillates
Common Name: Lubricating Oils
Case Number: 68476-77-7

Record ID: DEH2016-HUPFP-002363
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HWAST-0243912
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2021-01-23T01:56:21.000
Chemical Name: Used Paraffinic Petroleum Distillates
Common Name: Used Lubricating Oils
Case Number: Not reported

CERS HAZ WASTE:
Name: BIGGS HARLEY DAVIDSON
Address: 1040 LOS VALLECITOS BLVD
City,State,Zip: SAN MARCOS, CA 92069
Site ID: 12342
CERS ID: 10376494
CERS Description: Hazardous Waste Generator

Name: NORTH COUNTY INDIAN MOTORCYCLE
Address: 1040 LOS VALLECITOS BLVD STE 102
City,State,Zip: SAN MARCOS, CA 92069
Site ID: 358558

BIGGS HARLEY DAVIDSON (Continued) **S121126804**

CERS ID: 10641187
CERS Description: Hazardous Waste Generator

CERS TANKS:
Name: BIGGS HARLEY DAVIDSON
Address: 1040 LOS VALLECITOS BLVD
City,State,Zip: SAN MARCOS, CA 92069
Site ID: 12342
CERS ID: 10376494
CERS Description: Aboveground Petroleum Storage

HAZNET:
Name: SAN MARCOS INDIAN MOTORCYCLE LLC DBA NORTH COUNTY INDIAN MOTORCYCLE
Address: 1040 LOS VALLECITOS BLVD STE 102
Address 2: Not reported
City,State,Zip: SAN MARCOS, CA 92069
Contact: HARTMAN LILLIBRIDGE
Telephone: 7605663859
Mailing Name: Not reported
Mailing Address: 1040 LOS VALLECITOS BLVD STE 102

Year: 2021
Gepaid: CAL000455541
TSD EPA ID: CAT080013352
CA Waste Code: 221 - Waste oil and mixed oil
Disposal Method: H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Tons: 1.10508

Year: 2020
Gepaid: CAL000455541
TSD EPA ID: CAT080013352
CA Waste Code: 221 - Waste oil and mixed oil
Disposal Method: H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Tons: 0.38

CERS:
Name: BIGGS HARLEY DAVIDSON
Address: 1040 LOS VALLECITOS BLVD
City,State,Zip: SAN MARCOS, CA 92069
Site ID: 12342
CERS ID: 10376494
CERS Description: Chemical Storage Facilities

Violations:
Site ID: 12342
Site Name: BIGGS HARLEY DAVIDSON
Violation Date: 08-31-2021
Citation: HSC 6.5 Multiple - California Health and Safety Code, Chapter 6.5, Section(s) Multiple
Violation Description: Hazardous Waste Generator Program - Operations/Maintenance - General
Violation Notes: Returned to compliance on 09/21/2021. Inspection Sequence ID:6798013;Violation:HMD0152 Failed to report &/or update the required inventory information for hazardous waste(s) generated at the facility

BIGGS HARLEY DAVIDSON (Continued) **S121126804**

	in CERS. SDCC 68.904(a)(2)
Violation Division:	San Diego County Department of Env Health
Violation Program:	HW
Violation Source:	CERS,
Site ID:	12342
Site Name:	BIGGS HARLEY DAVIDSON
Violation Date:	08-29-2016
Citation:	HSC 6.95 25505(a)(4) - California Health and Safety Code, Chapter 6.95, Section(s) 25505(a)(4)
Violation Description:	Failure to provide initial and annual training to all employees in safety procedures in the event of a release or threatened release of a hazardous material or failure to document and maintain training records for a minimum of three years.
Violation Notes:	Returned to compliance on 09/15/2016.
Violation Division:	San Diego County Department of Env Health
Violation Program:	HMRRP
Violation Source:	CERS,
Site ID:	12342
Site Name:	BIGGS HARLEY DAVIDSON
Violation Date:	08-29-2016
Citation:	HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description:	Failure to complete and electronically submit hazardous material inventory information for all reportable hazardous materials on site at or above reportable quantities.
Violation Notes:	Returned to compliance on 09/08/2016.
Violation Division:	San Diego County Department of Env Health
Violation Program:	HMRRP
Violation Source:	CERS,
Site ID:	12342
Site Name:	BIGGS HARLEY DAVIDSON
Violation Date:	05-09-2014
Citation:	HSC 6.67 Multiple - California Health and Safety Code, Chapter 6.67, Section(s) Multiple
Violation Description:	Haz Waste Generator Program - Administration/Documentation - General
Violation Notes:	Returned to compliance on 06/05/2014. Inspection Sequence ID:4091434;Violation:HMD0138 Manifest signed by the Treatment, Storage, Disposal Facility (TSDF) not available for inspection. 66262.40(a).
Violation Division:	San Diego County Department of Env Health
Violation Program:	HW
Violation Source:	CERS,
Site ID:	12342
Site Name:	BIGGS HARLEY DAVIDSON
Violation Date:	05-09-2014
Citation:	22 CCR 12 66262.40(a) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.40(a)
Violation Description:	Failure to maintain uniform hazardous waste manifest, consolidated manifest, or bills of lading copies for three years.
Violation Notes:	Returned to compliance on 06/05/2014. Inspection Sequence ID:4091434
Violation Division:	San Diego County Department of Env Health
Violation Program:	HW
Violation Source:	CERS,

BIGGS HARLEY DAVIDSON (Continued) **S121126804**

Site ID:	12342
Site Name:	BIGGS HARLEY DAVIDSON
Violation Date:	05-09-2014
Citation:	HSC 6.95 25504(c) - California Health and Safety Code, Chapter 6.95, Section(s) 25504(c)
Violation Description:	Failure to include provisions in the business plan to ensure that appropriate personnel receive initial and annual training.
Violation Notes:	Returned to compliance on 06/05/2014. Inspection Sequence ID:4091434
Violation Division:	San Diego County Department of Env Health
Violation Program:	HMRRP
Violation Source:	CERS,

Site ID:	12342
Site Name:	BIGGS HARLEY DAVIDSON
Violation Date:	08-29-2016
Citation:	HSC 6.95 25508.1(a)-(f) - California Health and Safety Code, Chapter 6.95, Section(s) 25508.1(a)-(f)
Violation Description:	Failure to electronically update business plan within 30 days of any one of the following events: A 100 percent or more increase in the quantity of a previously disclosed material. Any handling of a previously undisclosed hazardous materials at or above reportable quantities. A change of business address, business ownership, or business name. A substantial change in the handler's operations that requires modification to any portion of the business plan.
Violation Notes:	Returned to compliance on 09/08/2016.
Violation Division:	San Diego County Department of Env Health
Violation Program:	HMRRP
Violation Source:	CERS,

Site ID:	12342
Site Name:	BIGGS HARLEY DAVIDSON
Violation Date:	08-29-2016
Citation:	22 CCR 12 66262.40(a) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.40(a)
Violation Description:	Failure to keep a copy of each properly signed manifest for at least three years from the date the waste was accepted by the initial transporter. The manifest signed at the time the waste was accepted for transport shall be kept until receiving a signed copy from the designated facility which received the waste.
Violation Notes:	Returned to compliance on 09/15/2016.
Violation Division:	San Diego County Department of Env Health
Violation Program:	HW
Violation Source:	CERS,

Evaluation:

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	08-29-2016
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Inspector: Calcagno Leonardo Inspection ID:5433014
Eval Division:	San Diego County Department of Env Health
Eval Program:	HW
Eval Source:	CERS,

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	08-31-2021
Violations Found:	Yes

BIGGS HARLEY DAVIDSON (Continued) **S121126804**

Eval Type: Routine done by local agency
Eval Notes: Inspector: Shaker Mirna Inspection ID:6798013
Eval Division: San Diego County Department of Env Health
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 09-07-2018
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Inspector: Kieu Bridget Inspection ID:5986766
Eval Division: San Diego County Department of Env Health
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 05-09-2014
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Inspector: Beacon Ellen Inspection ID:4091434
Eval Division: San Diego County Department of Env Health
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 09-07-2018
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Inspector: Kieu Bridget Inspection ID:5986766
Eval Division: San Diego County Department of Env Health
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 05-09-2014
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Inspector: Beacon Ellen Inspection ID:4091434
Eval Division: San Diego County Department of Env Health
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 08-29-2016
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Inspector: Calcagno Leonardo Inspection ID:5433014
Eval Division: San Diego County Department of Env Health
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 08-31-2021
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Inspector: Shaker Mirna Inspection ID:6798013
Eval Division: San Diego County Department of Env Health

BIGGS HARLEY DAVIDSON (Continued) **S121126804**

Eval Program: HMRRP
Eval Source: CERS,

Affiliation:
Affiliation Type Desc: Document Preparer
Entity Name: Kathy Datuin, KPA
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Affiliation Type Desc: Identification Signer
Entity Name: Hartman Lillibridge
Entity Title: Office Manager
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Affiliation Type Desc: CUPA District
Entity Name: San Diego County Env Health Qlty
Entity Title: Not reported
Affiliation Address: PO Box 129261
Affiliation City: San Diego
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 92112-9261
Affiliation Phone: (858) 505-6880,

Affiliation Type Desc: Legal Owner
Entity Name: Richard Lillibridtge
Entity Title: Not reported
Affiliation Address: 1040 Los Vallecitos Blvd #113
Affiliation City: San Marcos
Affiliation State: CA
Affiliation Country: United States
Affiliation Zip: 92069
Affiliation Phone: (760) 481-7300,

Affiliation Type Desc: Environmental Contact
Entity Name: Kieran O'Muicheirtaigh
Entity Title: Not reported
Affiliation Address: 1040 Los Vallecitos Blvd #113
Affiliation City: San Marcos
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 92069
Affiliation Phone: ,

Affiliation Type Desc: Facility Mailing Address
Entity Name: Mailing Address
Entity Title: Not reported

BIGGS HARLEY DAVIDSON (Continued) **S121126804**

Affiliation Address: 1040 Los Vallecitos Blvd #113
Affiliation City: San Marcos
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 92069
Affiliation Phone: ,

Affiliation Type Desc: Operator
Entity Name: AMERICAN MOTOR HEAD, INC
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: (760) 481-7300,

Affiliation Type Desc: Parent Corporation
Entity Name: BIGGS HARLEY DAVIDSON
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Name: NORTH COUNTY INDIAN MOTORCYCLE
Address: 1040 LOS VALLECITOS BLVD STE 102
City,State,Zip: SAN MARCOS, CA 92069
Site ID: 358558
CERS ID: 10641187
CERS Description: Chemical Storage Facilities

Violations:
Site ID: 358558
Site Name: North County Indian Motorcycle
Violation Date: 02-19-2016
Citation: HSC 6.95 25508(d) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(d)
Violation Description: Failure to complete and/or electronically submit a business plan when storing/handling a hazardous material at or above reportable quantities.
Violation Notes: Returned to compliance on 02/19/2016. Inspection Sequence ID:5446775
Violation Division: San Diego County Department of Env Health
Violation Program: HMRRP
Violation Source: CERS,

Site ID: 358558
Site Name: North County Indian Motorcycle
Violation Date: 01-19-2018
Citation: HSC 6.95 25505(a)(4) - California Health and Safety Code, Chapter 6.95, Section(s) 25505(a)(4)
Violation Description: Failure to provide initial and annual training to all employees in safety procedures in the event of a release or threatened release of a hazardous material or failure to document and maintain training records for a minimum of three years.

BIGGS HARLEY DAVIDSON (Continued) **S121126804**

Violation Notes: Returned to compliance on 07/22/2020. Inspection Sequence ID:5853430
Violation Division: San Diego County Department of Env Health
Violation Program: HMRRP
Violation Source: CERS,

Site ID: 358558
Site Name: North County Indian Motorcycle
Violation Date: 01-19-2018
Citation: 22 CCR 12 66262.40(a) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.40(a)
Violation Description: Failure to keep a copy of each properly signed manifest for at least three years from the date the waste was accepted by the initial transporter. The manifest signed at the time the waste was accepted for transport shall be kept until receiving a signed copy from the designated facility which received the waste.
Violation Notes: Returned to compliance on 06/30/2020. Inspection Sequence ID:5853430
Violation Division: San Diego County Department of Env Health
Violation Program: HW
Violation Source: CERS,

Site ID: 358558
Site Name: North County Indian Motorcycle
Violation Date: 02-19-2016
Citation: HSC 6.95 25507 - California Health and Safety Code, Chapter 6.95, Section(s) 25507
Violation Description: Failure to adequately establish and implement a business plan when storing/handling a hazardous material at or above reportable quantities.
Violation Notes: Returned to compliance on 02/19/2016. Inspection Sequence ID:5446775
Violation Division: San Diego County Department of Env Health
Violation Program: HMRRP
Violation Source: CERS,

Site ID: 358558
Site Name: North County Indian Motorcycle
Violation Date: 01-19-2018
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description: Failure to complete and electronically submit hazardous material inventory information for all reportable hazardous materials on site at or above reportable quantities.
Violation Notes: Returned to compliance on 01/19/2018. Inspection Sequence ID:5853430
Violation Division: San Diego County Department of Env Health
Violation Program: HMRRP
Violation Source: CERS,

Site ID: 358558
Site Name: North County Indian Motorcycle
Violation Date: 01-19-2018
Citation: 22 CCR 12 66262.12 - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.12
Violation Description: Failure to obtain an Identification Number prior to treating, storing, disposing of, transporting or offering for transportation any hazardous waste.
Violation Notes: Returned to compliance on 07/09/2020. Inspection Sequence ID:5853430
Violation Division: San Diego County Department of Env Health
Violation Program: HW

BIGGS HARLEY DAVIDSON (Continued) **S121126804**

Violation Source: CERS,

Evaluation:

Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-19-2018
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Inspector: Zmily Zanalee Inspection ID:5853430
Eval Division: San Diego County Department of Env Health
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 02-19-2016
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Inspector: Calcagno Leonardo Inspection ID:5446775
Eval Division: San Diego County Department of Env Health
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 02-19-2016
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Inspector: Calcagno Leonardo Inspection ID:5446775
Eval Division: San Diego County Department of Env Health
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-19-2018
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Inspector: Zmily Zanalee Inspection ID:5853430
Eval Division: San Diego County Department of Env Health
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 02-19-2016
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Inspector: Calcagno Leonardo Inspection ID:5446775
Eval Division: San Diego County Department of Env Health
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-22-2021
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Inspector: Shaker Mirna Inspection ID:6362116
Eval Division: San Diego County Department of Env Health
Eval Program: HMRRP
Eval Source: CERS,

BIGGS HARLEY DAVIDSON (Continued) **S121126804**

Affiliation:

Affiliation Type Desc:	Environmental Contact
Entity Name:	NORMA ZDON
Entity Title:	Not reported
Affiliation Address:	1040 Los Vallecitos Blvd Ste 102
Affiliation City:	San Marcos
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92069
Affiliation Phone:	,

Affiliation Type Desc:	Identification Signer
Entity Name:	Norma Zdon
Entity Title:	SERVICE MANAGER
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,

Affiliation Type Desc:	Parent Corporation
Entity Name:	NORTH COUNTY INDIAN MOTORCYCLE
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,

Affiliation Type Desc:	Document Preparer
Entity Name:	Kathy Datuin, KPA
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,

Affiliation Type Desc:	Legal Owner
Entity Name:	San Marcos Indian Motorcycle LLC
Entity Title:	Not reported
Affiliation Address:	1040 Los Vallecitos Blvd Ste 102
Affiliation City:	San Marcos
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	92069
Affiliation Phone:	(760) 807-6447,

Affiliation Type Desc:	Operator
Entity Name:	Hartman Lillibridge
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported

BIGGS HARLEY DAVIDSON (Continued) **S121126804**

Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: (760) 798-4030,

Affiliation Type Desc: CUPA District
Entity Name: San Diego County Env Health Qlty
Entity Title: Not reported
Affiliation Address: PO Box 129261
Affiliation City: San Diego
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 92112-9261
Affiliation Phone: (858) 505-6880,

Affiliation Type Desc: Facility Mailing Address
Entity Name: Mailing Address
Entity Title: Not reported
Affiliation Address: 1040 Los Vallecitos Blvd Ste 102
Affiliation City: San Marcos
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 92069
Affiliation Phone: ,

HWTS:
Name: SAN MARCOS INDIAN MOTORCYCLE LLC DBA NORTH COUNTY INDIAN MOTORCYCLE
Address: 1040 LOS VALLECITOS BLVD STE 102
Address 2: Not reported
City,State,Zip: SAN MARCOS, CA 92069
EPA ID: CAL000455541
Inactive Date: 06/30/2021
Create Date: 07/09/2020
Last Act Date: Not reported
Mailing Name: Not reported
Mailing Address: 1040 LOS VALLECITOS BLVD STE 102
Mailing Address 2: Not reported
Mailing City,State,Zip: SAN MARCOS, CA 92069
Owner Name: SAN MARCOS INDIAN MOTORCYCLE LLC
Owner Address: 1040 LOS VALLECITOS BLVD STE 102
Owner Address 2: Not reported
Owner City,State,Zip: SAN MARCOS, CA 92069
Contact Name: HARTMAN LILLIBRIDGE
Contact Address: 1040 LOS VALLECITOS BLVD STE 102
Contact Address 2: Not reported
City,State,Zip: SAN MARCOS, CA 92069
Facility Status: Inactive
Facility Type: PERMANENT
Category: STATE
Latitude: 33.14266998
Longitude: -117.18590604

NAICS:
EPA ID: CAL000455541
Create Date: 2020-07-09 10:53:18.490
NAICS Code: 441228
NAICS Description: Motorcycle, ATV, and All Other Motor Vehicle Dealers

BIGGS HARLEY DAVIDSON (Continued) **S121126804**

Issued EPA ID Date:	2020-07-09 10:53:18.44300
Inactive Date:	Not reported
Facility Name:	SAN MARCOS INDIAN MOTORCYCLE LLC DBA NORTH COUNTY INDIAN MOTORCYCLE
Facility Address:	1040 LOS VALLECITOS BLVD STE 102
Facility Address 2:	Not reported
Facility City:	SAN MARCOS
Facility County:	Not reported
Facility State:	CA
Facility Zip:	92069

F66 **AMERICAN MOTORHEAD INC DBA BIGGS HARLEY DAVIDSON** **RCRA NonGen / NLR** **1024828091**
NNW **1040 LOS VALLECITOS BLVD STE 113** **CAL000359237**
< 1/8 **SAN MARCOS, CA 92069**
0.061 mi.
321 ft. **Site 3 of 3 in cluster F**

Relative: **Higher**

Actual: **547 ft.**

RCRA Listings:

Date Form Received by Agency:	20101210
Handler Name:	AMERICAN MOTORHEAD INC DBA BIGGS HARLEY DAVIDSON
Handler Address:	1040 LOS VALLECITOS BLVD STE 113
Handler City,State,Zip:	SAN MARCOS, CA 92069-8007
EPA ID:	CAL000359237
Contact Name:	HARTMAN LILLIBRIDGE/ACCOUNTANT
Contact Address:	1040 LOS VALLECITOS BLVD STE 113
Contact City,State,Zip:	SAN MARCOS, CA 92069
Contact Telephone:	760-481-7300
Contact Fax:	760-481-7302
Contact Email:	HARTMAN@BIGGSHD.COM
Contact Title:	Not reported
EPA Region:	09
Land Type:	Not reported
Federal Waste Generator Description:	Not a generator, verified
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Handler Activities
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	1040 LOS VALLECITOS BLVD STE 113
Mailing City,State,Zip:	SAN MARCOS, CA 92069-8007
Owner Name:	AMERICAN MOTORHEAD INC
Owner Type:	Other
Operator Name:	HARTMAN LILLIBRIDGE/ACCOUNTANT
Operator Type:	Other
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	Yes
Universal Waste Destination Facility:	Yes
Federal Universal Waste:	No

AMERICAN MOTORHEAD INC DBA BIGGS HARLEY DAVIDSON (Continued) **1024828091**

Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20180905
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Operator
Owner/Operator Name: HARTMAN LILLIBRIDGE/ACCOUNTANT	
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	1040 LOS VALLECITOS BLVD STE 113
Owner/Operator City,State,Zip:	SAN MARCOS, CA 92069
Owner/Operator Telephone:	760-481-7300
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

AMERICAN MOTORHEAD INC DBA BIGGS HARLEY DAVIDSON (Continued) **1024828091**

Owner/Operator Indicator: Owner
Owner/Operator Name: AMERICAN MOTORHEAD INC
Legal Status: Other
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: 1040 LOS VALLECITOS BLVD STE 113
Owner/Operator City,State,Zip: SAN MARCOS, CA 92069-8007
Owner/Operator Telephone: 760-481-7300
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:
Receive Date: 20101210
Handler Name: AMERICAN MOTORHEAD INC DBA BIGGS HARLEY DAVIDSON
Federal Waste Generator Description: Not a generator, verified
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Code: 56299
NAICS Description: ALL OTHER WASTE MANAGEMENT SERVICES

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

G67 **DELONG SPORTSWEAR** **RCRA-SQG** **1000338729**
NNW **1050 LOS VALLECITOS BLVD** **FINDS** **CAD982020034**
< 1/8 **SAN MARCOS, CA 92069** **ECHO**
0.061 mi.
322 ft. **Site 1 of 2 in cluster G**

Relative:
Higher

Actual:
547 ft.

RCRA Listings:
Date Form Received by Agency: 19870803
Handler Name: DELONG SPORTSWEAR
Handler Address: 1050 LOS VALLECITOS BLVD
Handler City,State,Zip: SAN MARCOS, CA 92069
EPA ID: CAD982020034
Contact Name: ENVIRONMENTAL MANAGER
Contact Address: 1050 LOS VALLECITOS BLVD
Contact City,State,Zip: SAN MARCOS, CA 92069
Contact Telephone: 619-744-3400
Contact Fax: Not reported
Contact Email: Not reported
Contact Title: Not reported

DELONG SPORTSWEAR (Continued) **1000338729**

EPA Region:		09
Land Type:		Not reported
Federal Waste Generator Description:		Small Quantity Generator
Non-Notifier:		Not reported
Biennial Report Cycle:		Not reported
Accessibility:		Not reported
Active Site Indicator:		Handler Activities
State District Owner:		CA
State District:		4
Mailing Address:		LOS VALLECITOS BLVD
Mailing City,State,Zip:		SAN MARCOS, CA 92069
Owner Name:	SPANJIAN PROPERTIES	
Owner Type:		Private
Operator Name:	NOT REQUIRED	
Operator Type:		Private
Short-Term Generator Activity:		No
Importer Activity:		No
Mixed Waste Generator:		No
Transporter Activity:		No
Transfer Facility Activity:		No
Recycler Activity with Storage:		No
Small Quantity On-Site Burner Exemption:		No
Smelting Melting and Refining Furnace Exemption:		No
Underground Injection Control:		No
Off-Site Waste Receipt:		No
Universal Waste Indicator:		No
Universal Waste Destination Facility:		No
Federal Universal Waste:		No
Active Site Fed-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site Converter Treatment storage and Disposal Facility:		Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site State-Reg Handler:		---
Federal Facility Indicator:		Not reported
Hazardous Secondary Material Indicator:		NN
Sub-Part K Indicator:		Not reported
Commercial TSD Indicator:		No
Treatment Storage and Disposal Type:		Not reported
2018 GPRA Permit Baseline:		Not on the Baseline
2018 GPRA Renewals Baseline:		Not on the Baseline
Permit Renewals Workload Universe:		Not reported
Permit Workload Universe:		Not reported
Permit Progress Universe:		Not reported
Post-Closure Workload Universe:		Not reported
Closure Workload Universe:		Not reported
202 GPRA Corrective Action Baseline:		No
Corrective Action Workload Universe:		No
Subject to Corrective Action Universe:		No
Non-TSDFs Where RCRA CA has Been Imposed Universe:		No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:		No
TSDFs Only Subject to CA under Discretionary Auth Universe:		No
Corrective Action Priority Ranking:		No NCAPS ranking
Environmental Control Indicator:		No
Institutional Control Indicator:		No
Human Exposure Controls Indicator:		N/A
Groundwater Controls Indicator:		N/A
Operating TSDF Universe:		Not reported
Full Enforcement Universe:		Not reported

DELONG SPORTSWEAR (Continued) **1000338729**

Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20000915
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	Not reported
Manifest Broker:	Not reported
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name: SPANJIAN PROPERTIES	
Legal Status:	Private
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	NOT REQUIRED
Owner/Operator City,State,Zip:	NOT REQUIRED, ME 99999
Owner/Operator Telephone:	415-555-1212
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name: NOT REQUIRED	
Legal Status:	Private
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	NOT REQUIRED
Owner/Operator City,State,Zip:	NOT REQUIRED, ME 99999
Owner/Operator Telephone:	415-555-1212
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	19870803
Handler Name: DELONG SPORTSWEAR	
Federal Waste Generator Description:	Small Quantity Generator
State District Owner:	CA
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

List of NAICS Codes and Descriptions:

NAICS Codes:	No NAICS Codes Found

DELONG SPORTSWEAR (Continued) **1000338729**

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

FINDS:
Registry ID: 110002778147

Click Here for FRS Facility Detail Report:

Environmental Interest/Information System:
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:
Envid: 1000338729
Registry ID: 110002778147
DFR URL: http://echo.epa.gov/detailed-facility-report?fid=110002778147
Name: DELONG SPORTSWEAR
Address: 1050 LOS VALLECITOS BLVD
City,State,Zip: SAN MARCOS, CA 92069

G68 **SPANJIAN/ DUFOUR** **SAN DIEGO CO. SAM** **S105692328**
NNW **1050 LOS VALLECITOS** **CPS-SLIC** **N/A**
< 1/8 **SAN MARCOS, CA 92069** **CERS**
0.061 mi.
322 ft. **Site 2 of 2 in cluster G**

Relative: Higher
Actual: 547 ft.

SAN DIEGO CO. SAM:
Name: SPANJIAN BLDG
Address: 1050 LOS VALLECITOS BL
City,State,Zip: SAN MARCOS, CA 920691410
Case Number: H29237-001
Agency: CA Regional Water Quality Control Board
Funding: **Non Billable**
Facility Type: Soils Only
Facility Status: Remedial Action (Clean-Up)
Date: 7/10/1989
Date Began: 7/10/1989

SLIC REG 9:
Name: SPANJIAN/ DUFOUR
Address: 1050 LOS VALLECITOS
City: SAN MARCOS
Region: 9
Facilty Type: Cleanup And Abatement Order
Status: Dead
Sort Code: 20-0020.05

SPANJIAN/ DUFOUR (Continued) **S105692328**

Waste Discharger Id:	Not reported
Local Case Num:	Not reported
Responsible Party:	SPANJIAN
Category:	ENFORCEMENT
Class:	SLIC
Order Number:	92-82
File Number:	1
Date Entered:	09/1981
End Date:	11/1989
Archive Box #:	909
Archive Box Storage:	3-1-12R
Archive Box Storage Location:	Not reported
Remarks:	Not reported

Name:	SPANJIAN/ DUFOUR
Address:	1050 LOS VALLECITOS
City:	SAN MARCOS
Region:	9
Facilty Type:	Cleanup And Abatement Order
Status:	Dead
Sort Code:	20-0020.05
Waste Discharger Id:	Not reported
Local Case Num:	Not reported
Responsible Party:	SPANJIAN
Category:	ENFORCEMENT
Class:	SLIC
Order Number:	92-82
File Number:	2
Date Entered:	12/1989
End Date:	03/1991
Archive Box #:	909
Archive Box Storage:	3-1-12R
Archive Box Storage Location:	Not reported
Remarks:	Not reported

Name:	SPANJIAN/ DUFOUR
Address:	1050 LOS VALLECITOS
City:	SAN MARCOS
Region:	9
Facilty Type:	Cleanup And Abatement Order
Status:	Dead
Sort Code:	20-0020.05
Waste Discharger Id:	Not reported
Local Case Num:	Not reported
Responsible Party:	SPANJIAN
Category:	ENFORCEMENT
Class:	SLIC
Order Number:	92-82
File Number:	3
Date Entered:	04/1991
End Date:	08/1992
Archive Box #:	909
Archive Box Storage:	3-1-12R
Archive Box Storage Location:	Not reported
Remarks:	Not reported

Name:	SPANJIAN/ DUFOUR

SPANJIAN/ DUFOUR (Continued) **S105692328**

Address:	1050 LOS VALLECITOS
City:	SAN MARCOS
Region:	9
Facilty Type:	Cleanup And Abatement Order
Status:	Dead
Sort Code:	20-0020.05
Waste Discharger Id:	Not reported
Local Case Num:	Not reported
Responsible Party:	SPANJIAN
Category:	ENFORCEMENT
Class:	SLIC
Order Number:	92-82
File Number:	4
Date Entered:	08/1992
End Date:	10/1992
Archive Box #:	909
Archive Box Storage:	3-1-12R
Archive Box Storage Location:	Not reported
Remarks:	Not reported

Name:	SPANJIAN/ DUFOUR
Address:	1050 LOS VALLECITOS
City:	SAN MARCOS
Region:	9
Facilty Type:	Cleanup And Abatement Order
Status:	Dead
Sort Code:	20-0020.05
Waste Discharger Id:	Not reported
Local Case Num:	Not reported
Responsible Party:	SPANJIAN
Category:	ENFORCEMENT
Class:	SLIC
Order Number:	93-22
File Number:	5
Date Entered:	11/1992
End Date:	02/1994
Archive Box #:	909
Archive Box Storage:	3-1-12R
Archive Box Storage Location:	Not reported
Remarks:	Not reported

Name:	SPANJIAN/ DUFOUR
Address:	1050 LOS VALLECITOS
City:	SAN MARCOS
Region:	9
Facilty Type:	Cleanup And Abatement Order
Status:	Open
Sort Code:	20-0020.05
Waste Discharger Id:	Not reported
Local Case Num:	Not reported
Responsible Party:	SPANJIAN
Category:	ENFORCEMENT
Class:	SLIC
Order Number:	93-22
File Number:	6
Date Entered:	03/1994
End Date:	Not reported

SPANJIAN/ DUFOUR (Continued) **S105692328**

Archive Box #: 0
Archive Box Storage: Not reported
Archive Box Storage Location: Not reported
Remarks: Not reported

Name: SPANJIAN/ DUFOUR
Address: 1050 LOS VALLECITOS
City: SAN MARCOS
Region: 9
Facilty Type: Cleanup And Abatement Order
Status: Dead
Sort Code: 20-0020.051
Waste Discharger Id: Not reported
Local Case Num: Not reported
Responsible Party: SPANJIAN
Category: ENF. REPORT
Class: SLIC
Order Number: 92-82
File Number: 1
Date Entered: 06/1989
End Date: 09/1991
Archive Box #: 909
Archive Box Storage: 3-1-12R
Archive Box Storage Location: Not reported
Remarks: Not reported

Name: SPANJIAN/ DUFOUR
Address: 1050 LOS VALLECITOS
City: SAN MARCOS
Region: 9
Facilty Type: Cleanup And Abatement Order
Status: Dead
Sort Code: 20-0020.051
Waste Discharger Id: Not reported
Local Case Num: Not reported
Responsible Party: SPANJIAN
Category: ENF. REPORT
Class: SLIC
Order Number: 93-22
File Number: 2
Date Entered: 10/1991
End Date: 03/1996
Archive Box #: 909
Archive Box Storage: 3-1-12R
Archive Box Storage Location: Not reported
Remarks: Not reported

Name: SPANJIAN/ DUFOUR
Address: 1050 LOS VALLECITOS
City: SAN MARCOS
Region: 9
Facilty Type: Cleanup And Abatement Order
Status: Open
Sort Code: 20-0020.051
Waste Discharger Id: Not reported
Local Case Num: Not reported
Responsible Party: SPANJIAN

SPANJIAN/ DUFOUR (Continued) **S105692328**

Category:	ENF. REPORT
Class:	SLIC
Order Number:	92-82
File Number:	3
Date Entered:	04/1996
End Date:	Not reported
Archive Box #:	0
Archive Box Storage:	Not reported
Archive Box Storage Location:	Not reported
Remarks:	Not reported

CPS-SLIC:

Name:	NORTH COUNTY FACTORY OUTLET (FORMERLY SPANJIAN/DUFOUR)
Address:	1050 LOS VALLECITOS BLVD.
City,State,Zip:	SAN MARCOS, CA 92069
Region:	STATE
Facility Status:	**Completed - Case Closed**
Status Date:	06/30/2014
Global Id:	SL0607396081
Lead Agency:	SAN DIEGO RWQCB (REGION 9)
Lead Agency Case Number:	H29237-001
Latitude:	33.1427302606866
Longitude:	-117.186827659607
Case Type:	Cleanup Program Site
Case Worker:	SM
Local Agency:	Not reported
RB Case Number:	2090027
File Location:	Regional Board
Potential Media Affected:	Other Groundwater (uses other than drinking water), Soil
Potential Contaminants of Concern:	1,1,1-Trichloroethane (TCA), Other Chlorinated Hydrocarbons, Other Solvent or Non-Petroleum Hydrocarbon, Tetrachloroethylene (PCE), Trichloroethylene (TCE), Stoddard solvent / Mineral Spriits / Distillates
Site History:	The North County Factory Outlet site is occupied by a single story, high-bay type, office-warehouse-shop building with 106,157 square feet (ft2) of area and an attached 2-story parking garage with associated asphalt parking areas and driveways and surrounding landscaped areas. The Site was undeveloped land until it was developed beginning in 1970 with the new Spanjian Sportswear, Inc. facility. They built the facility and operated there from 1971 to 1985.

Click here to access the California GeoTracker records for this facility:

CERS:

Name:	NORTH COUNTY FACTORY OUTLET (FORMERLY SPANJIAN/DUFOUR)
Address:	1050 LOS VALLECITOS BLVD.
City,State,Zip:	SAN MARCOS, CA 92069
Site ID:	200691
CERS ID:	SL0607396081
CERS Description:	Cleanup Program Site

Affiliation:

Affiliation Type Desc:	Regional Board Caseworker
Entity Name:	SEAN MCCLAIN - SAN DIEGO RWQCB (REGION 9)
Entity Title:	Not reported
Affiliation Address:	2375 NORTHSIDE DRIVE, SUITE 100

SPANJIAN/ DUFOUR (Continued) **S105692328**

Affiliation City:	SAN DIEGO
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	6195213374,

H69 **HD SUPPLY CONSTRUCTION SUPPLY LTD WC0029** **RCRA NonGen / NLR** **1008879877**
NW **1139 GRAND AVE** **CAR000167361**
< 1/8 **SAN MARCOS, CA 92078**
0.063 mi.
334 ft. **Site 1 of 2 in cluster H**

Relative: **Higher**

Actual: **544 ft.**

RCRA Listings:

Date Form Received by Agency:	20100914
Handler Name:	HD SUPPLY CONSTRUCTION SUPPLY LTD WC0029
Handler Address:	1139 GRAND AVE
Handler City,State,Zip:	SAN MARCOS, CA 92078
EPA ID:	CAR000167361
Contact Name:	MARK LAUBACH
Contact Address:	501 W CHURCH ST
Contact City,State,Zip:	ORLANDO, FL 32805
Contact Telephone:	407-822-2822
Contact Fax:	Not reported
Contact Email:	MARK.LAUBACH@HDSUPPLY.COM
Contact Title:	SENIOR EHS MGR
EPA Region:	09
Land Type:	Private
Federal Waste Generator Description:	Not a generator, verified
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Not reported
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	501 W CHURCH ST
Mailing City,State,Zip:	ORLANDO, FL 32805
Owner Name:	CL MASHBURN AND JW MASHBURN
Owner Type:	Private
Operator Name:	HD SUPPLY CONSTRUCTION SUPPLY LTD
Operator Type:	Private
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---

HD SUPPLY CONSTRUCTION SUPPLY LTD WC0029 (Continued) **1008879877**

Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	NN
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20100915
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	Not reported
Manifest Broker:	Not reported
Sub-Part P Indicator:	No

Hazardous Waste Summary:

Waste Code:	D001
Waste Description:	IGNITABLE WASTE
Waste Code:	D002
Waste Description:	CORROSIVE WASTE
Waste Code:	D009
Waste Description:	MERCURY
Waste Code:	D016
Waste Description:	2,4-D (2,4-DICHLOROPHENOXYACETIC ACID)
Waste Code:	D018
Waste Description:	BENZENE
Waste Code:	D035

HD SUPPLY CONSTRUCTION SUPPLY LTD WC0029 (Continued) **1008879877**

Waste Description: METHYL ETHYL KETONE

Waste Code: F003
Waste Description: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Waste Code: F005
Waste Description: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Handler - Owner Operator:
Owner/Operator Indicator: Owner
Owner/Operator Name: HOME DEPOT USA
Legal Status: Private
Date Became Current: 20040601
Date Ended Current: Not reported
Owner/Operator Address: 2455 PACES FERRY RD
Owner/Operator City,State,Zip: ATLANTA, GA 30339
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator
Owner/Operator Name: HD SUPPLY CONSTRUCTION SUPPLY LTD
Legal Status: Private
Date Became Current: 19980501
Date Ended Current: Not reported
Owner/Operator Address: Not reported
Owner/Operator City,State,Zip: Not reported
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner
Owner/Operator Name: CL MASHBURN AND JW MASHBURN
Legal Status: Private
Date Became Current: 19980501
Date Ended Current: Not reported
Owner/Operator Address: 128 N LAS POSAS RD
Owner/Operator City,State,Zip: SAN MARCOS, CA 92069
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported

HD SUPPLY CONSTRUCTION SUPPLY LTD WC0029 (Continued) **1008879877**

Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator
Owner/Operator Name: HD SUPPLY CONSTRUCTION SUPPLY LTD
Legal Status: Private
Date Became Current: 20070831
Date Ended Current: Not reported
Owner/Operator Address: Not reported
Owner/Operator City,State,Zip: Not reported
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator
Owner/Operator Name: HD SUPPLY CONSTRUCTION SUPPLY LTD
Legal Status: Private
Date Became Current: 19980501
Date Ended Current: Not reported
Owner/Operator Address: Not reported
Owner/Operator City,State,Zip: Not reported
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator
Owner/Operator Name: HOME DEPOT USA
Legal Status: Private
Date Became Current: 20040601
Date Ended Current: Not reported
Owner/Operator Address: Not reported
Owner/Operator City,State,Zip: Not reported
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner
Owner/Operator Name: CL MASHBURN AND JW MASHBURN
Legal Status: Private
Date Became Current: 19980501
Date Ended Current: Not reported
Owner/Operator Address: 128 N LAS POSAS RD
Owner/Operator City,State,Zip: SAN MARCOS, CA 92069
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner
Owner/Operator Name: CL MASHBURN AND JW MASHBURN
Legal Status: Private
Date Became Current: 19980501
Date Ended Current: Not reported
Owner/Operator Address: 128 N LAS POSAS RD

HD SUPPLY CONSTRUCTION SUPPLY LTD WC0029 (Continued) **1008879877**

Owner/Operator City,State,Zip: SAN MARCOS, CA 92069
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:

Receive Date: 20050622
Handler Name: HOME DEPOT USA INC HD WC0029
Federal Waste Generator Description: Small Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20080407
Handler Name: HD SUPPLY CONSTRUCTION SUPPLY LTD WC0029
Federal Waste Generator Description: Small Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20091029
Handler Name: HD SUPPLY CONSTRUCTION SUPPLY LTD WC0029
Federal Waste Generator Description: Small Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20100914
Handler Name: HD SUPPLY CONSTRUCTION SUPPLY LTD WC0029
Federal Waste Generator Description: Not a generator, verified
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported

HD SUPPLY CONSTRUCTION SUPPLY LTD WC0029 (Continued) **1008879877**

Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Code: 333319
NAICS Description: OTHER COMMERCIAL AND SERVICE INDUSTRY MACHINERY MANUFACTURING

NAICS Code: 44419
NAICS Description: OTHER BUILDING MATERIAL DEALERS

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

I70 **SO CAL TRIKE CENTER** **RCRA NonGen / NLR** **1024811866**
WSW **1050 LINDA VISTA DR STE B** **CAL000296994**
< 1/8 **SAN MARCOS, CA 92078**
0.065 mi.
341 ft. **Site 1 of 8 in cluster I**

Relative:
Lower

Actual:
540 ft.

RCRA Listings:

Date Form Received by Agency:		20050728
Handler Name:	SO CAL TRIKE CENTER	
Handler Address:		1050 LINDA VISTA DR STE B
Handler City,State,Zip:		SAN MARCOS, CA 92078
EPA ID:		CAL000296994
Contact Name:		RIX EDEN
Contact Address:		1050 LINDA VISTA DRIVE
Contact City,State,Zip:		SAN MARCOS, CA 92078
Contact Telephone:		760-744-1688
Contact Fax:		760-301-0089
Contact Email:		THETRIKEGUY@SOCALTRIKECENTER.COM
Contact Title:		Not reported
EPA Region:		09
Land Type:		Not reported
Federal Waste Generator Description:		Not a generator, verified
Non-Notifier:		Not reported
Biennial Report Cycle:		Not reported
Accessibility:		Not reported
Active Site Indicator:		Handler Activities
State District Owner:		Not reported
State District:		Not reported
Mailing Address:		1050 LINDA VISTA DRIVE
Mailing City,State,Zip:		SAN MARCOS, CA 92078-0000
Owner Name:	RIX EDEN	
Owner Type:		Other
Operator Name:	RIX EDEN	
Operator Type:		Other
Short-Term Generator Activity:		No
Importer Activity:		No
Mixed Waste Generator:		No
Transporter Activity:		No
Transfer Facility Activity:		No
Recycler Activity with Storage:		No

SO CAL TRIKE CENTER (Continued) **1024811866**

Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	Yes
Universal Waste Destination Facility:	Yes
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20180905
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Operator
Owner/Operator Name: RIX EDEN	
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported

SO CAL TRIKE CENTER (Continued) **1024811866**

Owner/Operator Address:	1050 LINDA VISTA DRIVE
Owner/Operator City,State,Zip:	SAN MARCOS, CA 92078
Owner/Operator Telephone:	760-744-1688
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Owner
Owner/Operator Name: RIX EDEN	
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	1050 LINDA VISTA DRIVE
Owner/Operator City,State,Zip:	SAN MARCOS, CA 92078-0000
Owner/Operator Telephone:	760-744-1688
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	20050728
Handler Name: SO CAL TRIKE CENTER	
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

List of NAICS Codes and Descriptions:

NAICS Code:	336991
NAICS Description:	MOTORCYCLE, BICYCLE, AND PARTS MANUFACTURING

Facility Has Received Notices of Violations:

Violations:	No Violations Found

Evaluation Action Summary:

Evaluations:	No Evaluations Found

I71 **DUSK TO DAWN MOTOCYCLE SERVICE** **San Diego Co. HMMD** **S106060616**
WSW **1050 LINDA VISTA DR B** **CERS HAZ WASTE** **N/A**
< 1/8 **SAN MARCOS, CA 92078** **CERS**
0.065 mi.
341 ft. **Site 2 of 8 in cluster I**

Relative: **Lower**
Actual: **540 ft.**

HMMD SAN DIEGO:

Name:	DUSK TO DAWN MOTOCYCLE SERVICE
Address:	1050 LINDA VISTA DR B
City,State,Zip:	SAN MARCOS, CA 92078
Permit Number:	Not reported
Business Type:	Not reported

DUSK TO DAWN MOTOCYCLE SERVICE (Continued) **S106060616**

EPA Id Number:	CAL000296994
APN:	Not reported
Last HMMD Inspection:	Not reported
Facility Telephone:	760-744-1688
Permit Status:	Permit Renewed
Permit Expiration:	Not reported
Date Last Updated:	07/30/2021
Facility Owner:	Not reported
Facility Mailing Address:	1050 LINDA VISTA DR #B, SAN MARCOS, CA 92078
Facility Mailing City:	Not reported
Facility Mailing State:	Not reported
Facility Mailing Zip:	Not reported
UST Owner:	N
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Y
Treat Haz Waste:	N
Generate Medical Waste:	Not reported

Inspection Violation:

Record ID:	DEH2006-HUPFP-206608
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-206608
Program Element:	Hazardous Waste Generator
Inspection Type:	Routine
Inspection Number:	5869374
Return To Compliance Date:	2018-01-18T00:00:00.000
Nov:	No
Violation Classification:	Class II
Underground Storage Tank Id:	Not reported
Container/Tank Id:	Not reported
Last Update:	2021-07-30T00:00:00.000
Inspection Date:	2018-01-18T17:51:46.000
Violation Code:	3030007 Failed to properly label/date hazardous waste container &/or tank. 22 CCR 66262.34(f)

Record ID:	DEH2006-HUPFP-206608
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-206608
Program Element:	Hazardous Waste Generator
Inspection Type:	Routine
Inspection Number:	6361957
Return To Compliance Date:	2020-02-20T00:00:00.000
Nov:	No
Violation Classification:	Class II
Underground Storage Tank Id:	Not reported
Container/Tank Id:	Not reported
Last Update:	2021-07-30T00:00:00.000
Inspection Date:	2020-02-18T00:00:00.000
Violation Code:	HMD0305 Disposed of used oil illegally. HSC 25250.5(a), 25189.5(a)

Record ID:	DEH2006-HUPFP-206608
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-206608

DUSK TO DAWN MOTOCYCLE SERVICE (Continued) **S106060616**

Program Element:	Hazardous Waste Generator
Inspection Type:	Routine
Inspection Number:	6361957
Return To Compliance Date:	2020-02-18T00:00:00.000
Nov:	No
Violation Classification:	Class II
Underground Storage Tank Id:	Not reported
Container/Tank Id:	Not reported
Last Update:	2021-07-30T00:00:00.000
Inspection Date:	2020-02-18T00:00:00.000
Violation Code:	3030007 Failed to properly label/date hazardous waste container &/or tank. 22 CCR 66262.34(f)

Waste and Materials:

Record ID:	DEH2006-HUPFP-206608
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2014-HWAST-0032132
Trade Secret:	N
Hazardous Material Type:	Not reported
Last Updated:	2021-07-30T02:43:58.000
Chemical Name:	WASTE 221 WASTE OIL & MIXED OIL
Common Name:	USED OIL
Case Number:	Not reported

Name:	ORION CHEMICAL
Address:	1050 LINDA VISTA DR
City,State,Zip:	SAN MARCOS, CA 92069
Permit Number:	107384
Business Type:	Not reported
EPA Id Number:	Not reported
APN:	219-152-64-00
Last HMMD Inspection:	Not reported
Facility Telephone:	Not reported
Permit Status:	INAC
Permit Expiration:	Not reported
Date Last Updated:	11/02/2012
Facility Owner:	Not reported
Facility Mailing Address:	Not reported
Facility Mailing City:	Not reported
Facility Mailing State:	Not reported
Facility Mailing Zip:	Not reported
UST Owner:	Not reported
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Not reported
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

Name:	DUSK TO DAWN MOTOCYCLE SERVICE
Address:	1050 LINDA VISTA DR
City,State,Zip:	SAN MARCOS, CA 92078
Permit Number:	206608
Business Type:	6HK18
EPA Id Number:	Not reported

DUSK TO DAWN MOTOCYCLE SERVICE (Continued) **S106060616**

APN:	219-152-64-00
Last HMMD Inspection:	04/12/2011
Facility Telephone:	760-744-1688
Permit Status:	OPEN
Permit Expiration:	08/31/2013
Date Last Updated:	11/02/2012
Facility Owner:	RIX M EDEN
Facility Mailing Address:	1050 LINDA VISTA DR #B
Facility Mailing City:	San Marcos
Facility Mailing State:	CA
Facility Mailing Zip:	92078
UST Owner:	Not reported
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Y
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

Inventory Active Permits (not SQG Medical):

Permit Number:	206608
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 221 WASTE OIL & MIXED OIL
Other Information:	USED OIL
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Violations Active Permits:

Permit Number:	206608
Update Date:	11/02/2012
Inspection Date:	04/12/2011
Violation Code:	6HV0149
Violation:	NO RECEIPTS (3 YRS) FOR OIL/FUEL FILTERS
Violation Citation:	Failed to keep disposal receipts (3 years) for drained used oil filters and/or drained fuel filters. 25250.22 and 66266.130(c)(5)
Activity:	ACTIVE

Permit Number:	206608
Update Date:	11/02/2012
Inspection Date:	09/29/2006
Violation Code:	6HV0131
Violation:	UPF Permit NOT OBTAINED for HAZWASTE
Violation Citation:	A Unified Program Facility permit has not been obtained for the generation of hazardous waste. 68.905
Activity:	ACTIVE

CERS HAZ WASTE:

Name:	DUSK TO DAWN MOTOCYCLE SERVICE
Address:	1050 LINDA VISTA DR
City,State,Zip:	SAN MARCOS, CA 92069
Site ID:	113016
CERS ID:	10376212
CERS Description:	Hazardous Waste Generator

DUSK TO DAWN MOTOCYCLE SERVICE (Continued) **S106060616**

CERS:
Name: DUSK TO DAWN MOTOCYCLE SERVICE
Address: 1050 LINDA VISTA DR
City,State,Zip: SAN MARCOS, CA 92069
Site ID: 113016
CERS ID: 10376212
CERS Description: Chemical Storage Facilities

Violations:
Site ID: 113016
Site Name: DUSK TO DAWN MOTOCYCLE SERVICE
Violation Date: 02-18-2020
Citation: HSC 6.5 Multiple - California Health and Safety Code, Chapter 6.5, Section(s) Multiple
Violation Description: Hazardous Waste Generator Program - Abandonment/Illegal Disposal/Unauthorized Treatment - General
Violation Notes: Returned to compliance on 02/20/2020. Inspection Sequence ID:6361957;Violation:HMD0305 Disposed of used oil illegally. HSC 25250.5(a), 25189.5(a)
Violation Division: San Diego County Department of Env Health
Violation Program: HW
Violation Source: CERS,

Site ID: 113016
Site Name: DUSK TO DAWN MOTOCYCLE SERVICE
Violation Date: 02-18-2020
Citation: 22 CCR 12 66262.34(f) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.34(f)
Violation Description: Failure to properly label hazardous waste accumulation containers and portable tanks with the following requirements: "Hazardous Waste", name and address of the generator, physical and chemical characteristics of the Hazardous Waste, and starting accumulation date.
Violation Notes: Returned to compliance on 02/18/2020. Inspection Sequence ID:6361957
Violation Division: San Diego County Department of Env Health
Violation Program: HW
Violation Source: CERS,

Site ID: 113016
Site Name: DUSK TO DAWN MOTOCYCLE SERVICE
Violation Date: 01-18-2018
Citation: 22 CCR 12 66262.34(f) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.34(f)
Violation Description: Failure to properly label hazardous waste accumulation containers and portable tanks with the following requirements: "Hazardous Waste", name and address of the generator, physical and chemical characteristics of the Hazardous Waste, and starting accumulation date.
Violation Notes: Returned to compliance on 01/18/2018.
Violation Division: San Diego County Department of Env Health
Violation Program: HW
Violation Source: CERS,

Evaluation:
Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-18-2018
Violations Found: Yes

DUSK TO DAWN MOTOCYCLE SERVICE (Continued) **S106060616**

Eval Type: Routine done by local agency
Eval Notes: Inspector: Calcagno Leonardo Inspection ID:5869374
Eval Division: San Diego County Department of Env Health
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 03-17-2016
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Inspector: Calcagno Leonardo Inspection ID:5419931
Eval Division: San Diego County Department of Env Health
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 04-17-2014
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Inspector: Beacon Ellen Inspection ID:5218828
Eval Division: San Diego County Department of Env Health
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 02-18-2020
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Inspector: Valdez Kevin Inspection ID:6361957
Eval Division: San Diego County Department of Env Health
Eval Program: HW
Eval Source: CERS,

Affiliation:
Affiliation Type Desc: Operator
Entity Name: RIX M EDEN
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: (760) 744-1688,

Affiliation Type Desc: Parent Corporation
Entity Name: DUSK TO DAWN MOTOCYCLE SERVICE
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Affiliation Type Desc: CUPA District
Entity Name: San Diego County Env Health Qlty
Entity Title: Not reported

DUSK TO DAWN MOTOCYCLE SERVICE (Continued) **S106060616**

Affiliation Address:	PO Box 129261
Affiliation City:	San Diego
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92112-9261
Affiliation Phone:	(858) 505-6880,
Affiliation Type Desc:	Identification Signer
Entity Name:	Rix Eden
Entity Title:	Owner
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,
Affiliation Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	Not reported
Affiliation Address:	1050 LINDA VISTA DR #B
Affiliation City:	SAN MARCOS
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92078
Affiliation Phone:	,
Affiliation Type Desc:	Document Preparer
Entity Name:	Rix Eden
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,
Affiliation Type Desc:	Environmental Contact
Entity Name:	Rix Eden
Entity Title:	Not reported
Affiliation Address:	1050 Linda Vista Drive Suite #B
Affiliation City:	San Marcos
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92078
Affiliation Phone:	,
Affiliation Type Desc:	Legal Owner
Entity Name:	Rix Eden
Entity Title:	Not reported
Affiliation Address:	1050 Linda Vista Drive Suite #B
Affiliation City:	San Marcos
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	92078
Affiliation Phone:	(760) 744-1688,

J72
South
< 1/8
0.065 mi.
345 ft.

Relative:
Higher

Actual:
544 ft.

MORALLY WHOLESALE
975 LINDA VISTA DR
SAN MARCOS, CA 92069

Site 1 of 2 in cluster J

SAN DIEGO CO. SAM
LUST
San Diego Co. HMMD
SWEEPS UST
Cortese
HIST CORTESE
SAN DIEGO CO LOP
CERS
HWTS

S101302227
N/A

SAN DIEGO CO. SAM:

Name:	MORALLY WHOLESALE INC
Address:	975 LINDA VISTA DR
City,State,Zip:	SAN MARCOS, CA 920692611
Case Number:	H22855-001
Agency:	DEH Site Assessment & Mitigation
Funding:	**LOP - Federal Fund**
Facility Type:	Drinking Water Aquifer Impacted
Facility Status:	Closed Case
Date:	2/28/1997
Date Began:	6/5/1991

LUST:

Name:	MORALLY WHOLESALE INC
Address:	975 LINDA VISTA DR
City,State,Zip:	SAN MARCOS, CA 920692611
Lead Agency:	SAN DIEGO COUNTY LOP
Case Type:	LUST Cleanup Site
Geo Track:	http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0607300772
Global Id:	T0607300772
Latitude:	33.138535
Longitude:	-117.185567
Status:	Completed - Case Closed
Status Date:	02/28/1997
Case Worker:	Not reported
RB Case Number:	9UT1999
Local Agency:	Not reported
File Location:	Local Agency
Local Case Number:	H22855-001
Potential Media Affect:	Aquifer used for drinking water supply
Potential Contaminants of Concern:	Gasoline
Site History:	Not reported

LUST:

Global Id:	T0607300772
Action Type:	ENFORCEMENT
Date:	06/21/1991
Action:	Notice of Responsibility

Global Id:	T0607300772
Action Type:	Other
Date:	06/05/1991
Action:	Leak Reported

Global Id:	T0607300772
Action Type:	Other
Date:	06/05/1991
Action:	Leak Began

MORALLY WHOLESALE (Continued) **S101302227**

Global Id: T0607300772
Action Type: Other
Date: 06/05/1991
Action: Leak Stopped

Global Id: T0607300772
Action Type: ENFORCEMENT
Date: 02/28/1997
Action: Closure/No Further Action Letter

Global Id: T0607300772
Action Type: ENFORCEMENT
Date: 02/14/1997
Action: Closure/No Further Action Letter - #H22855-001

Global Id: T0607300772
Action Type: Other
Date: 06/05/1991
Action: Leak Discovery

LUST:
Global Id: T0607300772
Status: Open - Case Begin Date
Status Date: 06/05/1991

Global Id: T0607300772
Status: Completed - Case Closed
Status Date: 02/28/1997

LUST REG 9:
Region: 9
Status: Case Closed
Case Number: 9UT1999
Local Case: H22855-001
Substance: Gasoline
Qty Leaked: Not reported
Abate Method: Excavate and Treat - remove contaminated soil and treat (includes spreading or land farming)
Local Agency: San Diego
How Found: Other Means
How Stopped: Other Means
Source: Unknown
Cause: Unknown
Lead Agency: Local Agency
Case Type: Aquifer affected
Date Found: 06/05/1991
Date Stopped: 06/05/1991
Confirm Date: 06/05/1991
Submit Workplan: 6/21/91
Prelim Assess: / /
Desc Pollution: Not reported
Remed Plan: / /
Remed Action: Not reported
Began Monitor: 1/18/94
Release Date: 06/05/1991

MORALLY WHOLESALE (Continued) **S101302227**

Enforce Date: Not reported
Closed Date: 2/28/97
Enforce Type: Not reported
Pilot Program: LOP
Basin Number: 904.52
GW Depth: 6'
Beneficial Use: Municipal groundwater use
NPDES Number: Not reported
Priority: 3A
File Dispn: File discarded, case closed
Interim Remedial Actions: Yes
Cleanup and Abatement order Number: Not reported
Waste Discharge Requirement Number: Not reported

HMMD SAN DIEGO:
Name: MORALLY WHOLESALE INC
Address: 975 LINDA VISTA DR
City,State,Zip: SAN MARCOS, CA 92069
Permit Number: 122855
Business Type: Not reported
EPA Id Number: Not reported
APN: 219-330-40-00
Last HMMD Inspection: Not reported
Facility Telephone: 619-744-0022
Permit Status: INAC
Permit Expiration: Not reported
Date Last Updated: 11/02/2012
Facility Owner: JOHN MORALLY
Facility Mailing Address: 975 LINDA VISTA DR
Facility Mailing City: SAN MARCOS
Facility Mailing State: CA
Facility Mailing Zip: 92069-2611
UST Owner: Not reported
Handle Regulated Hazmat: Not reported
Own Or Operate UST: Not reported
Subject To APSA: Not reported
Generate Haz Waste: Not reported
Treat Haz Waste: Not reported
Generate Medical Waste: Not reported

UST:
UST Name: UNDERGROUND TANK 122855 T001
Last Update: 2012-11-02 14:17:38
Permit Number: 122855
Tank Type: UNKNOWN
Additional Id: AT2298
Capacity Gallons: 500
UST Contents: REGULAR UNLEADED
Other Content Info: REGULAR UNLEADED
Reg Status: REMOVED
Remove Close Date: 1991-05-06 00:00:00
Year Installed: Not reported
Pipe Type: Not reported
Delivery System: Not reported
Monitor Code: 90
UST Monitor Method: NO MONITORING ALTERNATIVE SELECTED. VERIFY AND ENTER MONITORING ALTERNATIVE DURING INSPECTION.

MORALLY WHOLESALE (Continued) **S101302227**

UST Name:	UNDERGROUND TANK 122855 T002
Last Update:	2012-11-02 14:17:38
Permit Number:	122855
Tank Type:	UNKNOWN
Additional Id:	AT2298
Capacity Gallons:	500
UST Contents:	DIESEL
Other Content Info:	DIESEL
Reg Status:	REMOVED
Remove Close Date:	1991-05-06 00:00:00
Year Installed:	Not reported
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	90
UST Monitor Method:	NO MONITORING ALTERNATIVE SELECTED. VERIFY AND ENTER MONITORING ALTERNATIVE DURING INSPECTION.

Name:	FOUR SEASONS TREECARE, INC
Address:	975 LINDA VISTA DR
City,State,Zip:	SAN MARCOS, CA 92078
Permit Number:	216987
Business Type:	6HK18
EPA Id Number:	CAL000377821
APN:	219-331-10-00
Last HMMD Inspection:	08/29/2012
Facility Telephone:	760-822-6492
Permit Status:	OPEN
Permit Expiration:	12/31/2012
Date Last Updated:	11/02/2012
Facility Owner:	FOUR SEASONS TREECARE, INC
Facility Mailing Address:	770 SYCAMORE AVE #122 & 192
Facility Mailing City:	VISTA
Facility Mailing State:	CA
Facility Mailing Zip:	92083
UST Owner:	Not reported
Handle Regulated Hazmat:	Y
Own Or Operate UST:	Not reported
Subject To APSA:	Y
Generate Haz Waste:	Y
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

Inventory Active Permits (not SQG Medical):

Permit Number:	216987
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 221 WASTE OIL & MIXED OIL
Other Information:	USED OIL
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Violations Active Permits:

Permit Number:	216987
Update Date:	11/02/2012
Inspection Date:	08/29/2012

MORALLY WHOLESALE (Continued) **S101302227**

Violation Code:	6HV0131
Violation:	UPF Permit NOT OBTAINED for HAZWASTE
Violation Citation:	A Unified Program Facility permit has not been obtained for the generation of hazardous waste. 68.905
Activity:	ACTIVE
Permit Number:	216987
Update Date:	11/02/2012
Inspection Date:	08/29/2012
Violation Code:	6HV0132
Violation:	EPA ID NUMBER NOT OBTAINED/MAINTAINED
Violation Citation:	Generator of hazardous waste has not obtained/maintained an EPA identification number. CCR 66262.12(a)
Activity:	ACTIVE
Permit Number:	216987
Update Date:	11/02/2012
Inspection Date:	08/29/2012
Violation Code:	6HV0408
Violation:	FAILED TO POST ER PLAN BY PHONE
Violation Citation:	Small quantity generator of hazardous waste failed to post emergency response plan by phone. CFR 262.34(d)(5)(ii)
Activity:	ACTIVE

Name:	FOUR SEASONS TREECARE, INC
Address:	975 LINDA VISTA DR
City,State,Zip:	SAN MARCOS, CA 92078
Permit Number:	216987
Business Type:	6HK18
EPA Id Number:	CAL000377821
APN:	219-331-10-00
Last HMMD Inspection:	08/29/2012
Facility Telephone:	760-822-6492
Permit Status:	OPEN
Permit Expiration:	12/31/2012
Date Last Updated:	11/02/2012
Facility Owner:	FOUR SEASONS TREECARE, INC
Facility Mailing Address:	770 SYCAMORE AVE #122 & 192
Facility Mailing City:	VISTA
Facility Mailing State:	CA
Facility Mailing Zip:	92083
UST Owner:	Not reported
Handle Regulated Hazmat:	Y
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Y
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

Inventory Active Permits (not SQG Medical):

Permit Number:	216987
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 221 WASTE OIL & MIXED OIL
Other Information:	USED OIL
Material Waste:	Waste
Hazardous Categories 1:	Not reported

MORALLY WHOLESALE (Continued) **S101302227**

Hazardous Categories 2: Not reported

Violations Active Permits:

Permit Number: 216987
Update Date: 11/02/2012
Inspection Date: 08/29/2012
Violation Code: 6HV0131
Violation: UPF Permit NOT OBTAINED for HAZWASTE
Violation Citation: A Unified Program Facility permit has not been obtained for the generation of hazardous waste. 68.905
Activity: ACTIVE

Permit Number: 216987
Update Date: 11/02/2012
Inspection Date: 08/29/2012
Violation Code: 6HV0132
Violation: EPA ID NUMBER NOT OBTAINED/MAINTAINED
Violation Citation: Generator of hazardous waste has not obtained/maintained an EPA identification number. CCR 66262.12(a)
Activity: ACTIVE

Permit Number: 216987
Update Date: 11/02/2012
Inspection Date: 08/29/2012
Violation Code: 6HV0408
Violation: FAILED TO POST ER PLAN BY PHONE
Violation Citation: Small quantity generator of hazardous waste failed to post emergency response plan by phone. CFR 262.34(d)(5)(ii)
Activity: ACTIVE

Name: MOUNTAIN MOVERS ENGINEERING CONTRACTORS
Address: 975 LINDA VISTA DR
City,State,Zip: SAN MARCOS, CA 92078
Permit Number: 211652
Business Type: 6HK70
EPA Id Number: Not reported
APN: 219-331-10-00
Last HMMD Inspection: 02/23/2010
Facility Telephone: 760-510-9019
Permit Status: INAC
Permit Expiration: 12/31/2012
Date Last Updated: 11/02/2012
Facility Owner: MOUNTAIN MOVERS ENGINEERING CONTRACTORS
Facility Mailing Address: P.O BOX 962
Facility Mailing City: San Marcos
Facility Mailing State: CA
Facility Mailing Zip: 92079
UST Owner: Not reported
Handle Regulated Hazmat: Y
Own Or Operate UST: Not reported
Subject To APSA: Not reported
Generate Haz Waste: Y
Treat Haz Waste: Not reported
Generate Medical Waste: Not reported

Violations Inactive Permits:

MORALLY WHOLESALE (Continued) **S101302227**

Permit Number: 211652
Update Date: 11/02/2012
Inspection Date: 02/23/2010
Violation Code: 6HV1002
Violation: HMBP NOT ESTABISHED/IMPLEMENTED.
Violation Citation: Hazardous materials handler has not established/implemented a business plan. HSC 25503.5(a)
Activity: Inactive Permit

Name: MOUNTAIN MOVERS ENGINEERING CONTRACTORS
Address: 975 LINDA VISTA DR
City,State,Zip: SAN MARCOS, CA 92078
Permit Number: 211652
Business Type: 6HK70
EPA Id Number: Not reported
APN: 219-331-10-00
Last HMMD Inspection: 02/23/2010
Facility Telephone: 760-510-9019
Permit Status: INAC
Permit Expiration: 12/31/2012
Date Last Updated: 11/02/2012
Facility Owner: MOUNTAIN MOVERS ENGINEERING CONTRACTORS
Facility Mailing Address: P.O BOX 962
Facility Mailing City: San Marcos
Facility Mailing State: CA
Facility Mailing Zip: 92079
UST Owner: Not reported
Handle Regulated Hazmat: Y
Own Or Operate UST: Not reported
Subject To APSA: Y
Generate Haz Waste: Y
Treat Haz Waste: Not reported
Generate Medical Waste: Not reported

Violations Inactive Permits:
Permit Number: 211652
Update Date: 11/02/2012
Inspection Date: 02/23/2010
Violation Code: 6HV1002
Violation: HMBP NOT ESTABISHED/IMPLEMENTED.
Violation Citation: Hazardous materials handler has not established/implemented a business plan. HSC 25503.5(a)
Activity: Inactive Permit

Name: FOUR SEASONS TREECARE, INC
Address: 975 LINDA VISTA DR
City,State,Zip: SAN MARCOS, CA 92078
Permit Number: 216987
Business Type: 6HK18
EPA Id Number: CAL000377821
APN: 219-331-10-00
Last HMMD Inspection: 08/29/2012
Facility Telephone: 760-822-6492
Permit Status: OPEN
Permit Expiration: 12/31/2012
Date Last Updated: 11/02/2012

MORALLY WHOLESALE (Continued) **S101302227**

Facility Owner:	FOUR SEASONS TREECARE, INC
Facility Mailing Address:	770 SYCAMORE AVE #122 & 192
Facility Mailing City:	VISTA
Facility Mailing State:	CA
Facility Mailing Zip:	92083
UST Owner:	Not reported
Handle Regulated Hazmat:	N
Own Or Operate UST:	Not reported
Subject To APSA:	Y
Generate Haz Waste:	Y
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

Inventory Active Permits (not SQG Medical):

Permit Number:	216987
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 221 WASTE OIL & MIXED OIL
Other Information:	USED OIL
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Violations Active Permits:

Permit Number:	216987
Update Date:	11/02/2012
Inspection Date:	08/29/2012
Violation Code:	6HV0131
Violation:	UPF Permit NOT OBTAINED for HAZWASTE
Violation Citation:	A Unified Program Facility permit has not been obtained for the generation of hazardous waste. 68.905
Activity:	ACTIVE

Permit Number:	216987
Update Date:	11/02/2012
Inspection Date:	08/29/2012
Violation Code:	6HV0132
Violation:	EPA ID NUMBER NOT OBTAINED/MAINTAINED
Violation Citation:	Generator of hazardous waste has not obtained/maintained an EPA identification number. CCR 66262.12(a)
Activity:	ACTIVE

Permit Number:	216987
Update Date:	11/02/2012
Inspection Date:	08/29/2012
Violation Code:	6HV0408
Violation:	FAILED TO POST ER PLAN BY PHONE
Violation Citation:	Small quantity generator of hazardous waste failed to post emergency response plan by phone. CFR 262.34(d)(5)(ii)
Activity:	ACTIVE

SWEEPS UST:

Name:	MORALLY WHOLESALE INC
Address:	975 LINDA VISTA DR
City:	SAN MARCOS
Status:	Not reported

MORALLY WHOLESALE (Continued) **S101302227**

Comp Number:	22855
Number:	Not reported
Board Of Equalization:	Not reported
Referral Date:	Not reported
Action Date:	Not reported
Created Date:	Not reported
Owner Tank Id:	Not reported
SWRCB Tank Id:	37-000-022855-000001
Tank Status:	Not reported
Capacity:	500
Active Date:	Not reported
Tank Use:	M.V. FUEL
STG:	PRODUCT
Content:	REG UNLEADED
Number Of Tanks:	2

Name:	MORALLY WHOLESALE INC
Address:	975 LINDA VISTA DR
City:	SAN MARCOS
Status:	Not reported
Comp Number:	22855
Number:	Not reported
Board Of Equalization:	Not reported
Referral Date:	Not reported
Action Date:	Not reported
Created Date:	Not reported
Owner Tank Id:	Not reported
SWRCB Tank Id:	37-000-022855-000002
Tank Status:	Not reported
Capacity:	500
Active Date:	Not reported
Tank Use:	M.V. FUEL
STG:	PRODUCT
Content:	OTHER
Number Of Tanks:	Not reported

Name:	MORALLY WHOLESALE INC
Address:	975 LINDA VISTA DR
City:	SAN MARCOS
Status:	Active
Comp Number:	22855
Number:	9
Board Of Equalization:	Not reported
Referral Date:	Not reported
Action Date:	06-26-92
Created Date:	02-29-88
Owner Tank Id:	Not reported
SWRCB Tank Id:	Not reported
Tank Status:	Not reported
Capacity:	Not reported
Active Date:	Not reported
Tank Use:	Not reported
STG:	Not reported
Content:	Not reported
Number Of Tanks:	Not reported

MORALLY WHOLESALE (Continued) **S101302227**

CORTESE:

Name:	MORALLY WHOLESALE INC
Address:	975 LINDA VISTA DR
City,State,Zip:	SAN MARCOS, CA 920692611
Region:	CORTESE
Envirostor Id:	Not reported
Global ID:	T0607300772
Site/Facility Type:	LUST CLEANUP SITE
Cleanup Status:	COMPLETED - CASE CLOSED
Status Date:	Not reported
Site Code:	Not reported
Latitude:	Not reported
Longitude:	Not reported
Owner:	Not reported
Enf Type:	Not reported
Swat R:	Not reported
Flag:	active
Order No:	Not reported
Waste Discharge System No:	Not reported
Effective Date:	Not reported
Region 2:	Not reported
WID Id:	Not reported
Solid Waste Id No:	Not reported
Waste Management Uit Name:	Not reported
File Name:	Active Open

HIST CORTESE:

edr_fname:	MORALLY WHOLESALE
edr_fadd1:	975 LINDA VISTA
City,State,Zip:	SAN MARCOS, CA 92069
Region:	CORTESE
Facility County Code:	37
Reg By:	LTNKA
Reg Id:	9UT1999

SAN DIEGO CO LOP:

Name:	MORALLY WHOLESALE INC
Address:	975 LINDA VISTA DR
City,State,Zip:	SAN MARCOS, CA 92069
Record ID:	DEH1991-LSAM-H22855-001
Record Status:	Completed
Opened Date:	06/05/1991
Parcel Number:	219-331-10-00
Case Type:	LOP - Local Oversight Program
Historical Name:	FORMER MORALLY WHOLESALE INC.
SWRCB Global ID:	T0607300772
Funding:	F - LOP Federal Fund
Lead Agency:	DEH/SAM
Lead Agency Date:	06/05/1991
Census Tract:	200.29
Community:	San Marcos
Jurisdiction:	SAN MARCOS
Watershed Basin Number:	904.52
Water Purveyor:	VALLECITOS WATER DISTRICT
Fire Agency:	SAN MARCOS FIRE PROT DIST
Latitude:	33.1385348

MORALLY WHOLESALE (Continued) **S101302227**

Longitude: -117.1855665
X MapCoord: 6275280.894
Y MapCoord: 1995315.345

CERS:
Name: MORALLY WHOLESALE INC
Address: 975 LINDA VISTA DR
City,State,Zip: SAN MARCOS, CA 920692611
Site ID: 250978
CERS ID: T0607300772
CERS Description: Leaking Underground Storage Tank Cleanup Site

HWTS:
Name: MOUNTAIN MOVERS ENGINEERING CONTRACTORS
Address: 975 LINDA VISTA DR
Address 2: Not reported
City,State,Zip: SAN MARCOS, CA 92078
EPA ID: CAL000350689
Inactive Date: 06/30/2011
Create Date: 03/10/2010
Last Act Date: Not reported
Mailing Name: Not reported
Mailing Address: PO BOX 962
Mailing Address 2: Not reported
Mailing City,State,Zip: SAN MARCOS, CA 920790962
Owner Name: DEAN SMITH
Owner Address: PO BOX 962
Owner Address 2: Not reported
Owner City,State,Zip: SAN MARCOS, CA 920790962
Contact Name: DEAN SMITH
Contact Address: 975 LINDA VISTA DR
Contact Address 2: Not reported
City,State,Zip: SAN MARCOS, CA 920782611
Facility Status: Inactive
Facility Type: PERMANENT
Category: STATE
Latitude: 33.13853
Longitude: -117.18557

NAICS:
EPA ID: CAL000350689
Create Date: 2010-03-10 09:07:50.627
NAICS Code: 23499
NAICS Description: All Other Heavy Construction
Issued EPA ID Date: 2010-03-10 09:07:50.61000
Inactive Date: 2011-06-30 00:00:00
Facility Name: MOUNTAIN MOVERS ENGINEERING CONTRACTORS
Facility Address: 975 LINDA VISTA DR
Facility Address 2: Not reported
Facility City: SAN MARCOS
Facility County: Not reported
Facility State: CA
Facility Zip: 920782611

J73 **FOUR SEASONS TREE CARE INC** **RCRA NonGen / NLR** **1024835581**
South **975 LINDA VISTA DR** **CAL000377821**
< 1/8 **SAN MARCOS, CA 92078**
0.065 mi.
345 ft. **Site 2 of 2 in cluster J**

Relative: **Higher**

Actual: **544 ft.**

RCRA Listings:

Date Form Received by Agency:	20120831
Handler Name:	FOUR SEASONS TREE CARE INC
Handler Address:	975 LINDA VISTA DR
Handler City,State,Zip:	SAN MARCOS, CA 92078
EPA ID:	CAL000377821
Contact Name:	BRIAN BRUCE
Contact Address:	975 LINDA VISTA DR
Contact City,State,Zip:	SAN MARCOS, CA 92078
Contact Telephone:	760-497-3360
Contact Fax:	760-477-7304
Contact Email:	BBRUCE@FOURSEASONSTC.COM
Contact Title:	Not reported
EPA Region:	09
Land Type:	Not reported
Federal Waste Generator Description:	Not a generator, verified
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Handler Activities
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	975 LINDA VISTA DRIVE
Mailing City,State,Zip:	SAN MARCOS, CA 92078
Owner Name:	BRYAN AND CHRISTY MOLLER
Owner Type:	Other
Operator Name:	BRIAN BRUCE
Operator Type:	Other
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	Yes
Universal Waste Destination Facility:	Yes
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported

FOUR SEASONS TREE CARE INC (Continued) **1024835581**

Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20180906
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name: BRYAN AND CHRISTY MOLLER	
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	975 LINDA VISTA DR
Owner/Operator City,State,Zip:	SAN MARCOS, CA 92078
Owner/Operator Telephone:	866-991-7774
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name: BRIAN BRUCE	
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	975 LINDA VISTA DR
Owner/Operator City,State,Zip:	SAN MARCOS, CA 92078
Owner/Operator Telephone:	760-497-3360
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

FOUR SEASONS TREE CARE INC (Continued) **1024835581**

Historic Generators:
Receive Date: 20120831
Handler Name: FOUR SEASONS TREE CARE INC
Federal Waste Generator Description: Not a generator, verified
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Code: 115112
NAICS Description: SOIL PREPARATION, PLANTING, AND CULTIVATING

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

K74 **LUMBER LIQUIDATORS/LL FLOORING STORE 1332** **RCRA NonGen / NLR** **1027091443**
ENE **860 LOS VALLECITOS BLVD** **CAL000464919**
< 1/8 **SAN MARCOS, CA 92069**
0.074 mi.
393 ft. **Site 1 of 4 in cluster K**

Relative: **Higher**
Actual: **551 ft.**

RCRA Listings:
Date Form Received by Agency: 20210820
Handler Name: LUMBER LIQUIDATORS/LL FLOORING STORE 1332
Handler Address: 860 LOS VALLECITOS BLVD
Handler City,State,Zip: SAN MARCOS, CA 92069
EPA ID: CAL000464919
Contact Name: CATHERINE BINCZAK
Contact Address: 4901 BAKERS MILL LN
Contact City,State,Zip: RICHMOND, VA 92320
Contact Telephone: 804-420-8203
Contact Fax: 877-229-0024
Contact Email: CBINCZAK@LUMBERLIQUIDATORS.COM
Contact Title: Not reported
EPA Region: 09
Land Type: Not reported
Federal Waste Generator Description: Not a generator, verified
Non-Notifier: Not reported
Biennial Report Cycle: Not reported
Accessibility: Not reported
Active Site Indicator: Not reported
State District Owner: Not reported
State District: Not reported
Mailing Address: 4901 BAKERS MILL LN
Mailing City,State,Zip: RICHMOND, VA 92320
Owner Name: LUMBER LIQUIDATORS HOLDINGS INC

LUMBER LIQUIDATORS/LL FLOORING STORE 1332 (Continued) **1027091443**

Owner Type:		Other
Operator Name:	CATHERINE BINCZAK	
Operator Type:		Other
Short-Term Generator Activity:		No
Importer Activity:		No
Mixed Waste Generator:		No
Transporter Activity:		No
Transfer Facility Activity:		No
Recycler Activity with Storage:		No
Small Quantity On-Site Burner Exemption:		No
Smelting Melting and Refining Furnace Exemption:		No
Underground Injection Control:		No
Off-Site Waste Receipt:		No
Universal Waste Indicator:		No
Universal Waste Destination Facility:		No
Federal Universal Waste:		No
Active Site Fed-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site Converter Treatment storage and Disposal Facility:		Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site State-Reg Handler:		---
Federal Facility Indicator:		Not reported
Hazardous Secondary Material Indicator:		N
Sub-Part K Indicator:		Not reported
Commercial TSD Indicator:		No
Treatment Storage and Disposal Type:		Not reported
2018 GPRA Permit Baseline:		Not on the Baseline
2018 GPRA Renewals Baseline:		Not on the Baseline
Permit Renewals Workload Universe:		Not reported
Permit Workload Universe:		Not reported
Permit Progress Universe:		Not reported
Post-Closure Workload Universe:		Not reported
Closure Workload Universe:		Not reported
202 GPRA Corrective Action Baseline:		No
Corrective Action Workload Universe:		No
Subject to Corrective Action Universe:		No
Non-TSDFs Where RCRA CA has Been Imposed Universe:		No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:		No
TSDFs Only Subject to CA under Discretionary Auth Universe:		No
Corrective Action Priority Ranking:		No NCAPS ranking
Environmental Control Indicator:		No
Institutional Control Indicator:		No
Human Exposure Controls Indicator:		N/A
Groundwater Controls Indicator:		N/A
Operating TSDF Universe:		Not reported
Full Enforcement Universe:		Not reported
Significant Non-Complier Universe:		No
Unaddressed Significant Non-Complier Universe:		No
Addressed Significant Non-Complier Universe:		No
Significant Non-Complier With a Compliance Schedule Universe:		No
Financial Assurance Required:		Not reported
Handler Date of Last Change:		20211011
Recognized Trader-Importer:		No
Recognized Trader-Exporter:		No
Importer of Spent Lead Acid Batteries:		No
Exporter of Spent Lead Acid Batteries:		No
Recycler Activity Without Storage:		No
Manifest Broker:		No

LUMBER LIQUIDATORS/LL FLOORING STORE 1332 (Continued) **1027091443**

Sub-Part P Indicator: No

Handler - Owner Operator:
Owner/Operator Indicator: Owner
Owner/Operator Name: LUMBER LIQUIDATORS HOLDINGS INC
Legal Status: Other
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: 4901 BAKERS MILL LN
Owner/Operator City,State,Zip: RICHMOND, VA 92320
Owner/Operator Telephone: 804-420-8203
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator
Owner/Operator Name: CATHERINE BINCZAK
Legal Status: Other
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: 4901 BAKERS MILL LN
Owner/Operator City,State,Zip: RICHMOND, VA 92320
Owner/Operator Telephone: 804-420-8203
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:
Receive Date: 20210820
Handler Name: LUMBER LIQUIDATORS/LL FLOORING STORE 1332
Federal Waste Generator Description: Not a generator, verified
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: No
Electronic Manifest Broker: No

List of NAICS Codes and Descriptions:
NAICS Code: 444190
NAICS Description: OTHER BUILDING MATERIAL DEALERS

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

I75 WSW < 1/8 0.078 mi. 411 ft. **BLACK OXIDE SERVICE INC**
1070 LINDA VISTA DR
SAN MARCOS, CA 92078
Site 3 of 8 in cluster I

RCRA NonGen / NLR **1025865388** **CAD981425952**

Relative: Lower
Actual: 538 ft.

RCRA Listings:

Date Form Received by Agency:		19870410
Handler Name:	BLACK OXIDE SERVICE INC	
Handler Address:		1070 LINDA VISTA DR
Handler City,State,Zip:		SAN MARCOS, CA 92078-0000
EPA ID:		CAD981425952
Contact Name:		AUGUST SLIVNIK
Contact Address:		1070 LINDA VISTA DR
Contact City,State,Zip:		SAN MARCOS, CA 92078
Contact Telephone:		760-744-8735
Contact Fax:		760-744-2905
Contact Email:		MONICA@SLI-BOS.COM
Contact Title:		Not reported
EPA Region:		09
Land Type:		Not reported
Federal Waste Generator Description:		Not a generator, verified
Non-Notifier:		Not reported
Biennial Report Cycle:		Not reported
Accessibility:		Not reported
Active Site Indicator:		Not reported
State District Owner:		Not reported
State District:		Not reported
Mailing Address:		1070 LINDA VISTA DR
Mailing City,State,Zip:		SAN MARCOS, CA 92078-0000
Owner Name:	BLACK OXIDE SERVICE INC	
Owner Type:		Other
Operator Name:	AUGUST SLIVNIK	
Operator Type:		Other
Short-Term Generator Activity:		No
Importer Activity:		No
Mixed Waste Generator:		No
Transporter Activity:		No
Transfer Facility Activity:		No
Recycler Activity with Storage:		No
Small Quantity On-Site Burner Exemption:		No
Smelting Melting and Refining Furnace Exemption:		No
Underground Injection Control:		No
Off-Site Waste Receipt:		No
Universal Waste Indicator:		No
Universal Waste Destination Facility:		No
Federal Universal Waste:		No
Active Site Fed-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site Converter Treatment storage and Disposal Facility:		Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site State-Reg Handler:		---
Federal Facility Indicator:		Not reported
Hazardous Secondary Material Indicator:		N
Sub-Part K Indicator:		Not reported
Commercial TSD Indicator:		No
Treatment Storage and Disposal Type:		Not reported
2018 GPRA Permit Baseline:		Not on the Baseline
2018 GPRA Renewals Baseline:		Not on the Baseline
Permit Renewals Workload Universe:		Not reported

BLACK OXIDE SERVICE INC (Continued) **1025865388**

Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20191011
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name: BLACK OXIDE SERVICE INC	
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	1070 LINDA VISTA DR
Owner/Operator City,State,Zip:	SAN MARCOS, CA 92078-0000
Owner/Operator Telephone:	760-744-8735
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name: AUGUST SLIVNIK	
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	1070 LINDA VISTA DR
Owner/Operator City,State,Zip:	SAN MARCOS, CA 92078
Owner/Operator Telephone:	760-744-8735
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

BLACK OXIDE SERVICE INC (Continued) **1025865388**

Historic Generators:
- Receive Date: 19870410
- Handler Name: BLACK OXIDE SERVICE INC
- Federal Waste Generator Description: Not a generator, verified
- State District Owner: Not reported
- Large Quantity Handler of Universal Waste: No
- Recognized Trader Importer: Not reported
- Recognized Trader Exporter: Not reported
- Spent Lead Acid Battery Importer: Not reported
- Spent Lead Acid Battery Exporter: Not reported
- Current Record: Yes
- Non Storage Recycler Activity: Not reported
- Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
- NAICS Code: 322211
- NAICS Description: CORRUGATED AND SOLID FIBER BOX MANUFACTURING

Facility Has Received Notices of Violations:
- Violations: No Violations Found

Evaluation Action Summary:
- Evaluations: No Evaluations Found

I76
WSW
< 1/8
0.078 mi.
411 ft.

BLACK OXIDE SERVICE, INC
1070 LINDA VISTA DR
SAN MARCOS, CA 92078

San Diego Co. HMMD
CERS HAZ WASTE
CERS

1000172866
N/A

Site 4 of 8 in cluster I

Relative:
Lower

Actual:
538 ft.

HMMD SAN DIEGO:
- Name: BLACK OXIDE SERVICE, INC
- Address: 1070 LINDA VISTA DR
- City,State,Zip: SAN MARCOS, CA 92078
- Permit Number: Not reported
- Business Type: Not reported
- EPA Id Number: CAD981425952
- APN: Not reported
- Last HMMD Inspection: Not reported
- Facility Telephone: 760-744-8735
- Permit Status: Permit Renewed
- Permit Expiration: Not reported
- Date Last Updated: 08/25/2021
- Facility Owner: Not reported
- Facility Mailing Address: 1070 Linda Vista Dr, San Marcos, CA 92078
- Facility Mailing City: Not reported
- Facility Mailing State: Not reported
- Facility Mailing Zip: Not reported
- UST Owner: N
- Handle Regulated Hazmat: Not reported
- Own Or Operate UST: Not reported
- Subject To APSA: Not reported
- Generate Haz Waste: Y
- Treat Haz Waste: N
- Generate Medical Waste: Not reported

BLACK OXIDE SERVICE, INC (Continued) **1000172866**

Inspection Violation:

Record ID:	DEH2002-HUPFP-108394
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-108394
Program Element:	Hazardous Waste Treatment
Inspection Type:	Routine
Inspection Number:	5959676
Return To Compliance Date:	Not reported
Nov:	Not reported
Violation Classification:	Not reported
Underground Storage Tank Id:	Not reported
Container/Tank Id:	001
Last Update:	2021-08-25T00:00:00.000
Inspection Date:	2018-07-27T00:00:00.000
Violation Code:	3250005 Unauthorized treatment of hazardous waste. HSC 25201(a) Tiers CESW/SQT: HSC 25201.5, CEL: HSC 25201.14, CA: HSC 25200.3; or PBR 22 CCR 67450.1

Record ID:	DEH2002-HUPFP-108394
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-108394
Program Element:	Hazardous Materials Release Response Plans
Inspection Type:	Routine
Inspection Number:	5538344
Return To Compliance Date:	2016-10-18T00:00:00.000
Nov:	No
Violation Classification:	Minor
Underground Storage Tank Id:	Not reported
Container/Tank Id:	Not reported
Last Update:	2021-08-25T00:00:00.000
Inspection Date:	2016-07-31T13:33:00.000
Violation Code:	1010005 Site map not submitted in CERS or not sufficient. HSC 25505(a)(2) and 25508(a)(1)(A)

Record ID:	DEH2002-HUPFP-108394
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-108394
Program Element:	Hazardous Waste Generator
Inspection Type:	Routine
Inspection Number:	5538344
Return To Compliance Date:	2018-02-27T00:00:00.000
Nov:	No
Violation Classification:	Class I
Underground Storage Tank Id:	Not reported
Container/Tank Id:	Not reported
Last Update:	2021-08-25T00:00:00.000
Inspection Date:	2016-07-31T13:33:00.000
Violation Code:	3030005 Failed to make a proper waste determination. 22 CCR 66262.11, 66262.40(c)

Record ID:	DEH2002-HUPFP-108394
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-108394

BLACK OXIDE SERVICE, INC (Continued) **1000172866**

Program Element:	Hazardous Materials Release Response Plans
Inspection Type:	Routine
Inspection Number:	5538344
Return To Compliance Date:	2016-10-18T00:00:00.000
Nov:	No
Violation Classification:	Class II
Underground Storage Tank Id:	Not reported
Container/Tank Id:	Not reported
Last Update:	2021-08-25T00:00:00.000
Inspection Date:	2016-07-31T13:33:00.000
Violation Code:	1010004 Chemical inventory incomplete or not submitted in CERS. HSC 25505(a)(1); 25506; 25507; and 25508(a)(1)(A)

Record ID:	DEH2002-HUPFP-108394
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-108394
Program Element:	Hazardous Materials Release Response Plans
Inspection Type:	Routine
Inspection Number:	5538344
Return To Compliance Date:	2016-08-08T00:00:00.000
Nov:	Yes
Violation Classification:	Class I
Underground Storage Tank Id:	Not reported
Container/Tank Id:	Not reported
Last Update:	2021-08-25T00:00:00.000
Inspection Date:	2016-07-31T13:33:00.000
Violation Code:	HMD1001 Unified Program Facility permit not obtained for hazardous materials. SDCC 68.905

Record ID:	DEH2002-HUPFP-108394
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-108394
Program Element:	Hazardous Waste Generator
Inspection Type:	Routine
Inspection Number:	5538344
Return To Compliance Date:	2016-08-08T00:00:00.000
Nov:	No
Violation Classification:	Minor
Underground Storage Tank Id:	Not reported
Container/Tank Id:	Not reported
Last Update:	2021-08-25T00:00:00.000
Inspection Date:	2016-07-31T13:33:00.000
Violation Code:	3030007 Failed to properly label/date hazardous waste container and/or tank. 22 CCR 66262.34(f)

Waste and Materials:

Record ID:	DEH2002-HUPFP-108394
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2018-HCHEM-0177697
Trade Secret:	N
Hazardous Material Type:	Pure
Last Updated:	2019-07-10T02:30:46.000
Chemical Name:	ACETYLENE COMPRESSED GAS
Common Name:	ACETYLENE COMPRESSED GAS

BLACK OXIDE SERVICE, INC (Continued) **1000172866**

Case Number: 74-86-2

Record ID: DEH2002-HUPFP-108394
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0177698
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2019-07-10T02:30:46.000
Chemical Name: OXYGEN COMPRESSED GAS
Common Name: OXYGEN COMPRESSED GAS
Case Number: 7782-44-7

Record ID: DEH2002-HUPFP-108394
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2016-HWAST-0098792
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2017-06-10T02:30:46.000
Chemical Name: WASTE 135 UNSPECIFIED AQUEOUS SOLUTION
Common Name: SAFETY-KLEEN PARTS WASHER WASTE
Case Number: Not reported

Record ID: DEH2002-HUPFP-108394
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2016-HWAST-0098793
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2017-06-10T02:30:46.000
Chemical Name: WASTE 141 OFF-SPECIFICATION, AGED, OR SURPLUS INORGANICS
Common Name: SODIUM NITRITE
Case Number: Not reported

Record ID: DEH2002-HUPFP-108394
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2016-HWAST-0098794
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2017-06-10T02:30:46.000
Chemical Name: WASTE 792 LIQUIDS WITH PH=2 WITH METALS
Common Name: LARGE STEEL PROCESS LINE SODIUM METASILICATE RINSE DISCHARGE
Case Number: Not reported

Record ID: DEH2002-HUPFP-108394
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2016-HWAST-0098795
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2017-06-10T02:30:46.000
Chemical Name: WASTE 121 ALKALINE SOLUTION WITH METALS
Common Name: SMALL STEEL PROCESS LINE SODIUM METASILICATE RINSE DISCHARGE
Case Number: Not reported

BLACK OXIDE SERVICE, INC (Continued) **1000172866**

Record ID: DEH2002-HUPFP-108394
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2016-HWAST-0098796
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2017-06-10T02:30:46.000
Chemical Name: WASTE 121 ALKALINE SOLUTION WITH METALS
Common Name: SMALL STAINLESS STEEL PROCESS LINE SODIUM METASILICATE RINSE DISCHARGE
Case Number: Not reported

Record ID: DEH2002-HUPFP-108394
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2016-HWAST-0098797
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2017-06-10T02:30:46.000
Chemical Name: WASTE 121 ALKALINE SOLUTION WITH METALS
Common Name: LARGE STEEL PROCESS LINE NAOH/HCL RINSE DISCHARGE
Case Number: Not reported

Record ID: DEH2002-HUPFP-108394
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2016-HWAST-0098798
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2017-06-10T02:30:46.000
Chemical Name: WASTE 121 ALKALINE SOLUTION WITH METALS
Common Name: SMALL STEEL PROCESS LINE NAOH/HCL RINSE DISCHARGE
Case Number: Not reported

Record ID: DEH2002-HUPFP-108394
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2016-HWAST-0098799
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2017-06-10T02:30:46.000
Chemical Name: WASTE 121 ALKALINE SOLUTION WITH METALS
Common Name: SMALL STAINLESS STEEL PROCESS LINE NAOH/HCL RINSE DISCHARGE
Case Number: Not reported

Record ID: DEH2002-HUPFP-108394
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0177694
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2019-07-10T02:30:46.000
Chemical Name: BLACK MAGIC INFUSION POWDER SOLUTION
Common Name: LARGE PROCESS LINE NAOH TANK SOLUTION
Case Number: MIXTURE

Record ID: DEH2002-HUPFP-108394
Permit Status: Permit Renewed

BLACK OXIDE SERVICE, INC (Continued) **1000172866**

Active Permit: Y
Child Record Id: DEH2018-HWAST-0152227
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2019-07-10T02:30:46.000
Chemical Name: WASTE 181 OTHER INORGANIC SOLID WASTE
Common Name: EVAPORATOR SLUDGE
Case Number: Not reported

Record ID: DEH2002-HUPFP-108394
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HWAST-0152221
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2019-07-10T02:30:46.000
Chemical Name: WASTE 121 ALKALINE SOLUTION WITH METALS
Common Name: LARGE STEEL PROCESS LINE NAOH/HCL RINSE DISCHARGE
Case Number: Not reported

Record ID: DEH2002-HUPFP-108394
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HWAST-0152222
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2019-07-10T02:30:46.000
Chemical Name: WASTE 121 ALKALINE SOLUTION WITH METALS
Common Name: SMALL STAINLESS STEEL PROCESS LINE SODIUM METASILICATE RINSE DISCHARGE
Case Number: Not reported

Record ID: DEH2002-HUPFP-108394
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HWAST-0152223
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2019-07-10T02:30:46.000
Chemical Name: WASTE 121 ALKALINE SOLUTION WITH METALS
Common Name: SMALL STEEL PROCESS LINE SODIUM METASILICATE RINSE DISCHARGE
Case Number: Not reported

Record ID: DEH2002-HUPFP-108394
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HWAST-0152224
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2019-07-10T02:30:46.000
Chemical Name: WASTE 792 LIQUIDS WITH PH=2 WITH METALS
Common Name: LARGE STEEL PROCESS LINE SODIUM METASILICATE RINSE DISCHARGE
Case Number: Not reported

Record ID: DEH2002-HUPFP-108394
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HWAST-0152225

BLACK OXIDE SERVICE, INC (Continued) **1000172866**

Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2019-07-10T02:30:46.000
Chemical Name: WASTE 141 OFF-SPECIFICATION, AGED, OR SURPLUS INORGANICS
Common Name: SODIUM NITRITE
Case Number: Not reported

Record ID: DEH2002-HUPFP-108394
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2016-HCHEM-0117426
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2017-06-10T02:30:46.000
Chemical Name: HYDROCHLORIC (MURIATIC) ACID
Common Name: HYDROCHLORIC (MURIATIC) ACID
Case Number: 7647-01-0

Record ID: DEH2002-HUPFP-108394
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2016-HCHEM-0117427
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2017-06-10T02:30:46.000
Chemical Name: SODIUM HYDROXIDE/SODIUM NITRATE
Common Name: BLACK MAGIC SSL
Case Number: MIXTURE

Record ID: DEH2002-HUPFP-108394
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2016-HCHEM-0117428
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2017-06-10T02:30:46.000
Chemical Name: SODIUM HYDROXIDE/SODIUM NITRATE/SODIUM NITRITE
Common Name: BLACK MAGIC INFUSION POWDER
Case Number: MIXTURE

Record ID: DEH2002-HUPFP-108394
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2016-HCHEM-0117429
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2017-06-10T02:30:46.000
Chemical Name: SODIUM METASILICATE
Common Name: MI CLEAN 14
Case Number: MIXTURE

Record ID: DEH2002-HUPFP-108394
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2016-HCHEM-0117430
Trade Secret: N
Hazardous Material Type: Pure

BLACK OXIDE SERVICE, INC (Continued) **1000172866**

Last Updated: 2017-06-10T02:30:46.000
Chemical Name: PETROLEUM SOLVENT/OIL BLEND
Common Name: DEOLENE ANTI-RUST 250 (OLYMPUS RUST)
Case Number: 8052-41-3

Record ID: DEH2002-HUPFP-108394
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2016-HCHEM-0117431
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2017-06-10T02:30:46.000
Chemical Name: MACHINE COOLANT
Common Name: HOCUT 795 B MACHINE COOLANT
Case Number: MIXTURE

Record ID: DEH2002-HUPFP-108394
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2016-HCHEM-0117432
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2017-06-10T02:30:46.000
Chemical Name: OXYGEN COMPRESSED GAS
Common Name: OXYGEN COMPRESSED GAS
Case Number: 7782-44-7

Record ID: DEH2002-HUPFP-108394
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2016-HCHEM-0117433
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2017-06-10T02:30:46.000
Chemical Name: ACETYLENE COMPRESSED GAS
Common Name: ACETYLENE COMPRESSED GAS
Case Number: 74-86-2

Record ID: DEH2002-HUPFP-108394
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2016-HCHEM-0117434
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2017-06-10T02:30:46.000
Chemical Name: ACETONE
Common Name: ACETONE
Case Number: 67-64-1

Record ID: DEH2002-HUPFP-108394
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2016-HCHEM-0117435
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2017-06-10T02:30:46.000
Chemical Name: HYDROCHLORIC (MURIATIC) ACID SOLUTION

BLACK OXIDE SERVICE, INC (Continued) **1000172866**

Common Name: ALL PROCESS LINES HCL TANK SOLUTION
Case Number: MIXTURE

Record ID: DEH2002-HUPFP-108394
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2016-HCHEM-0117436
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2017-06-10T02:30:46.000
Chemical Name: BLACK MAGIC INFUSION POWDER SOLUTION
Common Name: LARGE PROCESS LINE NAOH TANK SOLUTION
Case Number: MIXTURE

Record ID: DEH2002-HUPFP-108394
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2016-HCHEM-0117437
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2017-06-10T02:30:46.000
Chemical Name: BLACK MAGIC SSL SOLUTION
Common Name: SMALL PROCESS LINES NAOH TANK SOLUTION
Case Number: MIXTURE

Record ID: DEH2002-HUPFP-108394
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2016-HCHEM-0117438
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2017-06-10T02:30:46.000
Chemical Name: SODIUM METASILICATE SOLUTION
Common Name: ALL PROCESS LINES SODIUM METASILICATE SOLUTION
Case Number: MIXTURE

Record ID: DEH2002-HUPFP-108394
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2016-HWAST-0098790
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2017-06-10T02:30:46.000
Chemical Name: WASTE 172 METAL DUST & MACHINING WASTE
Common Name: METAL DUST/BLAST WASTE W/PB
Case Number: Not reported

Record ID: DEH2002-HUPFP-108394
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2016-HWAST-0098791
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2017-06-10T02:30:46.000
Chemical Name: WASTE 181 OTHER INORGANIC SOLID WASTE
Common Name: EVAPORATOR SLUDGE
Case Number: Not reported

BLACK OXIDE SERVICE, INC (Continued) **1000172866**

Record ID: DEH2002-HUPFP-108394
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HCHEM-0261121
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2020-12-18T01:49:17.000
Chemical Name: HYDROCHLORIC (MURIATIC) ACID
Common Name: HYDROCHLORIC (MURIATIC) ACID
Case Number: 7647-01-0

Record ID: DEH2002-HUPFP-108394
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HWAST-0232357
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2020-12-18T01:49:17.000
Chemical Name: WASTE 135 UNSPECIFIED AQUEOUS SOLUTION
Common Name: SAFETY-KLEEN PARTS WASHER WASTE
Case Number: Not reported

Record ID: DEH2002-HUPFP-108394
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0177692
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2019-07-10T02:30:46.000
Chemical Name: SODIUM METASILICATE SOLUTION
Common Name: ALL PROCESS LINES SODIUM METASILICATE SOLUTION
Case Number: MIXTURE

Record ID: DEH2002-HUPFP-108394
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0177693
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2019-07-10T02:30:46.000
Chemical Name: BLACK MAGIC SSL SOLUTION
Common Name: SMALL PROCESS LINES NAOH TANK SOLUTION
Case Number: MIXTURE

Record ID: DEH2002-HUPFP-108394
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0177699
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2019-07-10T02:30:46.000
Chemical Name: MACHINE COOLANT
Common Name: HOCUT 795 B MACHINE COOLANT
Case Number: MIXTURE

Record ID: DEH2002-HUPFP-108394
Permit Status: Permit Renewed

BLACK OXIDE SERVICE, INC (Continued) **1000172866**

Active Permit: Y
Child Record Id: DEH2018-HCHEM-0177700
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2019-07-10T02:30:46.000
Chemical Name: PETROLEUM SOLVENT/OIL BLEND
Common Name: DEOLENE ANTI-RUST 250 (OLYMPUS RUST)
Case Number: 8052-41-3

Record ID: DEH2002-HUPFP-108394
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0177701
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2019-07-10T02:30:46.000
Chemical Name: SODIUM METASILICATE
Common Name: MI CLEAN 14
Case Number: MIXTURE

Record ID: DEH2002-HUPFP-108394
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0177702
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2019-07-10T02:30:46.000
Chemical Name: SODIUM HYDROXIDE/SODIUM NITRATE/SODIUM NITRITE
Common Name: BLACK MAGIC INFUSION POWDER
Case Number: MIXTURE

Record ID: DEH2002-HUPFP-108394
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0177703
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2019-07-10T02:30:46.000
Chemical Name: SODIUM HYDROXIDE/SODIUM NITRATE
Common Name: BLACK MAGIC SSL
Case Number: MIXTURE

Record ID: DEH2002-HUPFP-108394
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0177704
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2019-07-10T02:30:46.000
Chemical Name: HYDROCHLORIC (MURIATIC) ACID
Common Name: HYDROCHLORIC (MURIATIC) ACID
Case Number: 7647-01-0

Record ID: DEH2002-HUPFP-108394
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HWAST-0152219

BLACK OXIDE SERVICE, INC (Continued) **1000172866**

Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2019-07-10T02:30:46.000
Chemical Name: WASTE 121 ALKALINE SOLUTION WITH METALS
Common Name: SMALL STAINLESS STEEL PROCESS LINE NAOH/HCL RINSE DISCHARGE
Case Number: Not reported

Record ID: DEH2002-HUPFP-108394
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HWAST-0152220
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2019-07-10T02:30:46.000
Chemical Name: WASTE 121 ALKALINE SOLUTION WITH METALS
Common Name: SMALL STEEL PROCESS LINE NAOH/HCL RINSE DISCHARGE
Case Number: Not reported

Record ID: DEH2002-HUPFP-108394
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HWAST-0152226
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2019-07-10T02:30:46.000
Chemical Name: WASTE 135 UNSPECIFIED AQUEOUS SOLUTION
Common Name: SAFETY-KLEEN PARTS WASHER WASTE
Case Number: Not reported

Record ID: DEH2002-HUPFP-108394
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HWAST-0152228
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2019-07-10T02:30:46.000
Chemical Name: WASTE 172 METAL DUST & MACHINING WASTE
Common Name: METAL DUST/BLAST WASTE W/PB
Case Number: Not reported

Record ID: DEH2002-HUPFP-108394
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HCHEM-0261122
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2020-12-18T01:49:17.000
Chemical Name: SODIUM HYDROXIDE/SODIUM NITRATE
Common Name: BLACK MAGIC SSL
Case Number: MIXTURE

Record ID: DEH2002-HUPFP-108394
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HCHEM-0261123
Trade Secret: N
Hazardous Material Type: Mixture

BLACK OXIDE SERVICE, INC (Continued) **1000172866**

Last Updated: 2020-12-18T01:49:17.000
Chemical Name: SODIUM HYDROXIDE/SODIUM NITRATE/SODIUM NITRITE
Common Name: BLACK MAGIC INFUSION POWDER
Case Number: MIXTURE

Record ID: DEH2002-HUPFP-108394
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HCHEM-0261124
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2020-12-18T01:49:17.000
Chemical Name: SODIUM METASILICATE
Common Name: MI CLEAN 14
Case Number: MIXTURE

Record ID: DEH2002-HUPFP-108394
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HCHEM-0261125
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2020-12-18T01:49:17.000
Chemical Name: PETROLEUM SOLVENT/OIL BLEND
Common Name: DEOLENE ANTI-RUST 250 (OLYMPUS RUST)
Case Number: 8052-41-3

Record ID: DEH2002-HUPFP-108394
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HCHEM-0261126
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2020-12-18T01:49:17.000
Chemical Name: MACHINE COOLANT
Common Name: HOCUT 795 B MACHINE COOLANT
Case Number: MIXTURE

Record ID: DEH2002-HUPFP-108394
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HCHEM-0261127
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2020-12-18T01:49:17.000
Chemical Name: OXYGEN COMPRESSED GAS
Common Name: OXYGEN COMPRESSED GAS
Case Number: 7782-44-7

Record ID: DEH2002-HUPFP-108394
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HCHEM-0261128
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2020-12-18T01:49:17.000
Chemical Name: ACETYLENE COMPRESSED GAS

BLACK OXIDE SERVICE, INC (Continued) **1000172866**

Common Name: ACETYLENE COMPRESSED GAS
Case Number: 74-86-2

Record ID: DEH2002-HUPFP-108394
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HCHEM-0261129
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2020-12-18T01:49:17.000
Chemical Name: ACETONE
Common Name: ACETONE
Case Number: 67-64-1

Record ID: DEH2002-HUPFP-108394
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HCHEM-0261130
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2020-12-18T01:49:17.000
Chemical Name: HYDROCHLORIC (MURIATIC) ACID SOLUTION
Common Name: ALL PROCESS LINES HCL TANK SOLUTION
Case Number: MIXTURE

Record ID: DEH2002-HUPFP-108394
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HCHEM-0261131
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2020-12-18T01:49:17.000
Chemical Name: BLACK MAGIC INFUSION POWDER SOLUTION
Common Name: LARGE PROCESS LINE NAOH TANK SOLUTION
Case Number: MIXTURE

Record ID: DEH2002-HUPFP-108394
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HCHEM-0261132
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2020-12-18T01:49:17.000
Chemical Name: BLACK MAGIC SSL SOLUTION
Common Name: SMALL PROCESS LINES NAOH TANK SOLUTION
Case Number: MIXTURE

Record ID: DEH2002-HUPFP-108394
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HCHEM-0261133
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2020-12-18T01:49:17.000
Chemical Name: SODIUM METASILICATE SOLUTION
Common Name: ALL PROCESS LINES SODIUM METASILICATE SOLUTION
Case Number: MIXTURE

BLACK OXIDE SERVICE, INC (Continued) **1000172866**

Record ID: DEH2002-HUPFP-108394
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HWAST-0232355
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2020-12-18T01:49:17.000
Chemical Name: WASTE 172 METAL DUST & MACHINING WASTE
Common Name: METAL DUST/BLAST WASTE W/PB
Case Number: Not reported

Record ID: DEH2002-HUPFP-108394
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HWAST-0232356
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2020-12-18T01:49:17.000
Chemical Name: WASTE 181 OTHER INORGANIC SOLID WASTE
Common Name: EVAPORATOR SLUDGE
Case Number: Not reported

Record ID: DEH2002-HUPFP-108394
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0177695
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2019-07-10T02:30:46.000
Chemical Name: HYDROCHLORIC (MURIATIC) ACID SOLUTION
Common Name: ALL PROCESS LINES HCL TANK SOLUTION
Case Number: MIXTURE

Record ID: DEH2002-HUPFP-108394
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0177696
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2019-07-10T02:30:46.000
Chemical Name: ACETONE
Common Name: ACETONE
Case Number: 67-64-1

Record ID: DEH2002-HUPFP-108394
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2021-HCHEM-0283789
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2021-08-25T02:34:19.000
Chemical Name: ACETONE
Common Name: ACETONE
Case Number: 67-64-1

Record ID: DEH2002-HUPFP-108394
Permit Status: Permit Renewed

BLACK OXIDE SERVICE, INC (Continued) **1000172866**

Active Permit: Y
Child Record Id: DEH2021-HCHEM-0283781
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2021-08-25T02:34:19.000
Chemical Name: HYDROCHLORIC (MURIATIC) ACID
Common Name: HYDROCHLORIC (MURIATIC) ACID
Case Number: 7647-01-0

Record ID: DEH2002-HUPFP-108394
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2021-HCHEM-0283782
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2021-08-25T02:34:19.000
Chemical Name: SODIUM HYDROXIDE/SODIUM NITRATE
Common Name: BLACK MAGIC SSL
Case Number: MIXTURE

Record ID: DEH2002-HUPFP-108394
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2021-HCHEM-0283783
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2021-08-25T02:34:19.000
Chemical Name: SODIUM HYDROXIDE/SODIUM NITRATE/SODIUM NITRITE
Common Name: BLACK MAGIC INFUSION POWDER
Case Number: MIXTURE

Record ID: DEH2002-HUPFP-108394
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2021-HCHEM-0283784
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2021-08-25T02:34:19.000
Chemical Name: SODIUM METASILICATE
Common Name: MI CLEAN 14
Case Number: MIXTURE

Record ID: DEH2002-HUPFP-108394
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2021-HCHEM-0283785
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2021-08-25T02:34:19.000
Chemical Name: PETROLEUM SOLVENT/OIL BLEND
Common Name: DEOLENE ANTI-RUST 250 (OLYMPUS RUST)
Case Number: 8052-41-3

Record ID: DEH2002-HUPFP-108394
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2021-HCHEM-0283786

BLACK OXIDE SERVICE, INC (Continued) **1000172866**

Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2021-08-25T02:34:19.000
Chemical Name: MACHINE COOLANT
Common Name: HOCUT 795 B MACHINE COOLANT
Case Number: MIXTURE

Record ID: DEH2002-HUPFP-108394
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2021-HCHEM-0283787
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2021-08-25T02:34:19.000
Chemical Name: OXYGEN COMPRESSED GAS
Common Name: OXYGEN COMPRESSED GAS
Case Number: 7782-44-7

Record ID: DEH2002-HUPFP-108394
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2021-HCHEM-0283788
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2021-08-25T02:34:19.000
Chemical Name: ACETYLENE COMPRESSED GAS
Common Name: ACETYLENE COMPRESSED GAS
Case Number: 74-86-2

Record ID: DEH2002-HUPFP-108394
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2021-HCHEM-0283790
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2021-08-25T02:34:19.000
Chemical Name: HYDROCHLORIC (MURIATIC) ACID SOLUTION
Common Name: ALL PROCESS LINES HCL TANK SOLUTION
Case Number: MIXTURE

Record ID: DEH2002-HUPFP-108394
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2021-HCHEM-0283791
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2021-08-25T02:34:19.000
Chemical Name: BLACK MAGIC INFUSION POWDER SOLUTION
Common Name: LARGE PROCESS LINE NAOH TANK SOLUTION
Case Number: MIXTURE

Record ID: DEH2002-HUPFP-108394
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2021-HCHEM-0283792
Trade Secret: N
Hazardous Material Type: Mixture

BLACK OXIDE SERVICE, INC (Continued) **1000172866**

Last Updated:	2021-08-25T02:34:19.000
Chemical Name:	BLACK MAGIC SSL SOLUTION
Common Name:	SMALL PROCESS LINES NAOH TANK SOLUTION
Case Number:	MIXTURE
Record ID:	DEH2002-HUPFP-108394
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2021-HCHEM-0283793
Trade Secret:	N
Hazardous Material Type:	Mixture
Last Updated:	2021-08-25T02:34:19.000
Chemical Name:	SODIUM METASILICATE SOLUTION
Common Name:	ALL PROCESS LINES SODIUM METASILICATE SOLUTION
Case Number:	MIXTURE
Record ID:	DEH2002-HUPFP-108394
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2021-HWAST-0252630
Trade Secret:	N
Hazardous Material Type:	Not reported
Last Updated:	2021-08-25T02:34:19.000
Chemical Name:	WASTE 172 METAL DUST & MACHINING WASTE
Common Name:	METAL DUST/BLAST WASTE W/PB
Case Number:	Not reported
Record ID:	DEH2002-HUPFP-108394
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2021-HWAST-0252631
Trade Secret:	N
Hazardous Material Type:	Not reported
Last Updated:	2021-08-25T02:34:19.000
Chemical Name:	WASTE 181 OTHER INORGANIC SOLID WASTE
Common Name:	EVAPORATOR SLUDGE
Case Number:	Not reported
Record ID:	DEH2002-HUPFP-108394
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2021-HWAST-0252632
Trade Secret:	N
Hazardous Material Type:	Not reported
Last Updated:	2021-08-25T02:34:19.000
Chemical Name:	WASTE 135 UNSPECIFIED AQUEOUS SOLUTION
Common Name:	SAFETY-KLEEN PARTS WASHER WASTE
Case Number:	Not reported

Name:	BLACK OXIDE SERVICE, INC
Address:	1070 LINDA VISTA DR
City,State,Zip:	SAN MARCOS, CA 92078
Permit Number:	108394
Business Type:	6HK50
EPA Id Number:	CAD981425952
APN:	219-152-63-00

BLACK OXIDE SERVICE, INC (Continued) **1000172866**

Last HMMD Inspection: 08/03/2012
Facility Telephone: 760-744-8692
Permit Status: OPEN
Permit Expiration: 06/30/2013
Date Last Updated: 11/02/2012
Facility Owner: ADELA SLIVNIK
Facility Mailing Address: 1070 LINDA VISTA DR
Facility Mailing City: SAN MARCOS
Facility Mailing State: CA
Facility Mailing Zip: 92078
UST Owner: Not reported
Handle Regulated Hazmat: Y
Own Or Operate UST: Not reported
Subject To APSA: Not reported
Generate Haz Waste: Y
Treat Haz Waste: Not reported
Generate Medical Waste: Not reported

Inventory Active Permits (not SQG Medical):
Permit Number: 108394
Update Date: 11/02/2012
Case Number: 74-86-2
Name: ACETYLENE COMPRESSED GAS 7)
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: PRESSURE RELEASE

Permit Number: 108394
Update Date: 11/02/2012
Case Number: 14216-75-2
Name: BLACK OXIDE TANK (NICKEL PENTRATE
Other Information: & WATER) : NICKEL NITRATE
Material Waste: Material
Hazardous Categories 1: ACUTE
Hazardous Categories 2: Not reported

Permit Number: 108394
Update Date: 11/02/2012
Case Number: Not reported
Name: CARCINOGENS &/OR REPRODUCTIVE TOXINS
Other Information: BELOW STATE DISCLOSURE AMTS ARE/MAY BE ON SITE
Material Waste: Not reported
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 108394
Update Date: 11/02/2012
Case Number: MIXTURE
Name: HD SOLUBLE OIL S-45 (WATER SOLUBLE
Other Information: COOLANT)-55 GAL DRUMS & PROCESS EQUIPMEN
Material Waste: Material
Hazardous Categories 1: ACUTE
Hazardous Categories 2: Not reported

Permit Number: 108394
Update Date: 11/02/2012
Case Number: 7647-01-0

BLACK OXIDE SERVICE, INC (Continued) **1000172866**

Name: HYDROCHLORIC ACID (MURIATIC ACID)
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: ACUTE
Hazardous Categories 2: Not reported

Permit Number: 108394
Update Date: 11/02/2012
Case Number: 108-88-3
Name: LACQUER THINNER:
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: CHRONIC

Permit Number: 108394
Update Date: 11/02/2012
Case Number: 7697-37-2
Name: NITRIC ACID 40%
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: ACUTE
Hazardous Categories 2: Not reported

Permit Number: 108394
Update Date: 11/02/2012
Case Number: 7782-44-7
Name: OXYGEN COMPRESSED GAS
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: PRESSURE RELEASE

Permit Number: 108394
Update Date: 11/02/2012
Case Number: 8002-05-9
Name: SAE 15W - 40 MOTOR OIL/RUST PROOF OIL & PE EQUIPMENT
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: ACUTE

Permit Number: 108394
Update Date: 11/02/2012
Case Number: 1310-73-2
Name: SODIUM HYDROXIDE ALKALINE METAL
Other Information: CLEANER SODIUM METASILICATE (CAS#6834-92-0)
Material Waste: Material
Hazardous Categories 1: ACUTE
Hazardous Categories 2: Not reported

Permit Number: 108394
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 172 METAL DUST & MACHINING WASTE
Other Information: METAL DUST/BLAST WASTE W/PB (181)
Material Waste: Waste

BLACK OXIDE SERVICE, INC (Continued) **1000172866**

Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 108394
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 181 INORGANIC SOLID WASTE (OTHER)
Other Information: EVAPORATOR SLUDGE
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 108394
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 214 UNSPEC SOLVENT MIXTURE
Other Information: ACETONE/MEK
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Violations Active Permits:
Permit Number: 108394
Update Date: 11/02/2012
Inspection Date: 10/04/2007
Violation Code: 6HV1009
Violation: HMBP: INADEQUATE SITE MAP
Violation Citation: Business Plan does not have a site map which provides sufficient or complete information for emergency response agencies. HSC 25509(a)(5) & 25505(a)(2)
Activity: ACTIVE

Permit Number: 108394
Update Date: 11/02/2012
Inspection Date: 10/04/2007
Violation Code: 6HV0227
Violation: HAZWASTE TANK/CONTAINER W/O LABEL/DATE
Violation Citation: Failed to properly label/date hazardous waste container &/or tank. 66262.34(f)
Activity: ACTIVE

Permit Number: 108394
Update Date: 11/02/2012
Inspection Date: 09/28/2004
Violation Code: 6HV0131
Violation: UPF Permit NOT OBTAINED for HAZWASTE
Violation Citation: A Unified Program Facility permit has not been obtained for the generation of hazardous waste. 68.905
Activity: ACTIVE

Permit Number: 108394
Update Date: 11/02/2012
Inspection Date: 09/28/2004
Violation Code: 6HV0142
Violation: DID NOT NOTIFY OF TIERED PERMITTING
Violation Citation: TIERED PERMITTING: Facility has failed to notify local CUPA and DTSC of eligible onsite treatment of hazardous waste. 25201(a)

BLACK OXIDE SERVICE, INC (Continued) **1000172866**

Activity:	ACTIVE
Permit Number:	108394
Update Date:	11/02/2012
Inspection Date:	09/28/2004
Violation Code:	6HV0202
Violation:	WASTE CONTAINER W/O LABELS
Violation Citation:	Hazardous waste containers &/or tanks are missing labels, accumulation date and/or are improperly labeled. CCR 66262.34(a)(2); 66262.34(a)(3) & 66262.34(f)
Activity:	ACTIVE
Permit Number:	108394
Update Date:	11/02/2012
Inspection Date:	09/28/2004
Violation Code:	6HV1601
Violation:	HAZWASTE TANKS W/O P.E. ASSESSMENT
Violation Citation:	Failed to obtain a P.E. assessment for hazardous waste tank system. 66265.191(a) or 66265.192(a)
Activity:	ACTIVE
Permit Number:	108394
Update Date:	11/02/2012
Inspection Date:	09/28/2004
Violation Code:	6HV1001
Violation:	NO UPF PERMIT FOR HAZMATS
Violation Citation:	A Unified Program Facility permit has not been obtained for hazardous materials. 68.905
Activity:	ACTIVE
Permit Number:	108394
Update Date:	11/02/2012
Inspection Date:	07/22/2010
Violation Code:	6HV1001
Violation:	NO UPF PERMIT FOR HAZMATS
Violation Citation:	A Unified Program Facility permit has not been obtained for hazardous materials. 68.905
Activity:	ACTIVE
Permit Number:	108394
Update Date:	11/02/2012
Inspection Date:	07/22/2010
Violation Code:	6HV1008
Violation:	NO ANNUAL CARC/REPRO TOXIN LIST TO HMD
Violation Citation:	Annual carcinogen and reproductive toxin list not submitted to HMD. 68.1113(c)
Activity:	ACTIVE
Permit Number:	108394
Update Date:	11/02/2012
Inspection Date:	07/22/2010
Violation Code:	6HV1009
Violation:	HMBP: INADEQUATE SITE MAP
Violation Citation:	Business Plan does not have a site map which provides sufficient or complete information for emergency response agencies. HSC 25509(a)(5) & 25505(a)(2)
Activity:	ACTIVE

BLACK OXIDE SERVICE, INC (Continued) **1000172866**

Permit Number:	108394
Update Date:	11/02/2012
Inspection Date:	07/22/2010
Violation Code:	6HV0304
Violation:	WASTE DETERMINATION NOT MADE
Violation Citation:	Generator of a waste has not determined if that waste is a hazardous waste as defined by law. CCR 66262.11 & 66260.200(c)
Activity:	ACTIVE

Permit Number:	108394
Update Date:	11/02/2012
Inspection Date:	07/22/2010
Violation Code:	6HV0216
Violation:	HAZMATS WITHOUT PROPER LABELS
Violation Citation:	Hazardous materials have not been adequately labeled within 10 days & are now declared hazardous waste. HSC 25124(b)(3)(A) & 66262.34(f)
Activity:	ACTIVE

Permit Number:	108394
Update Date:	11/02/2012
Inspection Date:	07/22/2010
Violation Code:	6HV0225
Violation:	ACCUMULATED HW>180 OR >270 DAYS
Violation Citation:	Accumulated waste too long (>180 or 270 days). 66262.34(d), CFR 262.34(e)&(f), &/or 25201(a) [>90 days for AHW waste]
Activity:	ACTIVE

Permit Number:	108394
Update Date:	11/02/2012
Inspection Date:	07/22/2010
Violation Code:	6HV0227
Violation:	HAZWASTE TANK/CONTAINER W/O LABEL/DATE
Violation Citation:	Failed to properly label/date hazardous waste container &/or tank. 66262.34(f)
Activity:	ACTIVE

Permit Number:	108394
Update Date:	11/02/2012
Inspection Date:	07/22/2010
Violation Code:	6HV0228
Violation:	CONTAINER NOT KEPT CLOSED
Violation Citation:	Failed to keep container closed. CFR 265.173
Activity:	ACTIVE

Permit Number:	108394
Update Date:	11/02/2012
Inspection Date:	07/22/2010
Violation Code:	6HV0407
Violation:	EMPLOYEE TRAINING NOT ADEQUATE
Violation Citation:	Employee training program for small quantity generator of hazardous waste is inadequate. CFR 262.34(d)(5)(iii)
Activity:	ACTIVE

Permit Number:	108394
Update Date:	11/02/2012
Inspection Date:	03/15/2006
Violation Code:	6HV0227

BLACK OXIDE SERVICE, INC (Continued) **1000172866**

Violation: HAZWASTE TANK/CONTAINER W/O LABEL/DATE
Violation Citation: Failed to properly label/date hazardous waste container &/or tank. 66262.34(f)
Activity: ACTIVE

Permit Number: 108394
Update Date: 11/02/2012
Inspection Date: 03/15/2006
Violation Code: 6HV0216
Violation: HAZMATS WITHOUT PROPER LABELS
Violation Citation: Hazardous materials have not been adequately labeled within 10 days & are now declared hazardous waste. HSC 25124(b)(3)(A) & 66262.34(f)
Activity: ACTIVE

Permit Number: 108394
Update Date: 11/02/2012
Inspection Date: 08/03/2012
Violation Code: 6HV1018
Violation: INVENTORY INCOMPLETE/NOT AMENDED
Violation Citation: Inventory not amended for 100% increase of hazardous material onsite or inventory is incomplete. 25509, 25510
Activity: ACTIVE

Permit Number: 108394
Update Date: 11/02/2012
Inspection Date: 08/03/2012
Violation Code: 6HV0227
Violation: HAZWASTE TANK/CONTAINER W/O LABEL/DATE
Violation Citation: Failed to properly label/date hazardous waste container &/or tank. 66262.34(f)
Activity: ACTIVE

Permit Number: 108394
Update Date: 11/02/2012
Inspection Date: 08/03/2012
Violation Code: 6HV0225
Violation: ACCUMULATED HW>180 OR >270 DAYS
Violation Citation: Accumulated waste too long (>180 or 270 days). 66262.34(d), CFR 262.34(e)&(f), &/or 25201(a) [>90 days for AHW waste]
Activity: ACTIVE

CERS HAZ WASTE:
Name: BLACK OXIDE SERVICE, INC
Address: 1070 LINDA VISTA DR
City,State,Zip: SAN MARCOS, CA 92078
Site ID: 12583
CERS ID: 10375882
CERS Description: Hazardous Waste Generator

CERS:
Name: BLACK OXIDE SERVICE, INC
Address: 1070 LINDA VISTA DR
City,State,Zip: SAN MARCOS, CA 92078
Site ID: 12583
CERS ID: 881456

BLACK OXIDE SERVICE, INC (Continued) **1000172866**

CERS Description: Industrial Facility Storm Water

Violations:

Site ID: 12583
Site Name: BLACK OXIDE SERVICE, INC
Violation Date: 07-31-2016
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description: Failure to complete and electronically submit a site map with all required content.
Violation Notes: Returned to compliance on 10/18/2016. Inspection Sequence ID:5538344
Violation Division: San Diego County Department of Env Health
Violation Program: HMRRP
Violation Source: CERS,

Site ID: 12583
Site Name: BLACK OXIDE SERVICE, INC
Violation Date: 07-31-2016
Citation: 22 CCR 12 66262.34(f) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.34(f)
Violation Description: Failure to properly label hazardous waste accumulation containers and portable tanks with the following requirements: "Hazardous Waste", name and address of the generator, physical and chemical characteristics of the Hazardous Waste, and starting accumulation date.
Violation Notes: Returned to compliance on 08/08/2016. Inspection Sequence ID:5538344
Violation Division: San Diego County Department of Env Health
Violation Program: HW
Violation Source: CERS,

Site ID: 12583
Site Name: BLACK OXIDE SERVICE, INC
Violation Date: 07-31-2016
Citation: 22 CCR 12 66262.11 - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.11
Violation Description: Failure to determine if wastes generated are hazardous waste by using generator knowledge or applying testing method.
Violation Notes: Returned to compliance on 02/27/2018. Inspection Sequence ID:5538344
Violation Division: San Diego County Department of Env Health
Violation Program: HW
Violation Source: CERS,

Site ID: 12583
Site Name: BLACK OXIDE SERVICE, INC
Violation Date: 07-31-2016
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description: Failure to complete and electronically submit hazardous material inventory information for all reportable hazardous materials on site at or above reportable quantities.
Violation Notes: Returned to compliance on 10/18/2016. Inspection Sequence ID:5538344
Violation Division: San Diego County Department of Env Health
Violation Program: HMRRP
Violation Source: CERS,

Site ID: 12583
Site Name: BLACK OXIDE SERVICE, INC
Violation Date: 07-31-2016

BLACK OXIDE SERVICE, INC (Continued) **1000172866**

Citation:	HSC 6.95 Multiple - California Health and Safety Code, Chapter 6.95, Section(s) Multiple
Violation Description:	Business Plan Program - Administration/Documentation - General
Violation Notes:	Returned to compliance on 08/08/2016. Inspection Sequence ID:5538344;Violation:HMD1001 Unified Program Facility permit not obtained for hazardous materials. SDCC 68.905
Violation Division:	San Diego County Department of Env Health
Violation Program:	HMRRP
Violation Source:	CERS,
Site ID:	12583
Site Name:	BLACK OXIDE SERVICE, INC
Violation Date:	07-27-2018
Citation:	HSC 6.5 25201(a) - California Health and Safety Code, Chapter 6.5, Section(s) 25201(a)
Violation Description:	Failure of a storage facility, treatment facility, transfer facility, resource recovery facility, or disposal site to accept, treat, store, or dispose of a hazardous waste at the facility, area, or site, without a hazardous waste facilities permit or other grant of authorization from the department, or a permit-by-rule, conditional authorization, or conditional exemption permit from the CUPA.
Violation Notes:	Returned to compliance on 02/08/2019. Container
Violation Division:	San Diego County Department of Env Health
Violation Program:	PBR
Violation Source:	CERS,

Evaluation:

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	01-16-2015
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Inspector: Chairs Michelle Inspection ID:4095842
Eval Division:	San Diego County Department of Env Health
Eval Program:	HMRRP
Eval Source:	CERS,
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	07-27-2018
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Inspector: Thai Darren Inspection ID:5959676
Eval Division:	San Diego County Department of Env Health
Eval Program:	HMRRP
Eval Source:	CERS,
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	07-31-2016
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Inspector: Griffith Gary Inspection ID:5538344
Eval Division:	San Diego County Department of Env Health
Eval Program:	HW
Eval Source:	CERS,
Eval General Type:	Other/Unknown
Eval Date:	02-08-2019
Violations Found:	No

BLACK OXIDE SERVICE, INC (Continued) **1000172866**

Eval Type:	Other, not routine, done by local agency
Eval Notes:	Inspector: Thai Darren Inspection ID:6172622
Eval Division:	San Diego County Department of Env Health
Eval Program:	HW
Eval Source:	CERS,
Eval General Type:	Other/Unknown
Eval Date:	04-10-2018
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	Inspector: Griffith Gary Inspection ID:5944313
Eval Division:	San Diego County Department of Env Health
Eval Program:	HWLQG
Eval Source:	CERS,
Eval General Type:	Other/Unknown
Eval Date:	05-13-2020
Violations Found:	No
Eval Type:	Construction Storm Water Compliance Evaluation
Eval Notes:	Met with Monica: advised on NEC permit requirements because observed some activity of materials being transferred from main building to the adjacent building, which might violate NEC cert.
Eval Division:	Water Boards
Eval Program:	INDSTW
Eval Source:	SMARTS,
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	07-27-2018
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Inspector: Thai Darren Inspection ID:5959676
Eval Division:	San Diego County Department of Env Health
Eval Program:	HW
Eval Source:	CERS,
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	12-16-2020
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Inspector: Thai Darren Inspection ID:6484671
Eval Division:	San Diego County Department of Env Health
Eval Program:	HMRRP
Eval Source:	CERS,
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	01-16-2015
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Inspector: Chairs Michelle Inspection ID:4095842
Eval Division:	San Diego County Department of Env Health
Eval Program:	HW
Eval Source:	CERS,
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	07-27-2018
Violations Found:	Yes
Eval Type:	Routine done by local agency

BLACK OXIDE SERVICE, INC (Continued) **1000172866**

Eval Notes: Inspector: Thai Darren Inspection ID:5959676
Eval Division: San Diego County Department of Env Health
Eval Program: PBR
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 04-10-2018
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Inspector: Griffith Gary Inspection ID:5944313
Eval Division: San Diego County Department of Env Health
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 04-10-2018
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Inspector: Griffith Gary Inspection ID:5944313
Eval Division: San Diego County Department of Env Health
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 07-27-2018
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Inspector: Thai Darren Inspection ID:5959676
Eval Division: San Diego County Department of Env Health
Eval Program: HWLQG
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 07-31-2016
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Inspector: Griffith Gary Inspection ID:5538344
Eval Division: San Diego County Department of Env Health
Eval Program: HMRRP
Eval Source: CERS,

Coordinates:
Site ID: 12583
Facility Name: BLACK OXIDE SERVICE, INC
Env Int Type Code: HWG
Program ID: 10375882
Coord Name: Not reported
Ref Point Type Desc: Center of a facility or station.,
Latitude: 33.138990
Longitude: -117.188560

Affiliation:
Affiliation Type Desc: CUPA District
Entity Name: San Diego County Env Health Qlty
Entity Title: Not reported
Affiliation Address: PO Box 129261

BLACK OXIDE SERVICE, INC (Continued) **1000172866**

Affiliation City:	San Diego
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92112-9261
Affiliation Phone:	(858) 505-6880,
Affiliation Type Desc:	Legal Owner
Entity Name:	Black Oxide Service, Inc.
Entity Title:	Not reported
Affiliation Address:	1070 Linda Vista Drive
Affiliation City:	San Marcos
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	92078
Affiliation Phone:	(760) 744-8735,
Affiliation Type Desc:	Document Preparer
Entity Name:	Eugene Hotta
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,
Affiliation Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	Not reported
Affiliation Address:	1070 Linda Vista Dr
Affiliation City:	San Marcos
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92078
Affiliation Phone:	,
Affiliation Type Desc:	Identification Signer
Entity Name:	Monica Slivnik
Entity Title:	Office Manager
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,
Affiliation Type Desc:	Parent Corporation
Entity Name:	BLACK OXIDE SERVICE, INC
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,
Affiliation Type Desc:	Property Owner

BLACK OXIDE SERVICE, INC (Continued) **1000172866**

Entity Name:	Slivnik Family Trust
Entity Title:	Not reported
Affiliation Address:	1070 Linda Vista Drive
Affiliation City:	San Marcos
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	92078
Affiliation Phone:	(760) 744-8692,
Affiliation Type Desc:	Environmental Contact
Entity Name:	August Slivnik
Entity Title:	Not reported
Affiliation Address:	1070 Linda Vista Drive
Affiliation City:	San Marcos
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92078
Affiliation Phone:	,
Affiliation Type Desc:	Owner/Operator
Entity Name:	Black Oxide Service Inc
Entity Title:	Operator
Affiliation Address:	1070 Linda Vista Dr
Affiliation City:	San Marcos
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92078
Affiliation Phone:	,
Affiliation Type Desc:	Operator
Entity Name:	August Slivnik
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	(760) 744-8735,

Name:	BLACK OXIDE SERVICE, INC
Address:	1070 LINDA VISTA DR
City,State,Zip:	SAN MARCOS, CA 92078
Site ID:	12583
CERS ID:	10375882
CERS Description:	Chemical Storage Facilities

Violations:

Site ID:	12583
Site Name:	BLACK OXIDE SERVICE, INC
Violation Date:	07-31-2016
Citation:	HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description:	Failure to complete and electronically submit a site map with all required content.
Violation Notes:	Returned to compliance on 10/18/2016. Inspection Sequence ID:5538344
Violation Division:	San Diego County Department of Env Health
Violation Program:	HMRRP

BLACK OXIDE SERVICE, INC (Continued) **1000172866**

Violation Source:	CERS,
Site ID:	12583
Site Name:	BLACK OXIDE SERVICE, INC
Violation Date:	07-31-2016
Citation:	22 CCR 12 66262.34(f) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.34(f)
Violation Description:	Failure to properly label hazardous waste accumulation containers and portable tanks with the following requirements: "Hazardous Waste", name and address of the generator, physical and chemical characteristics of the Hazardous Waste, and starting accumulation date.
Violation Notes:	Returned to compliance on 08/08/2016. Inspection Sequence ID:5538344
Violation Division:	San Diego County Department of Env Health
Violation Program:	HW
Violation Source:	CERS,
Site ID:	12583
Site Name:	BLACK OXIDE SERVICE, INC
Violation Date:	07-31-2016
Citation:	22 CCR 12 66262.11 - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.11
Violation Description:	Failure to determine if wastes generated are hazardous waste by using generator knowledge or applying testing method.
Violation Notes:	Returned to compliance on 02/27/2018. Inspection Sequence ID:5538344
Violation Division:	San Diego County Department of Env Health
Violation Program:	HW
Violation Source:	CERS,
Site ID:	12583
Site Name:	BLACK OXIDE SERVICE, INC
Violation Date:	07-31-2016
Citation:	HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description:	Failure to complete and electronically submit hazardous material inventory information for all reportable hazardous materials on site at or above reportable quantities.
Violation Notes:	Returned to compliance on 10/18/2016. Inspection Sequence ID:5538344
Violation Division:	San Diego County Department of Env Health
Violation Program:	HMRRP
Violation Source:	CERS,
Site ID:	12583
Site Name:	BLACK OXIDE SERVICE, INC
Violation Date:	07-31-2016
Citation:	HSC 6.95 Multiple - California Health and Safety Code, Chapter 6.95, Section(s) Multiple
Violation Description:	Business Plan Program - Administration/Documentation - General
Violation Notes:	Returned to compliance on 08/08/2016. Inspection Sequence ID:5538344;Violation:HMD1001 Unified Program Facility permit not obtained for hazardous materials. SDCC 68.905
Violation Division:	San Diego County Department of Env Health
Violation Program:	HMRRP
Violation Source:	CERS,
Site ID:	12583
Site Name:	BLACK OXIDE SERVICE, INC

BLACK OXIDE SERVICE, INC (Continued) **1000172866**

Violation Date: 07-27-2018
Citation: HSC 6.5 25201(a) - California Health and Safety Code, Chapter 6.5, Section(s) 25201(a)
Violation Description: Failure of a storage facility, treatment facility, transfer facility, resource recovery facility, or disposal site to accept, treat, store, or dispose of a hazardous waste at the facility, area, or site, without a hazardous waste facilities permit or other grant of authorization from the department, or a permit-by-rule, conditional authorization, or conditional exemption permit from the CUPA.
Violation Notes: Returned to compliance on 02/08/2019. Container
Violation Division: San Diego County Department of Env Health
Violation Program: PBR
Violation Source: CERS,

Evaluation:
Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-16-2015
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Inspector: Chairs Michelle Inspection ID:4095842
Eval Division: San Diego County Department of Env Health
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 07-27-2018
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Inspector: Thai Darren Inspection ID:5959676
Eval Division: San Diego County Department of Env Health
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 07-31-2016
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Inspector: Griffith Gary Inspection ID:5538344
Eval Division: San Diego County Department of Env Health
Eval Program: HW
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 02-08-2019
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Inspector: Thai Darren Inspection ID:6172622
Eval Division: San Diego County Department of Env Health
Eval Program: HW
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 04-10-2018
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Inspector: Griffith Gary Inspection ID:5944313
Eval Division: San Diego County Department of Env Health

BLACK OXIDE SERVICE, INC (Continued) **1000172866**

Eval Program: HWLQG
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 05-13-2020
Violations Found: No
Eval Type: Construction Storm Water Compliance Evaluation
Eval Notes: Met with Monica: advised on NEC permit requirements because observed some activity of materials being transferred from main building to the adjacent building, which might violate NEC cert.
Eval Division: Water Boards
Eval Program: INDSTW
Eval Source: SMARTS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 07-27-2018
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Inspector: Thai Darren Inspection ID:5959676
Eval Division: San Diego County Department of Env Health
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 12-16-2020
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Inspector: Thai Darren Inspection ID:6484671
Eval Division: San Diego County Department of Env Health
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-16-2015
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Inspector: Chairs Michelle Inspection ID:4095842
Eval Division: San Diego County Department of Env Health
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 07-27-2018
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Inspector: Thai Darren Inspection ID:5959676
Eval Division: San Diego County Department of Env Health
Eval Program: PBR
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 04-10-2018
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Inspector: Griffith Gary Inspection ID:5944313
Eval Division: San Diego County Department of Env Health
Eval Program: HMRRP

BLACK OXIDE SERVICE, INC (Continued) **1000172866**

Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 04-10-2018
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Inspector: Griffith Gary Inspection ID:5944313
Eval Division: San Diego County Department of Env Health
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 07-27-2018
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Inspector: Thai Darren Inspection ID:5959676
Eval Division: San Diego County Department of Env Health
Eval Program: HWLQG
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 07-31-2016
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Inspector: Griffith Gary Inspection ID:5538344
Eval Division: San Diego County Department of Env Health
Eval Program: HMRRP
Eval Source: CERS,

Coordinates:
Site ID: 12583
Facility Name: BLACK OXIDE SERVICE, INC
Env Int Type Code: HWG
Program ID: 10375882
Coord Name: Not reported
Ref Point Type Desc: Center of a facility or station.,
Latitude: 33.138990
Longitude: -117.188560

Affiliation:
Affiliation Type Desc: CUPA District
Entity Name: San Diego County Env Health Qlty
Entity Title: Not reported
Affiliation Address: PO Box 129261
Affiliation City: San Diego
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 92112-9261
Affiliation Phone: (858) 505-6880,

Affiliation Type Desc: Legal Owner
Entity Name: Black Oxide Service, Inc.
Entity Title: Not reported
Affiliation Address: 1070 Linda Vista Drive
Affiliation City: San Marcos
Affiliation State: CA

BLACK OXIDE SERVICE, INC (Continued) **1000172866**

Affiliation Country:	United States
Affiliation Zip:	92078
Affiliation Phone:	(760) 744-8735,
Affiliation Type Desc:	Document Preparer
Entity Name:	Eugene Hotta
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,
Affiliation Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	Not reported
Affiliation Address:	1070 Linda Vista Dr
Affiliation City:	San Marcos
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92078
Affiliation Phone:	,
Affiliation Type Desc:	Identification Signer
Entity Name:	Monica Slivnik
Entity Title:	Office Manager
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,
Affiliation Type Desc:	Parent Corporation
Entity Name:	BLACK OXIDE SERVICE, INC
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,
Affiliation Type Desc:	Property Owner
Entity Name:	Slivnik Family Trust
Entity Title:	Not reported
Affiliation Address:	1070 Linda Vista Drive
Affiliation City:	San Marcos
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	92078
Affiliation Phone:	(760) 744-8692,
Affiliation Type Desc:	Environmental Contact
Entity Name:	August Slivnik
Entity Title:	Not reported

BLACK OXIDE SERVICE, INC (Continued) **1000172866**

Affiliation Address:	1070 Linda Vista Drive
Affiliation City:	San Marcos
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92078
Affiliation Phone:	,
Affiliation Type Desc:	Owner/Operator
Entity Name:	Black Oxide Service Inc
Entity Title:	Operator
Affiliation Address:	1070 Linda Vista Dr
Affiliation City:	San Marcos
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92078
Affiliation Phone:	,
Affiliation Type Desc:	Operator
Entity Name:	August Slivnik
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	(760) 744-8735,

L77 **SIX TO SIX EQUIPMENT RENTALS** **LUST** **S100725940**
WNW **175 VIA VERA CRUZ S** **N/A**
< 1/8 **SAN MARCOS, CA 92069**
0.084 mi.
442 ft. **Site 1 of 13 in cluster L**

Relative: **Lower**

Actual: **540 ft.**

LUST REG 9:

Region:	9
Status:	Case Closed
Case Number:	9UT2954
Local Case:	H02554-002
Substance:	Gasoline
Qty Leaked:	550
Abate Method:	Not reported
Local Agency:	San Diego
How Found:	Tank Closure
How Stopped:	Close Tank
Source:	Unknown
Cause:	Unknown
Lead Agency:	Local Agency
Case Type:	Soil only
Date Found:	10/18/1994
Date Stopped:	10/18/1994
Confirm Date:	/ /
Submit Workplan:	Not reported
Prelim Assess:	10/24/1994
Desc Pollution:	Not reported
Remed Plan:	/ /
Remed Action:	Not reported
Began Monitor:	Not reported

SIX TO SIX EQUIPMENT RENTALS (Continued) **S100725940**

Release Date: 10/18/1994
Enforce Date: 11/10/94
Closed Date: 11/14/96
Enforce Type: SEL
Pilot Program: LOP
Basin Number: 904.52
GW Depth: 8
Beneficial Use: Municipal groundwater use
NPDES Number: Not reported
Priority: 2B
File Dispn: File discarded, case closed
Interim Remedial Actions: Yes
Cleanup and Abatement order Number: Not reported
Waste Discharge Requirement Number: Not reported

L78 **SIX TO SIX EQUIP RENTALS** **LUST** **S102423466**
WNW **175 VIA VERA CRUZ** **SAN DIEGO CO. SAM** **N/A**
< 1/8 **SAN MARCOS, CA 92069** **Cortese**
0.084 mi. **HIST CORTESE**
442 ft. **Site 2 of 13 in cluster L** **SAN DIEGO CO LOP**
CERS

Relative:
Lower

Actual:
540 ft.

LUST:
Name: SIX TO SIX EQUIP RENTALS
Address: 175 VIA VERA CRUZ
City,State,Zip: SAN MARCOS, CA 920692615
Lead Agency: SAN DIEGO COUNTY LOP
Case Type: LUST Cleanup Site
Geo Track: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0607302950
Global Id: T0607302950
Latitude: 33.140797
Longitude: -117.189569
Status: Completed - Case Closed
Status Date: 10/23/1989
Case Worker: Not reported
RB Case Number: 9UT681
Local Agency: Not reported
File Location: Local Agency
Local Case Number: H02554-001
Potential Media Affect: Soil
Potential Contaminants of Concern: Gasoline
Site History: Not reported

LUST:
Global Id: T0607302950
Action Type: Other
Date: 02/24/1987
Action: Leak Began

Global Id: T0607302950
Action Type: Other
Date: 02/24/1987
Action: Leak Reported

Global Id: T0607302950
Action Type: Other
Date: 02/24/1987
Action: Leak Stopped

SIX TO SIX EQUIP RENTALS (Continued) **S102423466**

Global Id: T0607302950
Action Type: Other
Date: 02/24/1987
Action: Leak Discovery

LUST:
Global Id: T0607302950
Status: Open - Case Begin Date
Status Date: 02/24/1987

Global Id: T0607302950
Status: Completed - Case Closed
Status Date: 10/23/1989

Name: SIX TO SIX EQUIP RENTALS
Address: 175 VIA VERA CRUZ
City,State,Zip: SAN MARCOS, CA 920692615
Lead Agency: SAN DIEGO COUNTY LOP
Case Type: LUST Cleanup Site
Geo Track: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0607301721
Global Id: T0607301721
Latitude: 33.140797
Longitude: -117.189569
Status: Completed - Case Closed
Status Date: 11/14/1996
Case Worker: Not reported
RB Case Number: 9UT2954
Local Agency: Not reported
File Location: Local Agency
Local Case Number: H02554-002
Potential Media Affect: Not reported
Potential Contaminants of Concern: Not reported
Site History: Not reported

LUST:
Global Id: T0607301721
Action Type: ENFORCEMENT
Date: 11/10/1994
Action: Notice of Responsibility

Global Id: T0607301721
Action Type: ENFORCEMENT
Date: 11/04/1996
Action: Closure/No Further Action Letter - #H02554-002

Global Id: T0607301721
Action Type: ENFORCEMENT
Date: 11/13/1996
Action: Closure/No Further Action Letter

LUST:
Global Id: T0607301721
Status: Open - Case Begin Date
Status Date: 10/24/1994

Global Id: T0607301721

SIX TO SIX EQUIP RENTALS (Continued) **S102423466**

Status: Completed - Case Closed
Status Date: 11/14/1996

LUST REG 9:
Region: 9
Status: Case Closed
Case Number: 9UT681
Local Case: H02554-001
Substance: Gasoline
Qty Leaked: 0
Abate Method: Excavate and Dispose - remove contaminated soil and dispose in approved site
Local Agency: San Diego
How Found: Tank Closure
How Stopped: Close Tank
Source: Other Source
Cause: Other Cause
Lead Agency: Local Agency
Case Type: Soil only
Date Found: 02/17/1987
Date Stopped: 02/24/1987
Confirm Date: 02/24/1987
Submit Workplan: Not reported
Prelim Assess: 08/20/1987
Desc Pollution: Not reported
Remed Plan: / /
Remed Action: Not reported
Began Monitor: Not reported
Release Date: 02/23/1987
Enforce Date: Not reported
Closed Date: 10/23/89
Enforce Type: Not reported
Pilot Program: LOP
Basin Number: 904.52
GW Depth: Not reported
Beneficial Use: Municipal groundwater use
NPDES Number: Not reported
Priority: Low priority. Priority ranking can change over time.
File Dispn: File discarded, case closed
Interim Remedial Actions: Yes
Cleanup and Abatement order Number: Not reported
Waste Discharge Requirement Number: Not reported

SAN DIEGO CO. SAM:
Name: SIX TO SIX EQUIP RENTALS
Address: 175 VIA VERA CRUZ
City,State,Zip: SAN MARCOS, CA 920692615
Case Number: H02554-002
Agency: DEH Site Assessment & Mitigation
Funding: **LOP - Federal Fund**
Facility Type: Soils Only
Facility Status: Closed Case
Date: 11/14/1996
Date Began: 10/18/1994

SIX TO SIX EQUIP RENTALS (Continued) **S102423466**

Name: SIX TO SIX EQUIP RENTALS
Address: 175 VIA VERA CRUZ
City,State,Zip: SAN MARCOS, CA 920692615
Case Number: H02554-001
Agency: DEH Site Assessment & Mitigation
Funding: **LOP - State Fund**
Facility Type: Soils Only
Facility Status: Closed Case
Date: 10/23/1989
Date Began: 2/24/1987

CORTESE:
Name: SIX TO SIX EQUIP RENTALS
Address: 175 VIA VERA CRUZ
City,State,Zip: SAN MARCOS, CA 920692615
Region: CORTESE
Envirostor Id: Not reported
Global ID: T0607301721
Site/Facility Type: LUST CLEANUP SITE
Cleanup Status: COMPLETED - CASE CLOSED
Status Date: Not reported
Site Code: Not reported
Latitude: Not reported
Longitude: Not reported
Owner: Not reported
Enf Type: Not reported
Swat R: Not reported
Flag: active
Order No: Not reported
Waste Discharge System No: Not reported
Effective Date: Not reported
Region 2: Not reported
WID Id: Not reported
Solid Waste Id No: Not reported
Waste Management Uit Name: Not reported
File Name: Active Open

Name: SIX TO SIX EQUIP RENTALS
Address: 175 VIA VERA CRUZ
City,State,Zip: SAN MARCOS, CA 920692615
Region: CORTESE
Envirostor Id: Not reported
Global ID: T0607302950
Site/Facility Type: LUST CLEANUP SITE
Cleanup Status: COMPLETED - CASE CLOSED
Status Date: Not reported
Site Code: Not reported
Latitude: Not reported
Longitude: Not reported
Owner: Not reported
Enf Type: Not reported
Swat R: Not reported
Flag: active
Order No: Not reported
Waste Discharge System No: Not reported
Effective Date: Not reported
Region 2: Not reported

SIX TO SIX EQUIP RENTALS (Continued) **S102423466**

WID Id: Not reported
Solid Waste Id No: Not reported
Waste Management Uit Name: Not reported
File Name: Active Open

HIST CORTESE:
edr_fname: 6-2-6 EQUIPMENT RENTALS
edr_fadd1: 175 VIA VERA CRUZ
City,State,Zip: SAN MARCOS, CA 92069
Region: CORTESE
Facility County Code: 37
Reg By: LTNKA
Reg Id: 9UT681

edr_fname: SIX TO SIX EQUIPMENT RENT
edr_fadd1: 175 VIA VERA CRUZ
City,State,Zip: SAN MARCOS, CA 92069
Region: CORTESE
Facility County Code: 37
Reg By: LTNKA
Reg Id: 9UT2954

SAN DIEGO CO LOP:
Name: SIX TO SIX EQUIP RENTALS
Address: 175 VIA VERA CRUZ
City,State,Zip: SAN MARCOS, CA 92069-2615
Record ID: DEH1994-LSAM-H02554-002
Record Status: Completed
Opened Date: 10/18/1994
Parcel Number: 219-152-68-00
Case Type: LOP - Local Oversight Program
Historical Name: SIX TO SIX EQUIPMENT RENTALS
SWRCB Global ID: T0607301721
Funding: F - LOP Federal Fund
Lead Agency: DEH/SAM
Lead Agency Date: 10/24/1994
Census Tract: 200.29
Community: San Marcos
Jurisdiction: SAN MARCOS
Watershed Basin Number: 904.52
Water Purveyor: VALLECITOS WATER DISTRICT
Fire Agency: SAN MARCOS FIRE PROT DIST
Latitude: 33.1407836
Longitude: -117.1895993
X MapCoord: 6274062.675
Y MapCoord: 1996156.773

Name: SIX TO SIX EQUIP RENTALS
Address: 175 VIA VERA CRUZ
City,State,Zip: SAN MARCOS, CA 92069-2615
Record ID: DEH1987-LSAM-H02554-001
Record Status: Completed
Opened Date: 02/24/1987
Parcel Number: 219-152-68-00
Case Type: LOP - Local Oversight Program
Historical Name: 6-2-6 RENTALS

SIX TO SIX EQUIP RENTALS (Continued) **S102423466**

SWRCB Global ID:	T0607302950
Funding:	S - LOP State Fund
Lead Agency:	DEH/SAM
Lead Agency Date:	02/24/1987
Census Tract:	200.29
Community:	San Marcos
Jurisdiction:	SAN MARCOS
Watershed Basin Number:	904.52
Water Purveyor:	VALLECITOS WATER DISTRICT
Fire Agency:	SAN MARCOS FIRE PROT DIST
Latitude:	33.1407836
Longitude:	-117.1895993
X MapCoord:	6274062.675
Y MapCoord:	1996156.773

CERS:

Name:	SIX TO SIX EQUIP RENTALS
Address:	175 VIA VERA CRUZ
City,State,Zip:	SAN MARCOS, CA 920692615
Site ID:	226426
CERS ID:	T0607302950
CERS Description:	Leaking Underground Storage Tank Cleanup Site

Name:	SIX TO SIX EQUIP RENTALS
Address:	175 VIA VERA CRUZ
City,State,Zip:	SAN MARCOS, CA 920692615
Site ID:	226426
CERS ID:	T0607301721
CERS Description:	Leaking Underground Storage Tank Cleanup Site

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L79 **SIX TO SIX EQUIP RENTALS** **San Diego Co. HMMD** **S103636325**
WNW **175 S VIA VERA CRUZ** **CERS HAZ WASTE** **N/A**
< 1/8 **SAN MARCOS, CA 92069** **SWEEPS UST**
0.084 mi. **CERS**
442 ft. **Site 3 of 13 in cluster L**

Relative: **Lower**

Actual: **540 ft.**

HMMD SAN DIEGO:

Name:	SIX TO SIX EQUIP RENTALS
Address:	175 S VIA VERA CRUZ
City,State,Zip:	SAN MARCOS, CA 92078
Permit Number:	102554
Business Type:	6HK70
EPA Id Number:	CAL000248479
APN:	219-152-68-00
Last HMMD Inspection:	09/17/2010
Facility Telephone:	760-744-5005
Permit Status:	OPEN
Permit Expiration:	04/30/2013
Date Last Updated:	11/02/2012
Facility Owner:	SIX TO SIX, INC
Facility Mailing Address:	175 S VIA VERA CRUZ
Facility Mailing City:	SAN MARCOS
Facility Mailing State:	CA
Facility Mailing Zip:	92078
UST Owner:	LES LINN
Handle Regulated Hazmat:	Y
Own Or Operate UST:	Not reported

SIX TO SIX EQUIP RENTALS (Continued) **S103636325**

Subject To APSA: Not reported
Generate Haz Waste: Y
Treat Haz Waste: Not reported
Generate Medical Waste: Not reported

Inventory Active Permits (not SQG Medical):
Permit Number: 102554
Update Date: 11/02/2012
Case Number: 7782-44-7
Name: ACETYLENE/OXYGEN (CASH 74-86-2& 7782-44-7)
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: PRESSURE RELEASE
Hazardous Categories 2: Not reported

Permit Number: 102554
Update Date: 11/02/2012
Case Number: 74-98-6
Name: PROPANE COMPRESSED GAS: AVGRD TANK & CYLINDERS
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: PRESSURE RELEASE
Hazardous Categories 2: Not reported

Permit Number: 102554
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 132 AQUEOUS SOL'N WITH METALS
Other Information: PARTS CLEANER
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 102554
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 221 WASTE OIL & MIXED OIL
Other Information: WASTE OIL
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 102554
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 444 USED BATTERIES
Other Information: USED BATTERIES
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 102554
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 888 USED OIL FILTERS
Other Information: USED OIL FILTERS
Material Waste: Waste
Hazardous Categories 1: Not reported

SIX TO SIX EQUIP RENTALS (Continued) **S103636325**

Hazardous Categories 2: Not reported

Violations Active Permits:
Permit Number: 102554
Update Date: 11/02/2012
Inspection Date: 02/20/2007
Violation Code: 6HV0135
Violation: MANIFESTS/RECEIPTS FOR 3 YEARS NOT ONSIT
Violation Citation: Hazardous waste manifests/receipts for 3 years are not maintained onsite to document proper disposal of hazardous waste. CCR 66262.40(a) & 25160.2(b)(3)
Activity: ACTIVE

UST:
UST Name: UNDERGROUND TANK 102554 T001
Last Update: 2012-11-02 14:17:38
Permit Number: 102554
Tank Type: SINGLE WALL
Additional Id: 1 REGULAR LEADED GASOLINE
Capacity Gallons: 550
UST Contents: REGULAR UNLEADED
Other Content Info: REGULAR UNLEADED
Reg Status: REMOVED
Remove Close Date: 1994-10-18 00:00:00
Year Installed: Not reported
Pipe Type: SINGLE WALL
Delivery System: SUCTION
Monitor Code: 05
UST Monitor Method: SW TANK DW PIPE W/ POS SHUTOFF-ALARM ON LLD W/ SIRS:SIR ANALY MONTHLY, TANK TEST BIENNIALLY, PIPE TEST ANN 0.1 G/HR OR MO 0.2 G/HR

UST Name: UNDERGROUND TANK 102554 T002
Last Update: 2012-11-02 14:17:38
Permit Number: 102554
Tank Type: SINGLE WALL
Additional Id: 2 DIESEL
Capacity Gallons: 550
UST Contents: DIESEL
Other Content Info: DIESEL
Reg Status: REMOVED
Remove Close Date: 1994-10-18 00:00:00
Year Installed: Not reported
Pipe Type: SINGLE WALL
Delivery System: SUCTION
Monitor Code: 05
UST Monitor Method: SW TANK DW PIPE W/ POS SHUTOFF-ALARM ON LLD W/ SIRS:SIR ANALY MONTHLY, TANK TEST BIENNIALLY, PIPE TEST ANN 0.1 G/HR OR MO 0.2 G/HR

UST Name: UNDERGROUND TANK 102554 T003
Last Update: 2012-11-02 14:17:38
Permit Number: 102554
Tank Type: SINGLE WALL
Additional Id: 3
Capacity Gallons: 250
UST Contents: Not reported
Other Content Info: WASTE OIL

SIX TO SIX EQUIP RENTALS (Continued) **S103636325**

Reg Status:	REMOVED
Remove Close Date:	1987-01-12 00:00:00
Year Installed:	Not reported
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	90
UST Monitor Method:	NO MONITORING ALTERNATIVE SELECTED. VERIFY AND ENTER MONITORING ALTERNATIVE DURING INSPECTION.

Name:	SIX TO SIX EQUIP RENTALS
Address:	175 S VIA VERA CRUZ
City,State,Zip:	SAN MARCOS, CA 92078
Permit Number:	102554
Business Type:	6HK70
EPA Id Number:	CAL000248479
APN:	219-152-68-00
Last HMMD Inspection:	09/17/2010
Facility Telephone:	760-744-5005
Permit Status:	OPEN
Permit Expiration:	04/30/2013
Date Last Updated:	11/02/2012
Facility Owner:	SIX TO SIX, INC
Facility Mailing Address:	175 S VIA VERA CRUZ
Facility Mailing City:	SAN MARCOS
Facility Mailing State:	CA
Facility Mailing Zip:	92078
UST Owner:	LES LINN
Handle Regulated Hazmat:	Y
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Y
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

Inventory Active Permits (not SQG Medical):

Permit Number:	102554
Update Date:	11/02/2012
Case Number:	7782-44-7
Name:	ACETYLENE/OXYGEN (CASH 74-86-2& 7782-44-7)
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	PRESSURE RELEASE
Hazardous Categories 2:	Not reported

Permit Number:	102554
Update Date:	11/02/2012
Case Number:	74-98-6
Name:	PROPANE COMPRESSED GAS: AVGRD TANK & CYLINDERS
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	PRESSURE RELEASE
Hazardous Categories 2:	Not reported

Permit Number:	102554
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 132 AQUEOUS SOL'N WITH METALS

SIX TO SIX EQUIP RENTALS (Continued) **S103636325**

Other Information: PARTS CLEANER
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 102554
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 221 WASTE OIL & MIXED OIL
Other Information: WASTE OIL
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 102554
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 444 USED BATTERIES
Other Information: USED BATTERIES
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 102554
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 888 USED OIL FILTERS
Other Information: USED OIL FILTERS
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Violations Active Permits:
Permit Number: 102554
Update Date: 11/02/2012
Inspection Date: 02/20/2007
Violation Code: 6HV0135
Violation: MANIFESTS/RECEIPTS FOR 3 YEARS NOT ONSIT
Violation Citation: Hazardous waste manifests/receipts for 3 years are not maintained onsite to document proper disposal of hazardous waste. CCR 66262.40(a) & 25160.2(b)(3)
Activity: ACTIVE

UST:
UST Name: UNDERGROUND TANK 102554 T001
Last Update: 2012-11-02 14:17:38
Permit Number: 102554
Tank Type: SINGLE WALL
Additional Id: 1 REGULAR LEADED GASOLINE
Capacity Gallons: 550
UST Contents: REGULAR UNLEADED
Other Content Info: REGULAR UNLEADED
Reg Status: REMOVED
Remove Close Date: 1994-10-18 00:00:00
Year Installed: Not reported
Pipe Type: SINGLE WALL

SIX TO SIX EQUIP RENTALS (Continued) **S103636325**

Delivery System:	SUCTION
Monitor Code:	05
UST Monitor Method:	SW TANK DW PIPE W/ POS SHUTOFF-ALARM ON LLD W/ SIRS:SIR ANALY MONTHLY, TANK TEST BIENNIALLY, PIPE TEST ANN 0.1 G/HR OR MO 0.2 G/HR
UST Name:	UNDERGROUND TANK 102554 T002
Last Update:	2012-11-02 14:17:38
Permit Number:	102554
Tank Type:	SINGLE WALL
Additional Id:	2 DIESEL
Capacity Gallons:	550
UST Contents:	DIESEL
Other Content Info:	DIESEL
Reg Status:	REMOVED
Remove Close Date:	1994-10-18 00:00:00
Year Installed:	Not reported
Pipe Type:	SINGLE WALL
Delivery System:	SUCTION
Monitor Code:	05
UST Monitor Method:	SW TANK DW PIPE W/ POS SHUTOFF-ALARM ON LLD W/ SIRS:SIR ANALY MONTHLY, TANK TEST BIENNIALLY, PIPE TEST ANN 0.1 G/HR OR MO 0.2 G/HR
UST Name:	UNDERGROUND TANK 102554 T003
Last Update:	2012-11-02 14:17:38
Permit Number:	102554
Tank Type:	SINGLE WALL
Additional Id:	3
Capacity Gallons:	250
UST Contents:	Not reported
Other Content Info:	WASTE OIL
Reg Status:	REMOVED
Remove Close Date:	1987-01-12 00:00:00
Year Installed:	Not reported
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	90
UST Monitor Method:	NO MONITORING ALTERNATIVE SELECTED. VERIFY AND ENTER MONITORING ALTERNATIVE DURING INSPECTION.
Name:	SIX TO SIX EQUIP RENTALS
Address:	175 S VIA VERA CRUZ
City,State,Zip:	SAN MARCOS, CA 92078
Permit Number:	102554
Business Type:	6HK70
EPA Id Number:	CAL000248479
APN:	219-152-68-00
Last HMMD Inspection:	09/17/2010
Facility Telephone:	760-744-5005
Permit Status:	OPEN
Permit Expiration:	04/30/2013
Date Last Updated:	11/02/2012
Facility Owner:	SIX TO SIX, INC
Facility Mailing Address:	175 S VIA VERA CRUZ
Facility Mailing City:	SAN MARCOS
Facility Mailing State:	CA
Facility Mailing Zip:	92078

SIX TO SIX EQUIP RENTALS (Continued) **S103636325**

UST Owner: LES LINN
Handle Regulated Hazmat: Y
Own Or Operate UST: Not reported
Subject To APSA: Not reported
Generate Haz Waste: Y
Treat Haz Waste: Not reported
Generate Medical Waste: Not reported

Inventory Active Permits (not SQG Medical):
Permit Number: 102554
Update Date: 11/02/2012
Case Number: 7782-44-7
Name: ACETYLENE/OXYGEN (CASH 74-86-2& 7782-44-7)
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: PRESSURE RELEASE
Hazardous Categories 2: Not reported

Permit Number: 102554
Update Date: 11/02/2012
Case Number: 74-98-6
Name: PROPANE COMPRESSED GAS: AVGRD TANK & CYLINDERS
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: PRESSURE RELEASE
Hazardous Categories 2: Not reported

Permit Number: 102554
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 132 AQUEOUS SOL'N WITH METALS
Other Information: PARTS CLEANER
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 102554
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 221 WASTE OIL & MIXED OIL
Other Information: WASTE OIL
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 102554
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 444 USED BATTERIES
Other Information: USED BATTERIES
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 102554
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 888 USED OIL FILTERS

SIX TO SIX EQUIP RENTALS (Continued) **S103636325**

Other Information: USED OIL FILTERS
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Violations Active Permits:
Permit Number: 102554
Update Date: 11/02/2012
Inspection Date: 02/20/2007
Violation Code: 6HV0135
Violation: MANIFESTS/RECEIPTS FOR 3 YEARS NOT ONSIT
Violation Citation: Hazardous waste manifests/receipts for 3 years are not maintained onsite to document proper disposal of hazardous waste. CCR 66262.40(a) & 25160.2(b)(3)
Activity: ACTIVE

UST:
UST Name: UNDERGROUND TANK 102554 T001
Last Update: 2012-11-02 14:17:38
Permit Number: 102554
Tank Type: SINGLE WALL
Additional Id: 1 REGULAR LEADED GASOLINE
Capacity Gallons: 550
UST Contents: REGULAR UNLEADED
Other Content Info: REGULAR UNLEADED
Reg Status: REMOVED
Remove Close Date: 1994-10-18 00:00:00
Year Installed: Not reported
Pipe Type: SINGLE WALL
Delivery System: SUCTION
Monitor Code: 05
UST Monitor Method: SW TANK DW PIPE W/ POS SHUTOFF-ALARM ON LLD W/ SIRS:SIR ANALY MONTHLY, TANK TEST BIENNIALLY, PIPE TEST ANN 0.1 G/HR OR MO 0.2 G/HR

UST Name: UNDERGROUND TANK 102554 T002
Last Update: 2012-11-02 14:17:38
Permit Number: 102554
Tank Type: SINGLE WALL
Additional Id: 2 DIESEL
Capacity Gallons: 550
UST Contents: DIESEL
Other Content Info: DIESEL
Reg Status: REMOVED
Remove Close Date: 1994-10-18 00:00:00
Year Installed: Not reported
Pipe Type: SINGLE WALL
Delivery System: SUCTION
Monitor Code: 05
UST Monitor Method: SW TANK DW PIPE W/ POS SHUTOFF-ALARM ON LLD W/ SIRS:SIR ANALY MONTHLY, TANK TEST BIENNIALLY, PIPE TEST ANN 0.1 G/HR OR MO 0.2 G/HR

UST Name: UNDERGROUND TANK 102554 T003
Last Update: 2012-11-02 14:17:38
Permit Number: 102554
Tank Type: SINGLE WALL
Additional Id: 3

SIX TO SIX EQUIP RENTALS (Continued) **S103636325**

Capacity Gallons: 250
UST Contents: Not reported
Other Content Info: WASTE OIL
Reg Status: REMOVED
Remove Close Date: 1987-01-12 00:00:00
Year Installed: Not reported
Pipe Type: Not reported
Delivery System: Not reported
Monitor Code: 90
UST Monitor Method: NO MONITORING ALTERNATIVE SELECTED. VERIFY AND ENTER MONITORING ALTERNATIVE DURING INSPECTION.

CERS HAZ WASTE:
Name: SIX TO SIX EQUIP RENTALS
Address: 175 S VIA VERA CRUZ
City,State,Zip: SAN MARCOS, CA 92069
Site ID: 402292
CERS ID: 10375906
CERS Description: Hazardous Waste Generator

SWEEPS UST:
Name: SIX TO SIX EQUIP RENTALS
Address: 175 S VIA VERA CRUZ
City: SAN MARCOS
Status: Not reported
Comp Number: 2554
Number: Not reported
Board Of Equalization: 44-021704
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 37-000-002554-000003
Tank Status: Not reported
Capacity: 250
Active Date: Not reported
Tank Use: PETROLEUM
STG: WASTE
Content: Not reported
Number Of Tanks: 1

Name: SIX TO SIX EQUIP RENTALS
Address: 175 S VIA VERA CRUZ
City: SAN MARCOS
Status: Active
Comp Number: 2554
Number: 9
Board Of Equalization: 44-021704
Referral Date: Not reported
Action Date: 06-26-92
Created Date: 02-29-88
Owner Tank Id: Not reported
SWRCB Tank Id: 37-000-002554-000001
Tank Status: A
Capacity: 550

SIX TO SIX EQUIP RENTALS (Continued) **S103636325**

Active Date: Not reported
Tank Use: M.V. FUEL
STG: P
Content: LEADED
Number Of Tanks: 2

Name: SIX TO SIX EQUIP RENTALS
Address: 175 S VIA VERA CRUZ
City: SAN MARCOS
Status: Active
Comp Number: 2554
Number: 9
Board Of Equalization: 44-021704
Referral Date: Not reported
Action Date: 06-26-92
Created Date: 02-29-88
Owner Tank Id: Not reported
SWRCB Tank Id: 37-000-002554-000002
Tank Status: A
Capacity: 550
Active Date: Not reported
Tank Use: M.V. FUEL
STG: P
Content: OTHER
Number Of Tanks: Not reported

CERS:
Name: SIX TO SIX EQUIP RENTALS
Address: 175 S VIA VERA CRUZ
City,State,Zip: SAN MARCOS, CA 92069
Site ID: 402292
CERS ID: 10375906
CERS Description: Chemical Storage Facilities

Violations:
Site ID: 402292
Site Name: SIX TO SIX EQUIP RENTALS
Violation Date: 12-08-2016
Citation: HSC 6.95 25505(a)(4) - California Health and Safety Code, Chapter 6.95, Section(s) 25505(a)(4)
Violation Description: Failure to provide initial and annual training to all employees in safety procedures in the event of a release or threatened release of a hazardous material or failure to document and maintain training records for a minimum of three years.
Violation Notes: Returned to compliance on 12/21/2016.
Violation Division: San Diego County Department of Env Health
Violation Program: HMRRP
Violation Source: CERS,

Site ID: 402292
Site Name: SIX TO SIX EQUIP RENTALS
Violation Date: 12-04-2018
Citation: HSC 6.95 25505(a)(4) - California Health and Safety Code, Chapter 6.95, Section(s) 25505(a)(4)
Violation Description: Failure to provide initial and annual training to all employees in safety procedures in the event of a release or threatened release of a hazardous material or failure to document and maintain training

SIX TO SIX EQUIP RENTALS (Continued) **S103636325**

records for a minimum of three years.
Violation Notes: Returned to compliance on 12/04/2018. Inspection Sequence ID:6060082
Violation Division: San Diego County Department of Env Health
Violation Program: HMRRP
Violation Source: CERS,

Site ID: 402292
Site Name: SIX TO SIX EQUIP RENTALS
Violation Date: 12-04-2018
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description: Failure to annually review and electronically certify that the business plan is complete and accurate on or before the annual due date.
Violation Notes: Returned to compliance on 01/18/2019. Inspection Sequence ID:6060082
Violation Division: San Diego County Department of Env Health
Violation Program: HMRRP
Violation Source: CERS,

Site ID: 402292
Site Name: SIX TO SIX EQUIP RENTALS
Violation Date: 12-08-2016
Citation: 22 CCR 12 66262.12 - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.12
Violation Description: Failure to obtain an Identification Number prior to treating, storing, disposing of, transporting or offering for transportation any hazardous waste.
Violation Notes: Returned to compliance on 12/13/2016.
Violation Division: San Diego County Department of Env Health
Violation Program: HW
Violation Source: CERS,

Site ID: 402292
Site Name: SIX TO SIX EQUIP RENTALS
Violation Date: 12-08-2016
Citation: HSC 6.5 25250.22 - California Health and Safety Code, Chapter 6.5, Section(s) 25250.22
Violation Description: Failure to properly manage used oil and/or fuel filters in accordance with the requirements.
Violation Notes: Returned to compliance on 12/27/2016.
Violation Division: San Diego County Department of Env Health
Violation Program: HW
Violation Source: CERS,

Evaluation:
Eval General Type: Compliance Evaluation Inspection
Eval Date: 12-22-2020
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Inspector: Valdez Kevin Inspection ID:6573402
Eval Division: San Diego County Department of Env Health
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 08-03-2021
Violations Found: No

SIX TO SIX EQUIP RENTALS (Continued) **S103636325**

Eval Type: Routine done by local agency
Eval Notes: Inspector: Valdez Kevin Inspection ID:6783998
Eval Division: San Diego County Department of Env Health
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 10-16-2014
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Inspector: Beacon Ellen Inspection ID:5138545
Eval Division: San Diego County Department of Env Health
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 10-16-2014
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Inspector: Beacon Ellen Inspection ID:5138545
Eval Division: San Diego County Department of Env Health
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 12-04-2018
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Inspector: Kieu Bridget Inspection ID:6060082
Eval Division: San Diego County Department of Env Health
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 12-08-2016
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Inspector: Zmily Zanalee Inspection ID:5528882
Eval Division: San Diego County Department of Env Health
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 12-08-2016
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Inspector: Zmily Zanalee Inspection ID:5528882
Eval Division: San Diego County Department of Env Health
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 12-04-2018
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Inspector: Kieu Bridget Inspection ID:6060082
Eval Division: San Diego County Department of Env Health

SIX TO SIX EQUIP RENTALS (Continued) **S103636325**

Eval Program: HMRRP
Eval Source: CERS,

Affiliation:
Affiliation Type Desc: Facility Mailing Address
Entity Name: Mailing Address
Entity Title: Not reported
Affiliation Address: 175 S VIA VERA CRUZ
Affiliation City: SAN MARCOS
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 92078
Affiliation Phone: ,

Affiliation Type Desc: Identification Signer
Entity Name: LES LINN
Entity Title: PRESIDENT
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Affiliation Type Desc: CUPA District
Entity Name: San Diego County Env Health Qlty
Entity Title: Not reported
Affiliation Address: PO Box 129261
Affiliation City: San Diego
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 92112-9261
Affiliation Phone: (858) 505-6880,

Affiliation Type Desc: Parent Corporation
Entity Name: SIX TO SIX EQUIP RENTALS
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Affiliation Type Desc: Environmental Contact
Entity Name: Les Linn
Entity Title: Not reported
Affiliation Address: 175 S VIA VERA CRUZ
Affiliation City: SAN MARCOS
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 92069
Affiliation Phone: ,

Affiliation Type Desc: Legal Owner
Entity Name: LINN LESLIE P JR REVOCABLE TRUST
Entity Title: Not reported

SIX TO SIX EQUIP RENTALS (Continued) **S103636325**

Affiliation Address:	175 VIA VERA CRUZ
Affiliation City:	SAN MARCOS
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	92078
Affiliation Phone:	(760) 744-5005,
Affiliation Type Desc:	Document Preparer
Entity Name:	Les Linn
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,
Affiliation Type Desc:	Operator
Entity Name:	SIX TO SIX, INC
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	(760) 744-5005,

L80 **SIX TO SIX INC** **RCRA NonGen / NLR** **1024802641**
WNW **175 VIA VERA CRUZ** **CAL000248479**
< 1/8 **SAN MARCOS, CA 92078**
0.084 mi.
442 ft. **Site 4 of 13 in cluster L**

Relative: **Lower**

Actual: **540 ft.**

RCRA Listings:

Date Form Received by Agency:		20020322
Handler Name:	SIX TO SIX INC	
Handler Address:		175 VIA VERA CRUZ
Handler City,State,Zip:		SAN MARCOS, CA 92078-2615
EPA ID:		CAL000248479
Contact Name:		SAUL DE CASAS/MGR
Contact Address:		175 VIA VERA CRUZ
Contact City,State,Zip:		SAN MARCOS, CA 92078
Contact Telephone:		760-744-5005
Contact Fax:		760-744-5067
Contact Email:		SIX-TO-SIX@SBCGLOBAL.NET
Contact Title:		Not reported
EPA Region:		09
Land Type:		Not reported
Federal Waste Generator Description:		Not a generator, verified
Non-Notifier:		Not reported
Biennial Report Cycle:		Not reported
Accessibility:		Not reported
Active Site Indicator:		Handler Activities
State District Owner:		Not reported
State District:		Not reported
Mailing Address:		175 VIA VERA CRUZ
Mailing City,State,Zip:		SAN MARCOS, CA 92078-2615

SIX TO SIX INC (Continued) **1024802641**

Owner Name:	LESLIE P LINN JR TRUST	
Owner Type:		Other
Operator Name:	SAUL DE CASAS/MGR	
Operator Type:		Other
Short-Term Generator Activity:		No
Importer Activity:		No
Mixed Waste Generator:		No
Transporter Activity:		No
Transfer Facility Activity:		No
Recycler Activity with Storage:		No
Small Quantity On-Site Burner Exemption:		No
Smelting Melting and Refining Furnace Exemption:		No
Underground Injection Control:		No
Off-Site Waste Receipt:		No
Universal Waste Indicator:		Yes
Universal Waste Destination Facility:		Yes
Federal Universal Waste:		No
Active Site Fed-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site Converter Treatment storage and Disposal Facility:		Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site State-Reg Handler:		---
Federal Facility Indicator:		Not reported
Hazardous Secondary Material Indicator:		N
Sub-Part K Indicator:		Not reported
Commercial TSD Indicator:		No
Treatment Storage and Disposal Type:		Not reported
2018 GPRA Permit Baseline:		Not on the Baseline
2018 GPRA Renewals Baseline:		Not on the Baseline
Permit Renewals Workload Universe:		Not reported
Permit Workload Universe:		Not reported
Permit Progress Universe:		Not reported
Post-Closure Workload Universe:		Not reported
Closure Workload Universe:		Not reported
202 GPRA Corrective Action Baseline:		No
Corrective Action Workload Universe:		No
Subject to Corrective Action Universe:		No
Non-TSDFs Where RCRA CA has Been Imposed Universe:		No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:		No
TSDFs Only Subject to CA under Discretionary Auth Universe:		No
Corrective Action Priority Ranking:		No NCAPS ranking
Environmental Control Indicator:		No
Institutional Control Indicator:		No
Human Exposure Controls Indicator:		N/A
Groundwater Controls Indicator:		N/A
Operating TSDF Universe:		Not reported
Full Enforcement Universe:		Not reported
Significant Non-Complier Universe:		No
Unaddressed Significant Non-Complier Universe:		No
Addressed Significant Non-Complier Universe:		No
Significant Non-Complier With a Compliance Schedule Universe:		No
Financial Assurance Required:		Not reported
Handler Date of Last Change:		20180905
Recognized Trader-Importer:		No
Recognized Trader-Exporter:		No
Importer of Spent Lead Acid Batteries:		No
Exporter of Spent Lead Acid Batteries:		No
Recycler Activity Without Storage:		No

SIX TO SIX INC (Continued) **1024802641**

Manifest Broker: No
Sub-Part P Indicator: No

Handler - Owner Operator:
Owner/Operator Indicator: Operator
Owner/Operator Name: SAUL DE CASAS/MGR
Legal Status: Other
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: 175 VIA VERA CRUZ
Owner/Operator City,State,Zip: SAN MARCOS, CA 92078
Owner/Operator Telephone: 760-744-5005
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner
Owner/Operator Name: LESLIE P LINN JR TRUST
Legal Status: Other
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: 175 VIA VERA CRUZ
Owner/Operator City,State,Zip: SAN MARCOS, CA 92078-2615
Owner/Operator Telephone: 760-744-5005
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:
Receive Date: 20020322
Handler Name: SIX TO SIX INC
Federal Waste Generator Description: Not a generator, verified
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Code: 23499
NAICS Description: ALL OTHER HEAVY CONSTRUCTION

NAICS Code: 811111
NAICS Description: GENERAL AUTOMOTIVE REPAIR

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

81 SSW < 1/8 0.094 mi. 496 ft. | **LARIOS MOBILE AUTO REPAIR**
1036 COMMERCE ST UNIT E
SAN MARCOS, CA 92078 | **RCRA NonGen / NLR** | **1027218952**
CAL000470842

Relative: Lower
Actual: 540 ft.

RCRA Listings:

Date Form Received by Agency:		20220520
Handler Name:	LARIOS MOBILE AUTO REPAIR	
Handler Address:		1036 COMMERCE ST UNIT E
Handler City,State,Zip:		SAN MARCOS, CA 92078
EPA ID:		CAL000470842
Contact Name:		HELADIO LARIOS
Contact Address:		300 WASHINGTON ST B
Contact City,State,Zip:		VISTA, CA 92084
Contact Telephone:		760-216-9485
Contact Fax:		Not reported
Contact Email:		LARIOSRUNNER@HOTMAIL.COM
Contact Title:		Not reported
EPA Region:		09
Land Type:		Not reported
Federal Waste Generator Description:		Not a generator, verified
Non-Notifier:		Not reported
Biennial Report Cycle:		Not reported
Accessibility:		Not reported
Active Site Indicator:		Not reported
State District Owner:		Not reported
State District:		Not reported
Mailing Address:		300 WASHINGTON ST B
Mailing City,State,Zip:		VISTA, CA 92084
Owner Name:	HELADIO LARIOS	
Owner Type:		Other
Operator Name:	HELADIO LARIOS	
Operator Type:		Other
Short-Term Generator Activity:		No
Importer Activity:		No
Mixed Waste Generator:		No
Transporter Activity:		No
Transfer Facility Activity:		No
Recycler Activity with Storage:		No
Small Quantity On-Site Burner Exemption:		No
Smelting Melting and Refining Furnace Exemption:		No
Underground Injection Control:		No
Off-Site Waste Receipt:		No
Universal Waste Indicator:		No
Universal Waste Destination Facility:		No
Federal Universal Waste:		No
Active Site Fed-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site Converter Treatment storage and Disposal Facility:		Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site State-Reg Handler:		---
Federal Facility Indicator:		Not reported
Hazardous Secondary Material Indicator:		N
Sub-Part K Indicator:		Not reported
Commercial TSD Indicator:		No
Treatment Storage and Disposal Type:		Not reported
2018 GPRA Permit Baseline:		Not on the Baseline
2018 GPRA Renewals Baseline:		Not on the Baseline
Permit Renewals Workload Universe:		Not reported

LARIOS MOBILE AUTO REPAIR (Continued) **1027218952**

Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20220523
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Operator
Owner/Operator Name: HELADIO LARIOS	
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	300 WASHINGTON ST B
Owner/Operator City,State,Zip:	VISTA, CA 92084
Owner/Operator Telephone:	760-216-9485
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Owner
Owner/Operator Name: HELADIO LARIOS	
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	300 WASHINGTON ST B
Owner/Operator City,State,Zip:	VISTA, CA 92084
Owner/Operator Telephone:	760-216-9485
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

LARIOS MOBILE AUTO REPAIR (Continued) **1027218952**

Historic Generators:
- Receive Date: 20220520
- Handler Name: LARIOS MOBILE AUTO REPAIR
- Federal Waste Generator Description: Not a generator, verified
- State District Owner: Not reported
- Large Quantity Handler of Universal Waste: No
- Recognized Trader Importer: No
- Recognized Trader Exporter: No
- Spent Lead Acid Battery Importer: No
- Spent Lead Acid Battery Exporter: No
- Current Record: Yes
- Non Storage Recycler Activity: No
- Electronic Manifest Broker: No

List of NAICS Codes and Descriptions:
- NAICS Code: 811111
- NAICS Description: GENERAL AUTOMOTIVE REPAIR

Facility Has Received Notices of Violations:
- Violations: No Violations Found

Evaluation Action Summary:
- Evaluations: No Evaluations Found

M82 **AMISTAR** **RCRA-SQG** **1000387986**
West **237 VIA VERA CRUZ** **San Diego Co. HMMD** **CAD982470445**
< 1/8 **SAN MARCOS, CA 92078** **CERS HAZ WASTE**
0.097 mi. **FINDS**
510 ft. **Site 1 of 2 in cluster M** **ECHO**
HAZNET
Relative: **NPDES**
Lower **CIWQS**
Actual: **CERS**
540 ft. **HWTS**

RCRA Listings:
- Date Form Received by Agency: 19880914
- Handler Name: AMISTAR
- Handler Address: 237 VIA VERA CRUZ
- Handler City,State,Zip: SAN MARCOS, CA 92069
- EPA ID: CAD982470445
- Contact Name: ENVIRONMENTAL MANAGER
- Contact Address: 237 VIA VERA CRUZ
- Contact City,State,Zip: SAN MARCOS, CA 92069
- Contact Telephone: 619-741-1700
- Contact Fax: Not reported
- Contact Email: Not reported
- Contact Title: Not reported
- EPA Region: 09
- Land Type: Other
- Federal Waste Generator Description: Small Quantity Generator
- Non-Notifier: Not reported
- Biennial Report Cycle: Not reported
- Accessibility: Not reported
- Active Site Indicator: Handler Activities

AMISTAR (Continued) **1000387986**

State District Owner:		CA
State District:		4
Mailing Address:		237 VIA VERRA CRUZ
Mailing City,State,Zip:		SAN MARCOS, CA 92069
Owner Name:	CORPORATION	
Owner Type:		Private
Operator Name:	NOT REQUIRED	
Operator Type:		Private
Short-Term Generator Activity:		No
Importer Activity:		No
Mixed Waste Generator:		No
Transporter Activity:		No
Transfer Facility Activity:		No
Recycler Activity with Storage:		No
Small Quantity On-Site Burner Exemption:		No
Smelting Melting and Refining Furnace Exemption:		No
Underground Injection Control:		No
Off-Site Waste Receipt:		No
Universal Waste Indicator:		No
Universal Waste Destination Facility:		No
Federal Universal Waste:		No
Active Site Fed-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site Converter Treatment storage and Disposal Facility:		Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site State-Reg Handler:		---
Federal Facility Indicator:		Not reported
Hazardous Secondary Material Indicator:		NN
Sub-Part K Indicator:		Not reported
Commercial TSD Indicator:		No
Treatment Storage and Disposal Type:		Not reported
2018 GPRA Permit Baseline:		Not on the Baseline
2018 GPRA Renewals Baseline:		Not on the Baseline
Permit Renewals Workload Universe:		Not reported
Permit Workload Universe:		Not reported
Permit Progress Universe:		Not reported
Post-Closure Workload Universe:		Not reported
Closure Workload Universe:		Not reported
202 GPRA Corrective Action Baseline:		No
Corrective Action Workload Universe:		No
Subject to Corrective Action Universe:		No
Non-TSDFs Where RCRA CA has Been Imposed Universe:		No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:		No
TSDFs Only Subject to CA under Discretionary Auth Universe:		No
Corrective Action Priority Ranking:		No NCAPS ranking
Environmental Control Indicator:		No
Institutional Control Indicator:		No
Human Exposure Controls Indicator:		N/A
Groundwater Controls Indicator:		N/A
Operating TSDF Universe:		Not reported
Full Enforcement Universe:		Not reported
Significant Non-Complier Universe:		No
Unaddressed Significant Non-Complier Universe:		No
Addressed Significant Non-Complier Universe:		No
Significant Non-Complier With a Compliance Schedule Universe:		No
Financial Assurance Required:		Not reported
Handler Date of Last Change:		20020627
Recognized Trader-Importer:		No

AMISTAR (Continued) **1000387986**

Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	Not reported
Manifest Broker:	Not reported
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name: CORPORATION	
Legal Status:	Private
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	NOT REQUIRED
Owner/Operator City,State,Zip:	NOT REQUIRED, ME 99999
Owner/Operator Telephone:	415-555-1212
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name: NOT REQUIRED	
Legal Status:	Private
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	NOT REQUIRED
Owner/Operator City,State,Zip:	NOT REQUIRED, ME 99999
Owner/Operator Telephone:	415-555-1212
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	19880914
Handler Name: AMISTAR	
Federal Waste Generator Description:	Small Quantity Generator
State District Owner:	CA
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

List of NAICS Codes and Descriptions:

NAICS Code:	334417
NAICS Description:	ELECTRONIC CONNECTOR MANUFACTURING

Facility Has Received Notices of Violations:

Violations:	No Violations Found

AMISTAR (Continued) **1000387986**

Evaluation Action Summary:
Evaluations: No Evaluations Found

HMMD SAN DIEGO:

Name:	AMISTAR
Address:	237 VIA VERA CRUZ
City,State,Zip:	SAN MARCOS, CA 92078
Permit Number:	128296
Business Type:	6HK35
EPA Id Number:	CAD982470445
APN:	219-152-71-00
Last HMMD Inspection:	11/13/2007
Facility Telephone:	760-471-1700
Permit Status:	INAC
Permit Expiration:	07/31/2008
Date Last Updated:	11/02/2012
Facility Owner:	AMISTAR CORP
Facility Mailing Address:	237 VIA VERA CRUZ
Facility Mailing City:	SAN MARCOS
Facility Mailing State:	CA
Facility Mailing Zip:	92078
UST Owner:	Not reported
Handle Regulated Hazmat:	Y
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Y
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

Violations Inactive Permits:

Permit Number:	128296
Update Date:	11/02/2012
Inspection Date:	10/26/2004
Violation Code:	6HV0133
Violation:	MANIFEST COPY NOT SENT TO DTSC
Violation Citation:	Generator of hazardous waste has not sent the appropriate copy of the manifest to DTSC/Cal-EPA. CCR 66262.23(a)(4)
Activity:	Inactive Permit

Permit Number:	128296
Update Date:	11/02/2012
Inspection Date:	10/26/2004
Violation Code:	6HV0201
Violation:	WASTE CONTAINER NOT CLOSED
Violation Citation:	Hazardous waste containers are not kept closed while in storage. CCR 66265.173(a)
Activity:	Inactive Permit

Permit Number:	128296
Update Date:	11/02/2012
Inspection Date:	10/26/2004
Violation Code:	6HV0202
Violation:	WASTE CONTAINER W/O LABELS
Violation Citation:	Hazardous waste containers &/or tanks are missing labels, accumulation date and/or are improperly labeled. CCR 66262.34(a)(2); 66262.34(a)(3) & 66262.34(f)

AMISTAR (Continued) **1000387986**

Activity:	Inactive Permit
Permit Number:	128296
Update Date:	11/02/2012
Inspection Date:	10/26/2004
Violation Code:	6HV0216
Violation:	HAZMATS WITHOUT PROPER LABELS
Violation Citation:	Hazardous materials have not been adequately labeled within 10 days & are now declared hazardous waste. HSC 25124(b)(3)(A) & 66262.34(f)
Activity:	Inactive Permit
Name:	ONCORE MANUFACTURING SERVICES LLC
Address:	237 VIA VERA CRUZ
City,State,Zip:	SAN MARCOS, CA 92078
Permit Number:	209776
Business Type:	6HK36
EPA Id Number:	CAL000312493
APN:	219-152-71-00
Last HMMD Inspection:	07/14/2010
Facility Telephone:	760-737-6777
Permit Status:	CHNG
Permit Expiration:	03/31/2011
Date Last Updated:	11/02/2012
Facility Owner:	ONCORE MANUFACTURING SERVICES LLC
Facility Mailing Address:	237 VIA VERA CRUZ
Facility Mailing City:	SAN MARCOS
Facility Mailing State:	CA
Facility Mailing Zip:	92078
UST Owner:	Not reported
Handle Regulated Hazmat:	Y
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Y
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported
Name:	ONCORE MANUFACTURING SERVICES LLC
Address:	237 VIA VERA CRUZ
City,State,Zip:	SAN MARCOS, CA 92078
Permit Number:	209776
Business Type:	6HK36
EPA Id Number:	CAL000312493
APN:	219-152-71-00
Last HMMD Inspection:	07/14/2010
Facility Telephone:	760-737-6777
Permit Status:	CHNG
Permit Expiration:	03/31/2011
Date Last Updated:	11/02/2012
Facility Owner:	ONCORE MANUFACTURING SERVICES LLC
Facility Mailing Address:	237 VIA VERA CRUZ
Facility Mailing City:	SAN MARCOS
Facility Mailing State:	CA
Facility Mailing Zip:	92078
UST Owner:	Not reported
Handle Regulated Hazmat:	Y
Own Or Operate UST:	Not reported

AMISTAR (Continued) **1000387986**

Subject To APSA: Not reported
Generate Haz Waste: Y
Treat Haz Waste: Not reported
Generate Medical Waste: Not reported

Name: ONCORE MANUFACTURING SERVICES
Address: 237 VIA VERA CRUZ
City,State,Zip: SAN MARCOS, CA 92078
Permit Number: 213713
Business Type: 6HK36
EPA Id Number: CAL000360819
APN: 219-152-71-00
Last HMMD Inspection: 05/23/2011
Facility Telephone: 760-737-6777
Permit Status: OPEN
Permit Expiration: 03/31/2013
Date Last Updated: 11/02/2012
Facility Owner: CHARLESBANK CAPITAL PARTNERS
Facility Mailing Address: 237 VIA VERA CRUZ
Facility Mailing City: SAN MARCOS
Facility Mailing State: CA
Facility Mailing Zip: 92078
UST Owner: Not reported
Handle Regulated Hazmat: Y
Own Or Operate UST: Not reported
Subject To APSA: Not reported
Generate Haz Waste: Y
Treat Haz Waste: Not reported
Generate Medical Waste: Not reported

Inventory Active Permits (not SQG Medical):
Permit Number: 213713
Update Date: 11/02/2012
Case Number: 68476-34-6
Name: DIESEL FUEL
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: Not reported

Permit Number: 213713
Update Date: 11/02/2012
Case Number: 67-63-0
Name: ISOPROPANOL
Other Information: 425 THINNER
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: CHRONIC

Permit Number: 213713
Update Date: 11/02/2012
Case Number: Not reported
Name: ISOPROPANOL
Other Information: 870-25 FLUX
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: ACUTE

AMISTAR (Continued) **1000387986**

Permit Number:	213713
Update Date:	11/02/2012
Case Number:	67-63-0
Name:	ISOPROPANOL 1219 MIXTURE
Other Information:	959T FLUX
Material Waste:	Material
Hazardous Categories 1:	FIRE
Hazardous Categories 2:	Not reported

Permit Number:	213713
Update Date:	11/02/2012
Case Number:	7727-37-9
Name:	NITROGEN LIQUID
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	PRESSURE RELEASE
Hazardous Categories 2:	CRYOGENIC

Permit Number:	213713
Update Date:	11/02/2012
Case Number:	74-98-6
Name:	PROPANE
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	FIRE
Hazardous Categories 2:	PRESSURE RELEASE

Permit Number:	213713
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 171 METAL SLUDGE
Other Information:	LEAD SOLDER WASTE
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Permit Number:	213713
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 181 INORGANIC SOLID WASTE (OTHER)
Other Information:	LEAD SOLDER PASTE/WIPES WASTE
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Permit Number:	213713
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 181 INORGANIC SOLID WASTE (OTHER)
Other Information:	SOLDER ALLOYS WITH LEAD
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Permit Number:	213713
Update Date:	11/02/2012
Case Number:	Not reported

AMISTAR (Continued) **1000387986**

Name: WASTE 342 ORGANIC LIQUIDS W/METALS
Other Information: SOLDER FLUX/THINNER WASTE
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Violations Active Permits:
Permit Number: 213713
Update Date: 11/02/2012
Inspection Date: 05/23/2011
Violation Code: 6HV1018
Violation: INVENTORY INCOMPLETE/NOT AMENDED
Violation Citation: Inventory not amended for 100% increase of hazardous material onsite or inventory is incomplete. 25509, 25510
Activity: ACTIVE

Permit Number: 213713
Update Date: 11/02/2012
Inspection Date: 05/23/2011
Violation Code: 6HV0304
Violation: WASTE DETERMINATION NOT MADE
Violation Citation: Generator of a waste has not determined if that waste is a hazardous waste as defined by law. CCR 66262.11 & 66260.200(c)
Activity: ACTIVE

Permit Number: 213713
Update Date: 11/02/2012
Inspection Date: 05/23/2011
Violation Code: 6HV0227
Violation: HAZWASTE TANK/CONTAINER W/O LABEL/DATE
Violation Citation: Failed to properly label/date hazardous waste container &/or tank. 66262.34(f)
Activity: ACTIVE

Permit Number: 213713
Update Date: 11/02/2012
Inspection Date: 05/23/2011
Violation Code: 6HV0228
Violation: CONTAINER NOT KEPT CLOSED
Violation Citation: Failed to keep container closed. CFR 265.173
Activity: ACTIVE

Name: ONCORE MANUFACTURING SERVICES
Address: 237 VIA VERA CRUZ
City,State,Zip: SAN MARCOS, CA 92078
Permit Number: 213713
Business Type: 6HK36
EPA Id Number: CAL000360819
APN: 219-152-71-00
Last HMMD Inspection: 05/23/2011
Facility Telephone: 760-737-6777
Permit Status: OPEN
Permit Expiration: 03/31/2013
Date Last Updated: 11/02/2012
Facility Owner: CHARLESBANK CAPITAL PARTNERS
Facility Mailing Address: 237 VIA VERA CRUZ

AMISTAR (Continued) **1000387986**

Facility Mailing City:	SAN MARCOS
Facility Mailing State:	CA
Facility Mailing Zip:	92078
UST Owner:	Not reported
Handle Regulated Hazmat:	Y
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Y
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

Inventory Active Permits (not SQG Medical):

Permit Number:	213713
Update Date:	11/02/2012
Case Number:	68476-34-6
Name:	DIESEL FUEL
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	FIRE
Hazardous Categories 2:	Not reported

Permit Number:	213713
Update Date:	11/02/2012
Case Number:	67-63-0
Name:	ISOPROPANOL
Other Information:	425 THINNER
Material Waste:	Material
Hazardous Categories 1:	FIRE
Hazardous Categories 2:	CHRONIC

Permit Number:	213713
Update Date:	11/02/2012
Case Number:	Not reported
Name:	ISOPROPANOL
Other Information:	870-25 FLUX
Material Waste:	Material
Hazardous Categories 1:	FIRE
Hazardous Categories 2:	ACUTE

Permit Number:	213713
Update Date:	11/02/2012
Case Number:	67-63-0
Name:	ISOPROPANOL 1219 MIXTURE
Other Information:	959T FLUX
Material Waste:	Material
Hazardous Categories 1:	FIRE
Hazardous Categories 2:	Not reported

Permit Number:	213713
Update Date:	11/02/2012
Case Number:	7727-37-9
Name:	NITROGEN LIQUID
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	PRESSURE RELEASE
Hazardous Categories 2:	CRYOGENIC

Permit Number:	213713

AMISTAR (Continued) **1000387986**

Update Date: 11/02/2012
Case Number: 74-98-6
Name: PROPANE
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: PRESSURE RELEASE

Permit Number: 213713
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 171 METAL SLUDGE
Other Information: LEAD SOLDER WASTE
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 213713
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 181 INORGANIC SOLID WASTE (OTHER)
Other Information: LEAD SOLDER PASTE/WIPES WASTE
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 213713
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 181 INORGANIC SOLID WASTE (OTHER)
Other Information: SOLDER ALLOYS WITH LEAD
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 213713
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 342 ORGANIC LIQUIDS W/METALS
Other Information: SOLDER FLUX/THINNER WASTE
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Violations Active Permits:
Permit Number: 213713
Update Date: 11/02/2012
Inspection Date: 05/23/2011
Violation Code: 6HV1018
Violation: INVENTORY INCOMPLETE/NOT AMENDED
Violation Citation: Inventory not amended for 100% increase of hazardous material onsite or inventory is incomplete. 25509, 25510
Activity: ACTIVE

Permit Number: 213713
Update Date: 11/02/2012
Inspection Date: 05/23/2011

AMISTAR (Continued) **1000387986**

Violation Code:	6HV0304
Violation:	WASTE DETERMINATION NOT MADE
Violation Citation:	Generator of a waste has not determined if that waste is a hazardous waste as defined by law. CCR 66262.11 & 66260.200(c)
Activity:	ACTIVE
Permit Number:	213713
Update Date:	11/02/2012
Inspection Date:	05/23/2011
Violation Code:	6HV0227
Violation:	HAZWASTE TANK/CONTAINER W/O LABEL/DATE
Violation Citation:	Failed to properly label/date hazardous waste container &/or tank. 66262.34(f)
Activity:	ACTIVE
Permit Number:	213713
Update Date:	11/02/2012
Inspection Date:	05/23/2011
Violation Code:	6HV0228
Violation:	CONTAINER NOT KEPT CLOSED
Violation Citation:	Failed to keep container closed. CFR 265.173
Activity:	ACTIVE
Name:	ONCORE MANUFACTURING SERVICES
Address:	237 VIA VERA CRUZ
City,State,Zip:	SAN MARCOS, CA 92078
Permit Number:	213713
Business Type:	6HK36
EPA Id Number:	CAL000360819
APN:	219-152-71-00
Last HMMD Inspection:	05/23/2011
Facility Telephone:	760-737-6777
Permit Status:	OPEN
Permit Expiration:	03/31/2013
Date Last Updated:	11/02/2012
Facility Owner:	CHARLESBANK CAPITAL PARTNERS
Facility Mailing Address:	237 VIA VERA CRUZ
Facility Mailing City:	SAN MARCOS
Facility Mailing State:	CA
Facility Mailing Zip:	92078
UST Owner:	Not reported
Handle Regulated Hazmat:	N
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	N
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

Inventory Active Permits (not SQG Medical):

Permit Number:	213713
Update Date:	11/02/2012
Case Number:	68476-34-6
Name:	DIESEL FUEL
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	FIRE
Hazardous Categories 2:	Not reported

AMISTAR (Continued) **1000387986**

Permit Number:	213713
Update Date:	11/02/2012
Case Number:	67-63-0
Name:	ISOPROPANOL
Other Information:	425 THINNER
Material Waste:	Material
Hazardous Categories 1:	FIRE
Hazardous Categories 2:	CHRONIC

Permit Number:	213713
Update Date:	11/02/2012
Case Number:	Not reported
Name:	ISOPROPANOL
Other Information:	870-25 FLUX
Material Waste:	Material
Hazardous Categories 1:	FIRE
Hazardous Categories 2:	ACUTE

Permit Number:	213713
Update Date:	11/02/2012
Case Number:	67-63-0
Name:	ISOPROPANOL 1219 MIXTURE
Other Information:	959T FLUX
Material Waste:	Material
Hazardous Categories 1:	FIRE
Hazardous Categories 2:	Not reported

Permit Number:	213713
Update Date:	11/02/2012
Case Number:	7727-37-9
Name:	NITROGEN LIQUID
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	PRESSURE RELEASE
Hazardous Categories 2:	CRYOGENIC

Permit Number:	213713
Update Date:	11/02/2012
Case Number:	74-98-6
Name:	PROPANE
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	FIRE
Hazardous Categories 2:	PRESSURE RELEASE

Permit Number:	213713
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 171 METAL SLUDGE
Other Information:	LEAD SOLDER WASTE
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Permit Number:	213713
Update Date:	11/02/2012
Case Number:	Not reported

AMISTAR (Continued) **1000387986**

Name:	WASTE 181 INORGANIC SOLID WASTE (OTHER)
Other Information:	LEAD SOLDER PASTE/WIPES WASTE
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported
Permit Number:	213713
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 181 INORGANIC SOLID WASTE (OTHER)
Other Information:	SOLDER ALLOYS WITH LEAD
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported
Permit Number:	213713
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 342 ORGANIC LIQUIDS W/METALS
Other Information:	SOLDER FLUX/THINNER WASTE
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Violations Active Permits:

Permit Number:	213713
Update Date:	11/02/2012
Inspection Date:	05/23/2011
Violation Code:	6HV1018
Violation:	INVENTORY INCOMPLETE/NOT AMENDED
Violation Citation:	Inventory not amended for 100% increase of hazardous material onsite or inventory is incomplete. 25509, 25510
Activity:	ACTIVE
Permit Number:	213713
Update Date:	11/02/2012
Inspection Date:	05/23/2011
Violation Code:	6HV0304
Violation:	WASTE DETERMINATION NOT MADE
Violation Citation:	Generator of a waste has not determined if that waste is a hazardous waste as defined by law. CCR 66262.11 & 66260.200(c)
Activity:	ACTIVE
Permit Number:	213713
Update Date:	11/02/2012
Inspection Date:	05/23/2011
Violation Code:	6HV0227
Violation:	HAZWASTE TANK/CONTAINER W/O LABEL/DATE
Violation Citation:	Failed to properly label/date hazardous waste container &/or tank. 66262.34(f)
Activity:	ACTIVE
Permit Number:	213713
Update Date:	11/02/2012
Inspection Date:	05/23/2011
Violation Code:	6HV0228
Violation:	CONTAINER NOT KEPT CLOSED

AMISTAR (Continued) **1000387986**

Violation Citation: Failed to keep container closed. CFR 265.173
Activity: ACTIVE

Name: ONCORE MANUFACTURING SERVICES
Address: 237 VIA VERA CRUZ
City,State,Zip: SAN MARCOS, CA 92078
Permit Number: 213713
Business Type: 6HK36
EPA Id Number: CAL000360819
APN: 219-152-71-00
Last HMMD Inspection: 05/23/2011
Facility Telephone: 760-737-6777
Permit Status: OPEN
Permit Expiration: 03/31/2013
Date Last Updated: 11/02/2012
Facility Owner: CHARLESBANK CAPITAL PARTNERS
Facility Mailing Address: 237 VIA VERA CRUZ
Facility Mailing City: SAN MARCOS
Facility Mailing State: CA
Facility Mailing Zip: 92078
UST Owner: Not reported
Handle Regulated Hazmat: Y
Own Or Operate UST: Not reported
Subject To APSA: Not reported
Generate Haz Waste: Y
Treat Haz Waste: Not reported
Generate Medical Waste: Not reported

Inventory Active Permits (not SQG Medical):
Permit Number: 213713
Update Date: 11/02/2012
Case Number: 68476-34-6
Name: DIESEL FUEL
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: Not reported

Permit Number: 213713
Update Date: 11/02/2012
Case Number: 67-63-0
Name: ISOPROPANOL
Other Information: 425 THINNER
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: CHRONIC

Permit Number: 213713
Update Date: 11/02/2012
Case Number: Not reported
Name: ISOPROPANOL
Other Information: 870-25 FLUX
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: ACUTE

Permit Number: 213713

AMISTAR (Continued) **1000387986**

Update Date:	11/02/2012
Case Number:	67-63-0
Name:	ISOPROPANOL 1219 MIXTURE
Other Information:	959T FLUX
Material Waste:	Material
Hazardous Categories 1:	FIRE
Hazardous Categories 2:	Not reported
Permit Number:	213713
Update Date:	11/02/2012
Case Number:	7727-37-9
Name:	NITROGEN LIQUID
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	PRESSURE RELEASE
Hazardous Categories 2:	CRYOGENIC
Permit Number:	213713
Update Date:	11/02/2012
Case Number:	74-98-6
Name:	PROPANE
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	FIRE
Hazardous Categories 2:	PRESSURE RELEASE
Permit Number:	213713
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 171 METAL SLUDGE
Other Information:	LEAD SOLDER WASTE
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported
Permit Number:	213713
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 181 INORGANIC SOLID WASTE (OTHER)
Other Information:	LEAD SOLDER PASTE/WIPES WASTE
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported
Permit Number:	213713
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 181 INORGANIC SOLID WASTE (OTHER)
Other Information:	SOLDER ALLOYS WITH LEAD
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported
Permit Number:	213713
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 342 ORGANIC LIQUIDS W/METALS

AMISTAR (Continued) **1000387986**

Other Information:	SOLDER FLUX/THINNER WASTE
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Violations Active Permits:

Permit Number:	213713
Update Date:	11/02/2012
Inspection Date:	05/23/2011
Violation Code:	6HV1018
Violation:	INVENTORY INCOMPLETE/NOT AMENDED
Violation Citation:	Inventory not amended for 100% increase of hazardous material onsite or inventory is incomplete. 25509, 25510
Activity:	ACTIVE

Permit Number:	213713
Update Date:	11/02/2012
Inspection Date:	05/23/2011
Violation Code:	6HV0304
Violation:	WASTE DETERMINATION NOT MADE
Violation Citation:	Generator of a waste has not determined if that waste is a hazardous waste as defined by law. CCR 66262.11 & 66260.200(c)
Activity:	ACTIVE

Permit Number:	213713
Update Date:	11/02/2012
Inspection Date:	05/23/2011
Violation Code:	6HV0227
Violation:	HAZWASTE TANK/CONTAINER W/O LABEL/DATE
Violation Citation:	Failed to properly label/date hazardous waste container &/or tank. 66262.34(f)
Activity:	ACTIVE

Permit Number:	213713
Update Date:	11/02/2012
Inspection Date:	05/23/2011
Violation Code:	6HV0228
Violation:	CONTAINER NOT KEPT CLOSED
Violation Citation:	Failed to keep container closed. CFR 265.173
Activity:	ACTIVE

Name:	ONCORE MANUFACTURING SERVICES
Address:	237 VIA VERA CRUZ
City,State,Zip:	SAN MARCOS, CA 92078
Permit Number:	213713
Business Type:	6HK36
EPA Id Number:	CAL000360819
APN:	219-152-71-00
Last HMMD Inspection:	05/23/2011
Facility Telephone:	760-737-6777
Permit Status:	OPEN
Permit Expiration:	03/31/2013
Date Last Updated:	11/02/2012
Facility Owner:	CHARLESBANK CAPITAL PARTNERS
Facility Mailing Address:	237 VIA VERA CRUZ
Facility Mailing City:	SAN MARCOS

AMISTAR (Continued) **1000387986**

Facility Mailing State:	CA
Facility Mailing Zip:	92078
UST Owner:	Not reported
Handle Regulated Hazmat:	Y
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Y
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

Inventory Active Permits (not SQG Medical):

Permit Number:	213713
Update Date:	11/02/2012
Case Number:	68476-34-6
Name:	DIESEL FUEL
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	FIRE
Hazardous Categories 2:	Not reported

Permit Number:	213713
Update Date:	11/02/2012
Case Number:	67-63-0
Name:	ISOPROPANOL
Other Information:	425 THINNER
Material Waste:	Material
Hazardous Categories 1:	FIRE
Hazardous Categories 2:	CHRONIC

Permit Number:	213713
Update Date:	11/02/2012
Case Number:	Not reported
Name:	ISOPROPANOL
Other Information:	870-25 FLUX
Material Waste:	Material
Hazardous Categories 1:	FIRE
Hazardous Categories 2:	ACUTE

Permit Number:	213713
Update Date:	11/02/2012
Case Number:	67-63-0
Name:	ISOPROPANOL 1219 MIXTURE
Other Information:	959T FLUX
Material Waste:	Material
Hazardous Categories 1:	FIRE
Hazardous Categories 2:	Not reported

Permit Number:	213713
Update Date:	11/02/2012
Case Number:	7727-37-9
Name:	NITROGEN LIQUID
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	PRESSURE RELEASE
Hazardous Categories 2:	CRYOGENIC

Permit Number:	213713
Update Date:	11/02/2012

AMISTAR (Continued) **1000387986**

Case Number: 74-98-6
Name: PROPANE
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: PRESSURE RELEASE

Permit Number: 213713
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 171 METAL SLUDGE
Other Information: LEAD SOLDER WASTE
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 213713
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 181 INORGANIC SOLID WASTE (OTHER)
Other Information: LEAD SOLDER PASTE/WIPES WASTE
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 213713
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 181 INORGANIC SOLID WASTE (OTHER)
Other Information: SOLDER ALLOYS WITH LEAD
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 213713
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 342 ORGANIC LIQUIDS W/METALS
Other Information: SOLDER FLUX/THINNER WASTE
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Violations Active Permits:
Permit Number: 213713
Update Date: 11/02/2012
Inspection Date: 05/23/2011
Violation Code: 6HV1018
Violation: INVENTORY INCOMPLETE/NOT AMENDED
Violation Citation: Inventory not amended for 100% increase of hazardous material onsite or inventory is incomplete. 25509, 25510
Activity: ACTIVE

Permit Number: 213713
Update Date: 11/02/2012
Inspection Date: 05/23/2011
Violation Code: 6HV0304

AMISTAR (Continued) **1000387986**

Violation:	WASTE DETERMINATION NOT MADE
Violation Citation:	Generator of a waste has not determined if that waste is a hazardous waste as defined by law. CCR 66262.11 & 66260.200(c)
Activity:	ACTIVE
Permit Number:	213713
Update Date:	11/02/2012
Inspection Date:	05/23/2011
Violation Code:	6HV0227
Violation:	HAZWASTE TANK/CONTAINER W/O LABEL/DATE
Violation Citation:	Failed to properly label/date hazardous waste container &/or tank. 66262.34(f)
Activity:	ACTIVE
Permit Number:	213713
Update Date:	11/02/2012
Inspection Date:	05/23/2011
Violation Code:	6HV0228
Violation:	CONTAINER NOT KEPT CLOSED
Violation Citation:	Failed to keep container closed. CFR 265.173
Activity:	ACTIVE
Name:	ONCORE MANUFACTURING SERVICES
Address:	237 VIA VERA CRUZ
City,State,Zip:	SAN MARCOS, CA 92078
Permit Number:	213713
Business Type:	6HK36
EPA Id Number:	CAL000360819
APN:	219-152-71-00
Last HMMD Inspection:	05/23/2011
Facility Telephone:	760-737-6777
Permit Status:	OPEN
Permit Expiration:	03/31/2013
Date Last Updated:	11/02/2012
Facility Owner:	CHARLESBANK CAPITAL PARTNERS
Facility Mailing Address:	237 VIA VERA CRUZ
Facility Mailing City:	SAN MARCOS
Facility Mailing State:	CA
Facility Mailing Zip:	92078
UST Owner:	Not reported
Handle Regulated Hazmat:	Y
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Y
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

Inventory Active Permits (not SQG Medical):

Permit Number:	213713
Update Date:	11/02/2012
Case Number:	68476-34-6
Name:	DIESEL FUEL
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	FIRE
Hazardous Categories 2:	Not reported

AMISTAR (Continued) **1000387986**

Permit Number:	213713
Update Date:	11/02/2012
Case Number:	67-63-0
Name:	ISOPROPANOL
Other Information:	425 THINNER
Material Waste:	Material
Hazardous Categories 1:	FIRE
Hazardous Categories 2:	CHRONIC

Permit Number:	213713
Update Date:	11/02/2012
Case Number:	Not reported
Name:	ISOPROPANOL
Other Information:	870-25 FLUX
Material Waste:	Material
Hazardous Categories 1:	FIRE
Hazardous Categories 2:	ACUTE

Permit Number:	213713
Update Date:	11/02/2012
Case Number:	67-63-0
Name:	ISOPROPANOL 1219 MIXTURE
Other Information:	959T FLUX
Material Waste:	Material
Hazardous Categories 1:	FIRE
Hazardous Categories 2:	Not reported

Permit Number:	213713
Update Date:	11/02/2012
Case Number:	7727-37-9
Name:	NITROGEN LIQUID
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	PRESSURE RELEASE
Hazardous Categories 2:	CRYOGENIC

Permit Number:	213713
Update Date:	11/02/2012
Case Number:	74-98-6
Name:	PROPANE
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	FIRE
Hazardous Categories 2:	PRESSURE RELEASE

Permit Number:	213713
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 171 METAL SLUDGE
Other Information:	LEAD SOLDER WASTE
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Permit Number:	213713
Update Date:	11/02/2012
Case Number:	Not reported

AMISTAR (Continued) **1000387986**

Name:	WASTE 181 INORGANIC SOLID WASTE (OTHER)
Other Information:	LEAD SOLDER PASTE/WIPES WASTE
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported
Permit Number:	213713
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 181 INORGANIC SOLID WASTE (OTHER)
Other Information:	SOLDER ALLOYS WITH LEAD
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported
Permit Number:	213713
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 342 ORGANIC LIQUIDS W/METALS
Other Information:	SOLDER FLUX/THINNER WASTE
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Violations Active Permits:

Permit Number:	213713
Update Date:	11/02/2012
Inspection Date:	05/23/2011
Violation Code:	6HV1018
Violation:	INVENTORY INCOMPLETE/NOT AMENDED
Violation Citation:	Inventory not amended for 100% increase of hazardous material onsite or inventory is incomplete. 25509, 25510
Activity:	ACTIVE
Permit Number:	213713
Update Date:	11/02/2012
Inspection Date:	05/23/2011
Violation Code:	6HV0304
Violation:	WASTE DETERMINATION NOT MADE
Violation Citation:	Generator of a waste has not determined if that waste is a hazardous waste as defined by law. CCR 66262.11 & 66260.200(c)
Activity:	ACTIVE
Permit Number:	213713
Update Date:	11/02/2012
Inspection Date:	05/23/2011
Violation Code:	6HV0227
Violation:	HAZWASTE TANK/CONTAINER W/O LABEL/DATE
Violation Citation:	Failed to properly label/date hazardous waste container &/or tank. 66262.34(f)
Activity:	ACTIVE
Permit Number:	213713
Update Date:	11/02/2012
Inspection Date:	05/23/2011
Violation Code:	6HV0228
Violation:	CONTAINER NOT KEPT CLOSED

AMISTAR (Continued) **1000387986**

Violation Citation:	Failed to keep container closed. CFR 265.173
Activity:	ACTIVE
Name:	ONCORE MANUFACTURING SERVICES LLC
Address:	237 VIA VERA CRUZ
City,State,Zip:	SAN MARCOS, CA 92078
Permit Number:	209776
Business Type:	6HK36
EPA Id Number:	CAL000312493
APN:	219-152-71-00
Last HMMD Inspection:	07/14/2010
Facility Telephone:	760-737-6777
Permit Status:	CHNG
Permit Expiration:	03/31/2011
Date Last Updated:	11/02/2012
Facility Owner:	ONCORE MANUFACTURING SERVICES LLC
Facility Mailing Address:	237 VIA VERA CRUZ
Facility Mailing City:	SAN MARCOS
Facility Mailing State:	CA
Facility Mailing Zip:	92078
UST Owner:	Not reported
Handle Regulated Hazmat:	Y
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Y
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported
Name:	ONCORE MANUFACTURING SERVICES LLC
Address:	237 VIA VERA CRUZ
City,State,Zip:	SAN MARCOS, CA 92078
Permit Number:	209776
Business Type:	6HK36
EPA Id Number:	CAL000312493
APN:	219-152-71-00
Last HMMD Inspection:	07/14/2010
Facility Telephone:	760-737-6777
Permit Status:	CHNG
Permit Expiration:	03/31/2011
Date Last Updated:	11/02/2012
Facility Owner:	ONCORE MANUFACTURING SERVICES LLC
Facility Mailing Address:	237 VIA VERA CRUZ
Facility Mailing City:	SAN MARCOS
Facility Mailing State:	CA
Facility Mailing Zip:	92078
UST Owner:	Not reported
Handle Regulated Hazmat:	Y
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Y
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported
Name:	VERITEK MANAFACTURING SERVICES
Address:	237 VIA VERA CRUZ
City,State,Zip:	SAN MARCOS, CA 92078

AMISTAR (Continued) **1000387986**

Permit Number:	207638
Business Type:	6HK36
EPA Id Number:	CAL000312493
APN:	219-152-71-00
Last HMMD Inspection:	07/24/2007
Facility Telephone:	760-737-6777
Permit Status:	CHNG
Permit Expiration:	12/31/2008
Date Last Updated:	11/02/2012
Facility Owner:	VERITEK MFG SERVICES, LLC
Facility Mailing Address:	237 VIA VERA CRUZ
Facility Mailing City:	SAN MARCOS
Facility Mailing State:	CA
Facility Mailing Zip:	92078
UST Owner:	Not reported
Handle Regulated Hazmat:	Y
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Y
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

Name:	ONCORE MANUFACTURING SERVICES LLC
Address:	237 VIA VERA CRUZ
City,State,Zip:	SAN MARCOS, CA 92078
Permit Number:	209776
Business Type:	6HK36
EPA Id Number:	CAL000312493
APN:	219-152-71-00
Last HMMD Inspection:	07/14/2010
Facility Telephone:	760-737-6777
Permit Status:	CHNG
Permit Expiration:	03/31/2011
Date Last Updated:	11/02/2012
Facility Owner:	ONCORE MANUFACTURING SERVICES LLC
Facility Mailing Address:	237 VIA VERA CRUZ
Facility Mailing City:	SAN MARCOS
Facility Mailing State:	CA
Facility Mailing Zip:	92078
UST Owner:	Not reported
Handle Regulated Hazmat:	N
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	N
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

Name:	ONCORE MANUFACTURING SERVICES LLC
Address:	237 VIA VERA CRUZ
City,State,Zip:	SAN MARCOS, CA 92078
Permit Number:	209776
Business Type:	6HK36
EPA Id Number:	CAL000312493
APN:	219-152-71-00
Last HMMD Inspection:	07/14/2010
Facility Telephone:	760-737-6777
Permit Status:	CHNG

AMISTAR (Continued) **1000387986**

Permit Expiration:	03/31/2011
Date Last Updated:	11/02/2012
Facility Owner:	ONCORE MANUFACTURING SERVICES LLC
Facility Mailing Address:	237 VIA VERA CRUZ
Facility Mailing City:	SAN MARCOS
Facility Mailing State:	CA
Facility Mailing Zip:	92078
UST Owner:	Not reported
Handle Regulated Hazmat:	Y
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Y
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

CERS HAZ WASTE:

Name:	ONCORE MANUFACTURING SERVICES
Address:	237 VIA VERA CRUZ
City,State,Zip:	SAN MARCOS, CA 92078
Site ID:	53848
CERS ID:	10376509
CERS Description:	Hazardous Waste Generator

FINDS:

Registry ID: 110002819594

Click Here for FRS Facility Detail Report:

Environmental Interest/Information System:

California Hazardous Waste Tracking System - Datamart (HWTS-DATAMART) provides California with information on hazardous waste shipments for generators, transporters, and treatment, storage, and disposal facilities.
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:

Envid:	1000387986
Registry ID:	110002819594
DFR URL:	http://echo.epa.gov/detailed-facility-report?fid=110002819594
Name:	AMISTAR
Address:	237 VIA VERA CRUZ
City,State,Zip:	SAN MARCOS, CA 92078

HAZNET:

Name:	AMISTAR
Address:	237 VIA VERA CRUZ
Address 2:	Not reported
City,State,Zip:	SAN MARCOS, CA 920782617
Contact:	BILL LONGDAIL MFG MGR

AMISTAR (Continued) **1000387986**

Telephone:	7604711700
Mailing Name:	Not reported
Mailing Address:	1269 LINDA VISTA DR
Year:	2008
Gepaid:	CAD982470445
TSD EPA ID:	CAD982444481
CA Waste Code:	223 - Unspecified oil-containing waste
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.4587
Year:	2008
Gepaid:	CAD982470445
TSD EPA ID:	NVT330010000
CA Waste Code:	181 - Other inorganic solid waste
Disposal Method:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Tons:	0.0625
Year:	2008
Gepaid:	CAD982470445
TSD EPA ID:	NVT330010000
CA Waste Code:	221 - Waste oil and mixed oil
Disposal Method:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Tons:	0.209
Year:	2008
Gepaid:	CAD982470445
TSD EPA ID:	NVT330010000
CA Waste Code:	223 - Unspecified oil-containing waste
Disposal Method:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Tons:	0.22935
Year:	2007
Gepaid:	CAD982470445
TSD EPA ID:	CAD008252405
CA Waste Code:	212 - Oxygenated solvents (acetone, butanol, ethyl acetate, etc.)
Disposal Method:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Tons:	0.1155
Year:	2007
Gepaid:	CAD982470445
TSD EPA ID:	CAD028409019
CA Waste Code:	181 - Other inorganic solid waste
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.2
Year:	2007
Gepaid:	CAD982470445
TSD EPA ID:	CAD982444481
CA Waste Code:	223 - Unspecified oil-containing waste
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)

AMISTAR (Continued) **1000387986**

Tons:	1.10505
Year:	2006
Gepaid:	CAD982470445
TSD EPA ID:	CAD982444481
CA Waste Code:	223 - Unspecified oil-containing waste
Disposal Method:	R01 - Recycler
Tons:	0.5421
Year:	2006
Gepaid:	CAD982470445
TSD EPA ID:	CAD982444481
CA Waste Code:	223 - Unspecified oil-containing waste
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.22935
Year:	2005
Gepaid:	CAD982470445
TSD EPA ID:	CAD044429835
CA Waste Code:	181 - Other inorganic solid waste
Disposal Method:	D99 - Disposal, Other
Tons:	0.3

Click this hyperlink while viewing on your computer to access
51 additional CA HAZNET: record(s) in the EDR Site Report.

Additional Info:

Year:	2008
Gen EPA ID:	CAD982470445
Shipment Date:	20080501
Creation Date:	9/10/2008 18:30:39
Receipt Date:	20080507
Manifest ID:	003350959JJK
Trans EPA ID:	CAR000159277
Trans Name:	GEN TEC SOLUTIONS INC
Trans 2 EPA ID:	CAD981412356
Trans 2 Name:	PACIFIC TRANS ENVIRONMENTAL SERVICES
TSDF EPA ID:	NVT330010000
Trans Name:	US ECOLOGY
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	D008
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	0.0625
Waste Quantity:	125
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

AMISTAR (Continued) **1000387986**

Shipment Date:	20080501
Creation Date:	9/10/2008 18:30:39
Receipt Date:	20080507
Manifest ID:	003350959JJK
Trans EPA ID:	CAR000159277
Trans Name:	GEN TEC SOLUTIONS INC
Trans 2 EPA ID:	CAD981412356
Trans 2 Name:	PACIFIC TRANS ENVIRONMENTAL SERVICES
TSDF EPA ID:	NVT330010000
Trans Name:	US ECOLOGY
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	0.209
Waste Quantity:	55
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20080501
Creation Date:	9/10/2008 18:30:39
Receipt Date:	20080507
Manifest ID:	003350959JJK
Trans EPA ID:	CAR000159277
Trans Name:	GEN TEC SOLUTIONS INC
Trans 2 EPA ID:	CAD981412356
Trans 2 Name:	PACIFIC TRANS ENVIRONMENTAL SERVICES
TSDF EPA ID:	NVT330010000
Trans Name:	US ECOLOGY
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	0.22935
Waste Quantity:	55
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20080312
Creation Date:	6/5/2008 18:30:08
Receipt Date:	20080318
Manifest ID:	003350855JJK
Trans EPA ID:	CAR000159277
Trans Name:	GEN TEC SOLUTIONS INC
Trans 2 EPA ID:	CAR000187922

AMISTAR (Continued) **1000387986**

Trans 2 Name:	RUST & SONS TRUCKING
TSDF EPA ID:	CAD982444481
Trans Name:	FILTER RECYCLING SERVICES INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.22935
Waste Quantity:	55
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20080312
Creation Date:	6/5/2008 18:30:08
Receipt Date:	20080318
Manifest ID:	003350855JJK
Trans EPA ID:	CAR000159277
Trans Name:	GEN TEC SOLUTIONS INC
Trans 2 EPA ID:	CAR000187922
Trans 2 Name:	RUST & SONS TRUCKING
TSDF EPA ID:	CAD982444481
Trans Name:	FILTER RECYCLING SERVICES INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.22935
Waste Quantity:	55
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2007
Gen EPA ID:	CAD982470445

Shipment Date:	20071205
Creation Date:	3/6/2008 18:30:06
Receipt Date:	20071207
Manifest ID:	000494621JJK
Trans EPA ID:	CAR000157909
Trans Name:	SPECTRUM ENVIRONMENTAL SOLUTIONS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD982444481
Trans Name:	FILTER RECYCLING SERVICES

AMISTAR (Continued) **1000387986**

TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.22935
Waste Quantity:	55
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20071128
Creation Date:	5/30/2008 18:30:22
Receipt Date:	20071213
Manifest ID:	000494617JJK
Trans EPA ID:	CAR000157909
Trans Name:	SPECTRUM ENVIRONMENTAL SOLUTIONS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008252405
Trans Name:	PACIFIC RESOURCE RECOVERY
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	212 - Oxygenated solvents (acetone, butanol, ethyl acetate, etc.
RCRA Code:	D001
Meth Code:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Quantity Tons:	0.1155
Waste Quantity:	35
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20071017
Creation Date:	2/29/2008 18:30:19
Receipt Date:	20071101
Manifest ID:	000494581JJK
Trans EPA ID:	CAR000157909
Trans Name:	SPECTRUM ENVIRONMENTAL SOLUTIONS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD982444481
Trans Name:	FILTER RECYCLING SERVICES
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.22935
Waste Quantity:	55

AMISTAR (Continued) **1000387986**

Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20071016
Creation Date:	2/29/2008 18:30:19
Receipt Date:	20071115
Manifest ID:	000494577JJK
Trans EPA ID:	CAR000157909
Trans Name:	SPECTRUM ENVIONMENTAL SOLUTIONS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD028409019
Trans Name:	CROSBY & OVERTON
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	D008
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.05
Waste Quantity:	100
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20071016
Creation Date:	2/29/2008 18:30:19
Receipt Date:	20071115
Manifest ID:	000494577JJK
Trans EPA ID:	CAR000157909
Trans Name:	SPECTRUM ENVIONMENTAL SOLUTIONS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD028409019
Trans Name:	CROSBY & OVERTON
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	D008
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.15
Waste Quantity:	300
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

AMISTAR (Continued) **1000387986**

Shipment Date:	20070830
Creation Date:	11/5/2007 18:30:58
Receipt Date:	20070831
Manifest ID:	000495496JJK
Trans EPA ID:	CAR000157909
Trans Name:	SPECTRUM ENVIRONMENTAL SOLUTIONS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD982444481
Trans Name:	FILTER RECYCLING SERVICES
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.22935
Waste Quantity:	55
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20070615
Creation Date:	11/3/2007 18:30:21
Receipt Date:	20070629
Manifest ID:	000495385JJK
Trans EPA ID:	CAR000157909
Trans Name:	SPECTRUM ENVIRONMENTAL SOLUTIONS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD982444481
Trans Name:	FILTER RECYCLING SERVICES
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.417
Waste Quantity:	100
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2006
Gen EPA ID:	CAD982470445

Shipment Date:	20061128
Creation Date:	3/30/2007 13:34:30
Receipt Date:	20061130

AMISTAR (Continued) **1000387986**

Manifest ID:	000495123JJK
Trans EPA ID:	CAR000157909
Trans Name:	SPECTRUM ENVIRONMENTAL
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD982444481
Trans Name:	FILTER RECYCLING SERVICES
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.22935
Waste Quantity:	55
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20060822
Creation Date:	11/21/2006 18:30:19
Receipt Date:	20060826
Manifest ID:	25202283
Trans EPA ID:	CAR000157909
Trans Name:	SPECTRUM ENVIRONMENTAL
Trans 2 EPA ID:	CAD982444481
Trans 2 Name:	FILTER RECYCLING SERV
TSDF EPA ID:	CAD982444481
Trans Name:	FILTER RECYCLING SERVICES
TSDF Alt EPA ID:	CAD982444481
TSDF Alt Name:	Not reported
Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported
Meth Code:	R01 - Recycler
Quantity Tons:	0.5421
Waste Quantity:	130
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2005
Gen EPA ID:	CAD982470445

Shipment Date:	20051222
Creation Date:	3/14/2007 18:30:33
Receipt Date:	20051227
Manifest ID:	24561849
Trans EPA ID:	CAR000157909
Trans Name:	SPECTRUM ENVIONMENTAL SOLUTIONS INC
Trans 2 EPA ID:	Not reported

AMISTAR (Continued) **1000387986**

Trans 2 Name:	Not reported
TSDF EPA ID:	CAD982444481
Trans Name:	FILTER RECYCLING SERVICES
TSDF Alt EPA ID:	CAD982444481
TSDF Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	Not reported
Meth Code:	R01 - Recycler
Quantity Tons:	0.1
Waste Quantity:	200
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20051122
Creation Date:	3/14/2007 18:30:14
Receipt Date:	20051201
Manifest ID:	24561811
Trans EPA ID:	CAR000157909
Trans Name:	SPECTRUM ENVIONMENTAL SOLUTIONS INC
Trans 2 EPA ID:	NED986382133
Trans 2 Name:	SMITH SYSTEMS
TSDF EPA ID:	CAD044429835
Trans Name:	TERIS
TSDF Alt EPA ID:	CAD044429835
TSDF Alt Name:	Not reported
Waste Code Description:	212 - Oxygenated solvents (acetone, butanol, ethyl acetate, etc.
RCRA Code:	D001
Meth Code:	R01 - Recycler
Quantity Tons:	0.132
Waste Quantity:	40
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20051018
Creation Date:	1/2/2007 18:30:08
Receipt Date:	20051026
Manifest ID:	22365153
Trans EPA ID:	CAD003963592
Trans Name:	ECS REFINING
Trans 2 EPA ID:	CA0000970392
Trans 2 Name:	ENVIRONMENTAL RECOVERY SVCS
TSDF EPA ID:	CAD003963592
Trans Name:	ECS REFINING TEXAS LLC
TSDF Alt EPA ID:	CAD003963592
TSDF Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	Not reported
Meth Code:	R01 - Recycler
Quantity Tons:	0.299

AMISTAR (Continued) **1000387986**

Waste Quantity:	598
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20051018
Creation Date:	1/2/2007 18:30:08
Receipt Date:	20051026
Manifest ID:	22365153
Trans EPA ID:	CAD003963592
Trans Name:	ECS REFINING
Trans 2 EPA ID:	CA0000970392
Trans 2 Name:	ENVIRONMENTAL RECOVERY SVCS
TSDF EPA ID:	CAD003963592
Trans Name:	ECS REFINING TEXAS LLC
TSDF Alt EPA ID:	CAD003963592
TSDF Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	D008
Meth Code:	R01 - Recycler
Quantity Tons:	0.084
Waste Quantity:	168
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20051006
Creation Date:	3/12/2006 18:31:42
Receipt Date:	20051018
Manifest ID:	24561765
Trans EPA ID:	CAR000157909
Trans Name:	SPECTRUM ENVIONMENTAL SOLUTIONS INC
Trans 2 EPA ID:	NED986382133
Trans 2 Name:	SMITH SYSTEMS
TSDF EPA ID:	CAD044429835
Trans Name:	TERIS
TSDF Alt EPA ID:	CAD044429835
TSDF Alt Name:	Not reported
Waste Code Description:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Meth Code:	R01 - Recycler
Quantity Tons:	0.342
Waste Quantity:	90
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20050519

AMISTAR (Continued) **1000387986**

Creation Date:	7/27/2005 10:48:47
Receipt Date:	20050525
Manifest ID:	23853663
Trans EPA ID:	ILD047267364
Trans Name:	ADCOM EXPRESS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD044429835
Trans Name:	TERIS
TSDF Alt EPA ID:	CAD044429835
TSDF Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	D008
Meth Code:	D99 - Disposal, Other
Quantity Tons:	0.3
Waste Quantity:	600
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20050315
Creation Date:	6/2/2005 18:30:59
Receipt Date:	20050317
Manifest ID:	22365061
Trans EPA ID:	CAD003963592
Trans Name:	ECS REFINING
Trans 2 EPA ID:	CA0000970392
Trans 2 Name:	ENVIRONMENTAL RECOVERY SVCS
TSDF EPA ID:	CAD003963592
Trans Name:	ECS REFINING TEXAS LLC
TSDF Alt EPA ID:	CAD003963592
TSDF Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	EXEM
Meth Code:	R01 - Recycler
Quantity Tons:	0.527
Waste Quantity:	1054
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20050214
Creation Date:	4/29/2005 8:38:49
Receipt Date:	20050302
Manifest ID:	23853442
Trans EPA ID:	ILD047267364
Trans Name:	ADCOM EXPRESS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD044429835
Trans Name:	TERIS

AMISTAR (Continued) **1000387986**

TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	NON
Meth Code:	D99 - Disposal, Other
Quantity Tons:	0.4587
Waste Quantity:	110
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20050104
Creation Date:	4/20/2006 18:30:56
Receipt Date:	20050112
Manifest ID:	22365571
Trans EPA ID:	CAD003963592
Trans Name:	ECS REFINING
Trans 2 EPA ID:	CA0000970392
Trans 2 Name:	ENVIRONMENTAL RECOVERY SER
TSDF EPA ID:	CAD003963592
Trans Name:	ECS REFINING
TSDF Alt EPA ID:	CAD003963592
TSDF Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	EXEM
Meth Code:	R01 - Recycler
Quantity Tons:	0.41
Waste Quantity:	820
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2004
Gen EPA ID:	CAD982470445

Shipment Date:	20040914
Creation Date:	1/6/2005 18:32:03
Receipt Date:	20040923
Manifest ID:	22365438
Trans EPA ID:	CAD003963592
Trans Name:	ECS REFINING
Trans 2 EPA ID:	CA0000970392
Trans 2 Name:	ENVIRONMENTAL RECOVERY SERVICE
TSDF EPA ID:	CAD003963592
Trans Name:	ECS REFINING
TSDF Alt EPA ID:	CAD003963592
TSDF Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	EXEM
Meth Code:	R01 - Recycler

AMISTAR (Continued) **1000387986**

Quantity Tons:	0.5
Waste Quantity:	1000
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20040721
Creation Date:	11/5/2004 18:32:00
Receipt Date:	20040726
Manifest ID:	23453119
Trans EPA ID:	ILD047267364
Trans Name:	ADCOM EXPRESS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD982444481
Trans Name:	FILTER RECYCLING SERVICES INC
TSDF Alt EPA ID:	CAD982444481
TSDF Alt Name:	Not reported
Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	NON
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.6255
Waste Quantity:	150
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20040721
Creation Date:	11/1/2004 12:36:11
Receipt Date:	20040728
Manifest ID:	23453120
Trans EPA ID:	ILD047267364
Trans Name:	ADCOM EXPRESS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD044429835
Trans Name:	TERIS
TSDF Alt EPA ID:	CAD044429835
TSDF Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	D008
Meth Code:	D99 - Disposal, Other
Quantity Tons:	0.15
Waste Quantity:	300
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

AMISTAR (Continued) **1000387986**

Shipment Date:	20040519
Creation Date:	10/15/2004 10:47:43
Receipt Date:	20040527
Manifest ID:	22364666
Trans EPA ID:	CAD003963592
Trans Name:	ECS REFINING
Trans 2 EPA ID:	CA0000970392
Trans 2 Name:	ENVIRONMENTAL RECOVERY SERVICES
TSDF EPA ID:	CAD003963592
Trans Name:	ECS REFINING
TSDF Alt EPA ID:	CAD003963592
TSDF Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	Not reported
Meth Code:	R01 - Recycler
Quantity Tons:	0.386
Waste Quantity:	772
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20040106
Creation Date:	8/19/2004 11:23:00
Receipt Date:	20040112
Manifest ID:	22832956
Trans EPA ID:	ILD047267364
Trans Name:	ADCOM EXPRESS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD982444481
Trans Name:	FILTER RECYCLING SERVICES
TSDF Alt EPA ID:	CAD982444481
TSDF Alt Name:	Not reported
Waste Code Description:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.38
Waste Quantity:	100
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20040106
Creation Date:	8/12/2004 8:09:46
Receipt Date:	20040114
Manifest ID:	22832954
Trans EPA ID:	ILD047267364
Trans Name:	ADCOM EXPRESS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD044429835

AMISTAR (Continued) **1000387986**

Trans Name:	TERIS
TSDF Alt EPA ID:	CAD044429835
TSDF Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	D008
Meth Code:	D99 - Disposal, Other
Quantity Tons:	0.2
Waste Quantity:	400
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20040106
Creation Date:	8/19/2004 11:23:00
Receipt Date:	20040112
Manifest ID:	22832956
Trans EPA ID:	ILD047267364
Trans Name:	ADCOM EXPRESS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD982444481
Trans Name:	FILTER RECYCLING SERVICES
TSDF Alt EPA ID:	CAD982444481
TSDF Alt Name:	Not reported
Waste Code Description:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.19
Waste Quantity:	50
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2003
Gen EPA ID:	CAD982470445

Shipment Date:	20030424
Creation Date:	7/13/2003 18:31:11
Receipt Date:	20030430
Manifest ID:	22476214
Trans EPA ID:	ILD047267364
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD044429835
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD044429835
TSDF Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	D008

AMISTAR (Continued) **1000387986**

Meth Code:	D99 - Disposal, Other
Quantity Tons:	0.15
Waste Quantity:	300
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20030424
Creation Date:	6/23/2004 9:59:25
Receipt Date:	20030502
Manifest ID:	22476213
Trans EPA ID:	ILD047267364
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008252405
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD008252405
TSDF Alt Name:	Not reported
Waste Code Description:	212 - Oxygenated solvents (acetone, butanol, ethyl acetate, etc.
RCRA Code:	D001
Meth Code:	R01 - Recycler
Quantity Tons:	0.066
Waste Quantity:	20
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2002
Gen EPA ID:	CAD982470445
Shipment Date:	20021220
Creation Date:	3/31/2003 18:31:15
Receipt Date:	20021223
Manifest ID:	20672155
Trans EPA ID:	CAD003963592
Trans Name:	Not reported
Trans 2 EPA ID:	CAD981446156
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD003963592
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	Not reported
Meth Code:	R01 - Recycler
Quantity Tons:	0.433
Waste Quantity:	866
Quantity Unit:	P
Additional Code 1:	Not reported

AMISTAR (Continued) **1000387986**

Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20021025
Creation Date:	2/10/2003 18:31:16
Receipt Date:	20021030
Manifest ID:	22092178
Trans EPA ID:	ILD047267364
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD044429835
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	D008
Meth Code:	D99 - Disposal, Other
Quantity Tons:	0.3
Waste Quantity:	600
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20021025
Creation Date:	2/13/2003 18:31:35
Receipt Date:	20021101
Manifest ID:	22092180
Trans EPA ID:	ILD047267364
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD982444481
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.209
Waste Quantity:	55
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20020227
Creation Date:	7/22/2002 18:32:38
Receipt Date:	20020306
Manifest ID:	21674689

AMISTAR (Continued) **1000387986**

Trans EPA ID:	ILD047267364
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008252405
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	741 - Liquids with halogenated organic compounds > 1000 mg/l
RCRA Code:	D080
Meth Code:	R01 - Recycler
Quantity Tons:	0.01251
Waste Quantity:	3
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20020220
Creation Date:	7/25/2002 18:31:24
Receipt Date:	20020222
Manifest ID:	21674671
Trans EPA ID:	ILD047267364
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD982444481
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.38
Waste Quantity:	100
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20020220
Creation Date:	7/25/2002 18:31:24
Receipt Date:	20020222
Manifest ID:	21674671
Trans EPA ID:	ILD047267364
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD982444481
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	221 - Waste oil and mixed oil

AMISTAR (Continued) **1000387986**

RCRA Code:	Not reported
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.38
Waste Quantity:	100
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20020220
Creation Date:	7/25/2002 18:31:24
Receipt Date:	20020227
Manifest ID:	21674670
Trans EPA ID:	ILD047267364
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD044429835
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	D008
Meth Code:	D99 - Disposal, Other
Quantity Tons:	0.225
Waste Quantity:	450
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20020124
Creation Date:	3/7/2002 0:00:00
Receipt Date:	20020128
Manifest ID:	20669766
Trans EPA ID:	CAD003963592
Trans Name:	Not reported
Trans 2 EPA ID:	CAD981446156
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD003963592
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	Not reported
Meth Code:	R01 - Recycler
Quantity Tons:	0.4
Waste Quantity:	800
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported

AMISTAR (Continued) **1000387986**

Additional Code 5:	Not reported
Additional Info:	
Year:	2001
Gen EPA ID:	CAD982470445
Shipment Date:	20010730
Creation Date:	10/1/2001 0:00:00
Receipt Date:	20010801
Manifest ID:	20940345
Trans EPA ID:	ILD047267364
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD044429835
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD044429835
TSDF Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	D008
Meth Code:	D99 - Disposal, Other
Quantity Tons:	0.18
Waste Quantity:	360
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20010730
Creation Date:	10/23/2001 0:00:00
Receipt Date:	20010801
Manifest ID:	20940347
Trans EPA ID:	ILD047267364
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008252405
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD008252405
TSDF Alt Name:	Not reported
Waste Code Description:	212 - Oxygenated solvents (acetone, butanol, ethyl acetate, etc.
RCRA Code:	D001
Meth Code:	R01 - Recycler
Quantity Tons:	0.165
Waste Quantity:	50
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20010730
Creation Date:	10/23/2001 0:00:00
Receipt Date:	20010801

AMISTAR (Continued) **1000387986**

Manifest ID:	20940347
Trans EPA ID:	ILD047267364
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008252405
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD008252405
TSDF Alt Name:	Not reported
Waste Code Description:	212 - Oxygenated solvents (acetone, butanol, ethyl acetate, etc.
RCRA Code:	D001
Meth Code:	R01 - Recycler
Quantity Tons:	0.165
Waste Quantity:	50
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20010730
Creation Date:	10/3/2001 0:00:00
Receipt Date:	20010803
Manifest ID:	20940348
Trans EPA ID:	ILD047267364
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD982444481
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD982444481
TSDF Alt Name:	Not reported
Waste Code Description:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.38
Waste Quantity:	100
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20010214
Creation Date:	4/30/2001 0:00:00
Receipt Date:	20010216
Manifest ID:	99760609
Trans EPA ID:	CAD003963592
Trans Name:	Not reported
Trans 2 EPA ID:	CAD981446156
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD003963592
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported

AMISTAR (Continued) **1000387986**

Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	Not reported
Meth Code:	R01 - Recycler
Quantity Tons:	0.4
Waste Quantity:	800
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20010207
Creation Date:	4/19/2001 0:00:00
Receipt Date:	20010215
Manifest ID:	98395448
Trans EPA ID:	ILD047267364
Trans Name:	Not reported
Trans 2 EPA ID:	OKD981588791
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD044429835
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD044429835
TSDF Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	D008
Meth Code:	D99 - Disposal, Other
Quantity Tons:	0.225
Waste Quantity:	450
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2000
Gen EPA ID:	CAD982470445
Shipment Date:	20000904
Creation Date:	11/14/2000 0:00:00
Receipt Date:	20000907
Manifest ID:	20458228
Trans EPA ID:	ILD047267364
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD982444481
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD982444481
TSDF Alt Name:	Not reported
Waste Code Description:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Meth Code:	R01 - Recycler
Quantity Tons:	0.209
Waste Quantity:	55

AMISTAR (Continued) **1000387986**

Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20000904
Creation Date:	10/30/2000 0:00:00
Receipt Date:	20000915
Manifest ID:	20458230
Trans EPA ID:	ILD047267364
Trans Name:	Not reported
Trans 2 EPA ID:	OKD981588791
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD044429835
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD044429835
TSDF Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	D008
Meth Code:	D99 - Disposal, Other
Quantity Tons:	0.1875
Waste Quantity:	375
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20000904
Creation Date:	11/14/2000 0:00:00
Receipt Date:	20000908
Manifest ID:	20458229
Trans EPA ID:	ILD047267364
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008252405
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD008252405
TSDF Alt Name:	Not reported
Waste Code Description:	212 - Oxygenated solvents (acetone, butanol, ethyl acetate, etc.
RCRA Code:	D001
Meth Code:	R01 - Recycler
Quantity Tons:	0.165
Waste Quantity:	50
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20000510
Creation Date:	7/12/2000 0:00:00

AMISTAR (Continued) **1000387986**

Receipt Date:	20000517
Manifest ID:	99090948
Trans EPA ID:	CAD003963592
Trans Name:	Not reported
Trans 2 EPA ID:	CAD981446156
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD003963592
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD003963592
TSDF Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	Not reported
Meth Code:	R01 - Recycler
Quantity Tons:	0.8
Waste Quantity:	1600
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	1999
Gen EPA ID:	CAD982470445
Shipment Date:	19990910
Creation Date:	11/19/1999 0:00:00
Receipt Date:	19990914
Manifest ID:	99460590
Trans EPA ID:	ILD047267364
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008252405
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD008252405
TSDF Alt Name:	Not reported
Waste Code Description:	212 - Oxygenated solvents (acetone, butanol, ethyl acetate, etc.
RCRA Code:	D001
Meth Code:	R01 - Recycler
Quantity Tons:	0.165
Waste Quantity:	50
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19990428
Creation Date:	6/10/1999 0:00:00
Receipt Date:	19990505
Manifest ID:	98155415
Trans EPA ID:	CAD003963592
Trans Name:	Not reported
Trans 2 EPA ID:	CAD981446156

AMISTAR (Continued) **1000387986**

Trans 2 Name:	Not reported
TSDF EPA ID:	CAD003963592
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	Not reported
Meth Code:	R01 - Recycler
Quantity Tons:	0.65
Waste Quantity:	1300
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

NPDES:

Name:	ONCORE MANUFACTURING SERVICES
Address:	237 VIA VERA CRUZ
City,State,Zip:	SAN MARCOS, CA 92078
Facility Status:	Active
NPDES Number:	CAS000001
Region:	9
Agency Number:	0
Regulatory Measure ID:	352416
Place ID:	Not reported
Order Number:	97-03-DWQ
WDID:	9 37I021859
Regulatory Measure Type:	Enrollee
Program Type:	Industrial
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	10/03/2008
Termination Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Discharge Address:	237 Via Vera Cruz
Discharge Name:	Oncore Manufactoring LLC
Discharge City:	San Marcos
Discharge State:	California
Discharge Zip:	92078
Status:	Not reported
Status Date:	Not reported
Operator Name:	Not reported
Operator Address:	Not reported
Operator City:	Not reported
Operator State:	Not reported
Operator Zip:	Not reported

NPDES as of 03/2018:

NPDES Number:	CAS000001
Status:	Active
Agency Number:	0
Region:	9
Regulatory Measure ID:	352416
Order Number:	97-03-DWQ
Regulatory Measure Type:	Enrollee
Place ID:	Not reported

AMISTAR (Continued) **1000387986**

WDID:	9 37I021859
Program Type:	Industrial
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	10/03/2008
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	Oncore Manufactoring LLC
Discharge Address:	237 Via Vera Cruz
Discharge City:	San Marcos
Discharge State:	California
Discharge Zip:	92078
Received Date:	Not reported
Processed Date:	Not reported
Status:	Not reported
Status Date:	Not reported
Place Size:	Not reported
Place Size Unit:	Not reported
Contact:	Not reported
Contact Title:	Not reported
Contact Phone:	Not reported
Contact Phone Ext:	Not reported
Contact Email:	Not reported
Operator Name:	Not reported
Operator Address:	Not reported
Operator City:	Not reported
Operator State:	Not reported
Operator Zip:	Not reported
Operator Contact:	Not reported
Operator Contact Title:	Not reported
Operator Contact Phone:	Not reported
Operator Contact Phone Ext:	Not reported
Operator Contact Email:	Not reported
Operator Type:	Not reported
Developer:	Not reported
Developer Address:	Not reported
Developer City:	Not reported
Developer State:	Not reported
Developer Zip:	Not reported
Developer Contact:	Not reported
Developer Contact Title:	Not reported
Constype Linear Utility Ind:	Not reported
Emergency Phone:	Not reported
Emergency Phone Ext:	Not reported
Constype Above Ground Ind:	Not reported
Constype Below Ground Ind:	Not reported
Constype Cable Line Ind:	Not reported
Constype Comm Line Ind:	Not reported
Constype Commertial Ind:	Not reported
Constype Electrical Line Ind:	Not reported
Constype Gas Line Ind:	Not reported
Constype Industrial Ind:	Not reported
Constype Other Description:	Not reported
Constype Other Ind:	Not reported
Constype Recons Ind:	Not reported
Constype Residential Ind:	Not reported
Constype Transport Ind:	Not reported
Constype Utility Description:	Not reported

AMISTAR (Continued) **1000387986**

Constype Utility Ind:	Not reported
Constype Water Sewer Ind:	Not reported
Dir Discharge Uswater Ind:	Not reported
Receiving Water Name:	Not reported
Certifier:	Not reported
Certifier Title:	Not reported
Certification Date:	Not reported
Primary Sic:	Not reported
Secondary Sic:	Not reported
Tertiary Sic:	Not reported
NPDES Number:	Not reported
Status:	Not reported
Agency Number:	Not reported
Region:	9
Regulatory Measure ID:	352416
Order Number:	Not reported
Regulatory Measure Type:	Industrial
Place ID:	Not reported
WDID:	9 37I021859
Program Type:	Not reported
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	Not reported
Discharge Address:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
Received Date:	09/19/2008
Processed Date:	10/03/2008
Status:	Active
Status Date:	10/03/2008
Place Size:	5.4
Place Size Unit:	Acres
Contact:	Kurt T Boess
Contact Title:	Facilities Manager
Contact Phone:	760-737-6777
Contact Phone Ext:	3267
Contact Email:	kurt.boess@oncorems.com
Operator Name:	Oncore Manufactoring Services
Operator Address:	237 Via Vera Cruz
Operator City:	San Marcos
Operator State:	California
Operator Zip:	92078
Operator Contact:	Kurt Boess Sr
Operator Contact Title:	Facilities Manager
Operator Contact Phone:	760-798-3267
Operator Contact Phone Ext:	3267
Operator Contact Email:	kurt.boess@oncorems.com
Operator Type:	Private Business
Developer:	Not reported
Developer Address:	Not reported
Developer City:	Not reported
Developer State:	California
Developer Zip:	Not reported

AMISTAR (Continued) **1000387986**

Developer Contact:	Not reported
Developer Contact Title:	Not reported
Constype Linear Utility Ind:	Not reported
Emergency Phone:	760-522-9586
Emergency Phone Ext:	Not reported
Constype Above Ground Ind:	Not reported
Constype Below Ground Ind:	Not reported
Constype Cable Line Ind:	Not reported
Constype Comm Line Ind:	Not reported
Constype Commertial Ind:	Not reported
Constype Electrical Line Ind:	Not reported
Constype Gas Line Ind:	Not reported
Constype Industrial Ind:	Not reported
Constype Other Description:	Not reported
Constype Other Ind:	Not reported
Constype Recons Ind:	Not reported
Constype Residential Ind:	Not reported
Constype Transport Ind:	Not reported
Constype Utility Description:	Not reported
Constype Utility Ind:	Not reported
Constype Water Sewer Ind:	Not reported
Dir Discharge Uswater Ind:	N
Receiving Water Name:	Lake San Marcos
Certifier:	Kurt Boess Sr
Certifier Title:	Facilities Manager
Certification Date:	09-JUN-15
Primary Sic:	3679-Electronic Components, NEC
Secondary Sic:	Not reported
Tertiary Sic:	Not reported

Name:	ONCORE MANUFACTURING SERVICES
Address:	237 VIA VERA CRUZ
City,State,Zip:	SAN MARCOS, CA 92078
Facility Status:	Not reported
NPDES Number:	Not reported
Region:	Not reported
Agency Number:	Not reported
Regulatory Measure ID:	Not reported
Place ID:	Not reported
Order Number:	Not reported
WDID:	9 37I021859
Regulatory Measure Type:	Industrial
Program Type:	Not reported
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Discharge Address:	Not reported
Discharge Name:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
Status:	Active
Status Date:	10/03/2008
Operator Name:	Oncore Manufactoring LLC
Operator Address:	237 Via Vera Cruz

AMISTAR (Continued) **1000387986**

Operator City:	San Marcos
Operator State:	California
Operator Zip:	92078

NPDES as of 03/2018:

NPDES Number:	CAS000001
Status:	Active
Agency Number:	0
Region:	9
Regulatory Measure ID:	352416
Order Number:	97-03-DWQ
Regulatory Measure Type:	Enrollee
Place ID:	Not reported
WDID:	9 37I021859
Program Type:	Industrial
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	10/03/2008
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	Oncore Manufactoring LLC
Discharge Address:	237 Via Vera Cruz
Discharge City:	San Marcos
Discharge State:	California
Discharge Zip:	92078
Received Date:	Not reported
Processed Date:	Not reported
Status:	Not reported
Status Date:	Not reported
Place Size:	Not reported
Place Size Unit:	Not reported
Contact:	Not reported
Contact Title:	Not reported
Contact Phone:	Not reported
Contact Phone Ext:	Not reported
Contact Email:	Not reported
Operator Name:	Not reported
Operator Address:	Not reported
Operator City:	Not reported
Operator State:	Not reported
Operator Zip:	Not reported
Operator Contact:	Not reported
Operator Contact Title:	Not reported
Operator Contact Phone:	Not reported
Operator Contact Phone Ext:	Not reported
Operator Contact Email:	Not reported
Operator Type:	Not reported
Developer:	Not reported
Developer Address:	Not reported
Developer City:	Not reported
Developer State:	Not reported
Developer Zip:	Not reported
Developer Contact:	Not reported
Developer Contact Title:	Not reported
Constype Linear Utility Ind:	Not reported
Emergency Phone:	Not reported
Emergency Phone Ext:	Not reported
Constype Above Ground Ind:	Not reported
Constype Below Ground Ind:	Not reported

AMISTAR (Continued) **1000387986**

Constype Cable Line Ind:	Not reported
Constype Comm Line Ind:	Not reported
Constype Commertial Ind:	Not reported
Constype Electrical Line Ind:	Not reported
Constype Gas Line Ind:	Not reported
Constype Industrial Ind:	Not reported
Constype Other Description:	Not reported
Constype Other Ind:	Not reported
Constype Recons Ind:	Not reported
Constype Residential Ind:	Not reported
Constype Transport Ind:	Not reported
Constype Utility Description:	Not reported
Constype Utility Ind:	Not reported
Constype Water Sewer Ind:	Not reported
Dir Discharge Uswater Ind:	Not reported
Receiving Water Name:	Not reported
Certifier:	Not reported
Certifier Title:	Not reported
Certification Date:	Not reported
Primary Sic:	Not reported
Secondary Sic:	Not reported
Tertiary Sic:	Not reported
NPDES Number:	Not reported
Status:	Not reported
Agency Number:	Not reported
Region:	9
Regulatory Measure ID:	352416
Order Number:	Not reported
Regulatory Measure Type:	Industrial
Place ID:	Not reported
WDID:	9 37I021859
Program Type:	Not reported
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	Not reported
Discharge Address:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
Received Date:	09/19/2008
Processed Date:	10/03/2008
Status:	Active
Status Date:	10/03/2008
Place Size:	5.4
Place Size Unit:	Acres
Contact:	Kurt T Boess
Contact Title:	Facilities Manager
Contact Phone:	760-737-6777
Contact Phone Ext:	3267
Contact Email:	kurt.boess@oncorems.com
Operator Name:	Oncore Manufactoring Services
Operator Address:	237 Via Vera Cruz
Operator City:	San Marcos
Operator State:	California

AMISTAR (Continued) **1000387986**

Operator Zip:	92078
Operator Contact:	Kurt Boess Sr
Operator Contact Title:	Facilities Manager
Operator Contact Phone:	760-798-3267
Operator Contact Phone Ext:	3267
Operator Contact Email:	kurt.boess@oncorems.com
Operator Type:	Private Business
Developer:	Not reported
Developer Address:	Not reported
Developer City:	Not reported
Developer State:	California
Developer Zip:	Not reported
Developer Contact:	Not reported
Developer Contact Title:	Not reported
Constype Linear Utility Ind:	Not reported
Emergency Phone:	760-522-9586
Emergency Phone Ext:	Not reported
Constype Above Ground Ind:	Not reported
Constype Below Ground Ind:	Not reported
Constype Cable Line Ind:	Not reported
Constype Comm Line Ind:	Not reported
Constype Commertial Ind:	Not reported
Constype Electrical Line Ind:	Not reported
Constype Gas Line Ind:	Not reported
Constype Industrial Ind:	Not reported
Constype Other Description:	Not reported
Constype Other Ind:	Not reported
Constype Recons Ind:	Not reported
Constype Residential Ind:	Not reported
Constype Transport Ind:	Not reported
Constype Utility Description:	Not reported
Constype Utility Ind:	Not reported
Constype Water Sewer Ind:	Not reported
Dir Discharge Uswater Ind:	N
Receiving Water Name:	Lake San Marcos
Certifier:	Kurt Boess Sr
Certifier Title:	Facilities Manager
Certification Date:	09-JUN-15
Primary Sic:	3679-Electronic Components, NEC
Secondary Sic:	Not reported
Tertiary Sic:	Not reported

CIWQS:

Name:	ONCORE MANUFACTURING SERVICES
Address:	237 VIA VERA CRUZ
City,State,Zip:	SAN MARCOS, CA 92078
Agency:	Oncore Manufactoring LLC
Agency Address:	237 Via Vera Cruz, San Marcos, CA 92078
Place/Project Type:	Industrial - Electronic Components, NEC
SIC/NAICS:	3679
Region:	9
Program:	INDSTW
Regulatory Measure Status:	Active
Regulatory Measure Type:	Storm water industrial
Order Number:	2014-0057-DWQ
WDID:	9 37I021859

AMISTAR (Continued) **1000387986**

NPDES Number:	CAS000001
Adoption Date:	Not reported
Effective Date:	10/03/2008
Termination Date:	Not reported
Expiration/Review Date:	Not reported
Design Flow:	Not reported
Major/Minor:	Not reported
Complexity:	Not reported
TTWQ:	Not reported
Enforcement Actions within 5 years:	0
Violations within 5 years:	0
Latitude:	33.13977
Longitude:	-117.18977

CERS:

Name:	ONCORE MANUFACTURING SERVICES
Address:	237 VIA VERA CRUZ
City,State,Zip:	SAN MARCOS, CA 92078
Site ID:	53848
CERS ID:	726572
CERS Description:	Industrial Facility Storm Water

Violations:

Site ID:	53848
Site Name:	ONCORE MANUFACTURING SERVICES
Violation Date:	02-05-2015
Citation:	HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description:	Failure to establish and electronically submit an adequate training program in safety procedures in the event of a release or threatened release of a hazardous material.
Violation Notes:	Returned to compliance on 02/13/2015.
Violation Division:	San Diego County Department of Env Health
Violation Program:	HMRRP
Violation Source:	CERS,

Site ID:	53848
Site Name:	ONCORE MANUFACTURING SERVICES
Violation Date:	02-05-2015
Citation:	HSC 6.95 25508.1(f) - California Health and Safety Code, Chapter 6.95, Section(s) 25508.1(f)
Violation Description:	Failure to electronically update the business plan within 30 days of a substantial change.
Violation Notes:	Returned to compliance on 03/03/2015.
Violation Division:	San Diego County Department of Env Health
Violation Program:	HMRRP
Violation Source:	CERS,

Site ID:	53848
Site Name:	ONCORE MANUFACTURING SERVICES
Violation Date:	01-28-2022
Citation:	HSC 6.95 25508.2 - California Health and Safety Code, Chapter 6.95, Section(s) 25508.2
Violation Description:	Failure to annually review and electronically certify that the business plan is complete and accurate on or before the annual due date.
Violation Notes:	Returned to compliance on 01/28/2022. Inspection Sequence ID:6849637

AMISTAR (Continued) **1000387986**

Violation Division: San Diego County Department of Env Health
Violation Program: HMRRP
Violation Source: CERS,

Site ID: 53848
Site Name: ONCORE MANUFACTURING SERVICES
Violation Date: 02-05-2015
Citation: 22 CCR 12 66262.34(f) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.34(f)
Violation Description: Failure to properly label hazardous waste accumulation containers with the following requirements: "Hazardous Waste", name and address of the generator, physical and chemical characteristics of the Hazardous Waste, and starting accumulation date.
Violation Notes: Returned to compliance on 02/11/2015.
Violation Division: San Diego County Department of Env Health
Violation Program: HW
Violation Source: CERS,

Site ID: 53848
Site Name: ONCORE MANUFACTURING SERVICES
Violation Date: 02-05-2015
Citation: HSC 6.95 25508.2 - California Health and Safety Code, Chapter 6.95, Section(s) 25508.2
Violation Description: Failure to annually review and electronically certify that the business plan is complete, accurate, and up-to-date.
Violation Notes: Returned to compliance on 03/03/2015.
Violation Division: San Diego County Department of Env Health
Violation Program: HMRRP
Violation Source: CERS,

Site ID: 53848
Site Name: ONCORE MANUFACTURING SERVICES
Violation Date: 02-05-2015
Citation: HSC 6.95 25508(d) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(d)
Violation Description: Failure to complete and/or electronically submit a business plan when storing/handling a hazardous material at or above reportable quantities.
Violation Notes: Returned to compliance on 03/03/2015.
Violation Division: San Diego County Department of Env Health
Violation Program: HMRRP
Violation Source: CERS,

Evaluation:
Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-30-2019
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Inspector: Kieu Bridget Inspection ID:6102820
Eval Division: San Diego County Department of Env Health
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 02-02-2017
Violations Found: No
Eval Type: Routine done by local agency

AMISTAR (Continued) **1000387986**

Eval Notes:	Inspector: Walsh Todd Inspection ID:5602114
Eval Division:	San Diego County Department of Env Health
Eval Program:	HMRRP
Eval Source:	CERS,
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	02-05-2015
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Inspector: Chairs Michelle Inspection ID:4092717
Eval Division:	San Diego County Department of Env Health
Eval Program:	HMRRP
Eval Source:	CERS,
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	01-28-2022
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Inspector: Shoyeb Abida Inspection ID:6849637
Eval Division:	San Diego County Department of Env Health
Eval Program:	HW
Eval Source:	CERS,
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	01-30-2019
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Inspector: Kieu Bridget Inspection ID:6102820
Eval Division:	San Diego County Department of Env Health
Eval Program:	HW
Eval Source:	CERS,
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	02-05-2015
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Inspector: Chairs Michelle Inspection ID:4092717
Eval Division:	San Diego County Department of Env Health
Eval Program:	HW
Eval Source:	CERS,
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	02-02-2017
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Inspector: Walsh Todd Inspection ID:5602114
Eval Division:	San Diego County Department of Env Health
Eval Program:	HW
Eval Source:	CERS,
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	01-28-2022
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Inspector: Shoyeb Abida Inspection ID:6849637
Eval Division:	San Diego County Department of Env Health
Eval Program:	HMRRP

AMISTAR (Continued) **1000387986**

Eval Source: CERS,

Coordinates:
Site ID: 53848
Facility Name: ONCORE MANUFACTURING SERVICES
Env Int Type Code: HWG
Program ID: 10376509
Coord Name: Not reported
Ref Point Type Desc: Center of a facility or station.,
Latitude: 33.139880
Longitude: -117.188830

Affiliation:
Affiliation Type Desc: Environmental Contact
Entity Name: Jim Lauze
Entity Title: Not reported
Affiliation Address: 237 VIA VERA CRUZ
Affiliation City: SAN MARCOS
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 92078
Affiliation Phone: ,

Affiliation Type Desc: Legal Owner
Entity Name: Natel Engineering Company Inc
Entity Title: Not reported
Affiliation Address: 9340 Owensmouth Ave
Affiliation City: Chatsworth
Affiliation State: CA
Affiliation Country: United States
Affiliation Zip: 91311
Affiliation Phone: (818) 734-6500,

Affiliation Type Desc: Property Owner
Entity Name: BIXBY LAND CO
Entity Title: Not reported
Affiliation Address: 2211 MICHELSON DR #500
Affiliation City: IRVINE
Affiliation State: CA
Affiliation Country: United States
Affiliation Zip: 92612
Affiliation Phone: (949) 339-7000,

Affiliation Type Desc: Operator
Entity Name: OnCore Manufacturing LLC
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: (818) 734-6500,

Affiliation Type Desc: Identification Signer
Entity Name: Boann Garry
Entity Title: VP Operations

AMISTAR (Continued) **1000387986**

Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,
Affiliation Type Desc:	CUPA District
Entity Name:	San Diego County Env Health Qlty
Entity Title:	Not reported
Affiliation Address:	PO Box 129261
Affiliation City:	San Diego
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92112-9261
Affiliation Phone:	(858) 505-6880,
Affiliation Type Desc:	Document Preparer
Entity Name:	Boann Garry
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,
Affiliation Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	Not reported
Affiliation Address:	237 VIA VERA CRUZ
Affiliation City:	SAN MARCOS
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92078
Affiliation Phone:	,
Affiliation Type Desc:	Owner/Operator
Entity Name:	Oncore Manufactoring LLC
Entity Title:	Operator
Affiliation Address:	237 Via Vera Cruz
Affiliation City:	San Marcos
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92078
Affiliation Phone:	,
Affiliation Type Desc:	Parent Corporation
Entity Name:	ONCORE MANUFACTURING SERVICES
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,

AMISTAR (Continued) **1000387986**

Name: ONCORE MANUFACTURING SERVICES
Address: 237 VIA VERA CRUZ
City,State,Zip: SAN MARCOS, CA 92078
Site ID: 53848
CERS ID: 10376509
CERS Description: Chemical Storage Facilities

Violations:

Site ID: 53848
Site Name: ONCORE MANUFACTURING SERVICES
Violation Date: 02-05-2015
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description: Failure to establish and electronically submit an adequate training program in safety procedures in the event of a release or threatened release of a hazardous material.
Violation Notes: Returned to compliance on 02/13/2015.
Violation Division: San Diego County Department of Env Health
Violation Program: HMRRP
Violation Source: CERS,

Site ID: 53848
Site Name: ONCORE MANUFACTURING SERVICES
Violation Date: 02-05-2015
Citation: HSC 6.95 25508.1(f) - California Health and Safety Code, Chapter 6.95, Section(s) 25508.1(f)
Violation Description: Failure to electronically update the business plan within 30 days of a substantial change.
Violation Notes: Returned to compliance on 03/03/2015.
Violation Division: San Diego County Department of Env Health
Violation Program: HMRRP
Violation Source: CERS,

Site ID: 53848
Site Name: ONCORE MANUFACTURING SERVICES
Violation Date: 01-28-2022
Citation: HSC 6.95 25508.2 - California Health and Safety Code, Chapter 6.95, Section(s) 25508.2
Violation Description: Failure to annually review and electronically certify that the business plan is complete and accurate on or before the annual due date.
Violation Notes: Returned to compliance on 01/28/2022. Inspection Sequence ID:6849637
Violation Division: San Diego County Department of Env Health
Violation Program: HMRRP
Violation Source: CERS,

Site ID: 53848
Site Name: ONCORE MANUFACTURING SERVICES
Violation Date: 02-05-2015
Citation: 22 CCR 12 66262.34(f) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.34(f)
Violation Description: Failure to properly label hazardous waste accumulation containers with the following requirements: "Hazardous Waste", name and address of the generator, physical and chemical characteristics of the Hazardous Waste, and starting accumulation date.
Violation Notes: Returned to compliance on 02/11/2015.
Violation Division: San Diego County Department of Env Health
Violation Program: HW

AMISTAR (Continued) **1000387986**

Violation Source: CERS,

Site ID: 53848
Site Name: ONCORE MANUFACTURING SERVICES
Violation Date: 02-05-2015
Citation: HSC 6.95 25508.2 - California Health and Safety Code, Chapter 6.95, Section(s) 25508.2
Violation Description: Failure to annually review and electronically certify that the business plan is complete, accurate, and up-to-date.
Violation Notes: Returned to compliance on 03/03/2015.
Violation Division: San Diego County Department of Env Health
Violation Program: HMRRP
Violation Source: CERS,

Site ID: 53848
Site Name: ONCORE MANUFACTURING SERVICES
Violation Date: 02-05-2015
Citation: HSC 6.95 25508(d) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(d)
Violation Description: Failure to complete and/or electronically submit a business plan when storing/handling a hazardous material at or above reportable quantities.
Violation Notes: Returned to compliance on 03/03/2015.
Violation Division: San Diego County Department of Env Health
Violation Program: HMRRP
Violation Source: CERS,

Evaluation:
Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-30-2019
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Inspector: Kieu Bridget Inspection ID:6102820
Eval Division: San Diego County Department of Env Health
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 02-02-2017
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Inspector: Walsh Todd Inspection ID:5602114
Eval Division: San Diego County Department of Env Health
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 02-05-2015
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Inspector: Chairs Michelle Inspection ID:4092717
Eval Division: San Diego County Department of Env Health
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-28-2022

AMISTAR (Continued) **1000387986**

Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Inspector: Shoyeb Abida Inspection ID:6849637
Eval Division: San Diego County Department of Env Health
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-30-2019
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Inspector: Kieu Bridget Inspection ID:6102820
Eval Division: San Diego County Department of Env Health
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 02-05-2015
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Inspector: Chairs Michelle Inspection ID:4092717
Eval Division: San Diego County Department of Env Health
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 02-02-2017
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Inspector: Walsh Todd Inspection ID:5602114
Eval Division: San Diego County Department of Env Health
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-28-2022
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Inspector: Shoyeb Abida Inspection ID:6849637
Eval Division: San Diego County Department of Env Health
Eval Program: HMRRP
Eval Source: CERS,

Coordinates:
Site ID: 53848
Facility Name: ONCORE MANUFACTURING SERVICES
Env Int Type Code: HWG
Program ID: 10376509
Coord Name: Not reported
Ref Point Type Desc: Center of a facility or station.,
Latitude: 33.139880
Longitude: -117.188830

Affiliation:
Affiliation Type Desc: Environmental Contact
Entity Name: Jim Lauze

AMISTAR (Continued) **1000387986**

Entity Title:	Not reported
Affiliation Address:	237 VIA VERA CRUZ
Affiliation City:	SAN MARCOS
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92078
Affiliation Phone:	,
Affiliation Type Desc:	Legal Owner
Entity Name:	Natel Engineering Company Inc
Entity Title:	Not reported
Affiliation Address:	9340 Owensmouth Ave
Affiliation City:	Chatsworth
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	91311
Affiliation Phone:	(818) 734-6500,
Affiliation Type Desc:	Property Owner
Entity Name:	BIXBY LAND CO
Entity Title:	Not reported
Affiliation Address:	2211 MICHELSON DR #500
Affiliation City:	IRVINE
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	92612
Affiliation Phone:	(949) 339-7000,
Affiliation Type Desc:	Operator
Entity Name:	OnCore Manufacturing LLC
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	(818) 734-6500,
Affiliation Type Desc:	Identification Signer
Entity Name:	Boann Garry
Entity Title:	VP Operations
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,
Affiliation Type Desc:	CUPA District
Entity Name:	San Diego County Env Health Qlty
Entity Title:	Not reported
Affiliation Address:	PO Box 129261
Affiliation City:	San Diego
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92112-9261
Affiliation Phone:	(858) 505-6880,

AMISTAR (Continued) **1000387986**

Affiliation Type Desc:	Document Preparer
Entity Name:	Boann Garry
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,

Affiliation Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	Not reported
Affiliation Address:	237 VIA VERA CRUZ
Affiliation City:	SAN MARCOS
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92078
Affiliation Phone:	,

Affiliation Type Desc:	Owner/Operator
Entity Name:	Oncore Manufactoring LLC
Entity Title:	Operator
Affiliation Address:	237 Via Vera Cruz
Affiliation City:	San Marcos
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92078
Affiliation Phone:	,

Affiliation Type Desc:	Parent Corporation
Entity Name:	ONCORE MANUFACTURING SERVICES
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,

HWTS:

Name:	AMISTAR
Address:	237 VIA VERA CRUZ
Address 2:	Not reported
City,State,Zip:	SAN MARCOS, CA 92078
EPA ID:	CAD982470445
Inactive Date:	06/30/2008
Create Date:	06/15/1989
Last Act Date:	Not reported
Mailing Name:	Not reported
Mailing Address:	1269 LINDA VISTA DR
Mailing Address 2:	Not reported
Mailing City,State,Zip:	SAN MARCOS, CA 920780000
Owner Name:	AMISTAR CORP(BOARD OF DIRS.)
Owner Address:	237 VIA VERA CRUZ
Owner Address 2:	Not reported

AMISTAR (Continued) **1000387986**

Owner City,State,Zip:	SAN MARCOS, CA 920690000
Contact Name:	BILL LONGDAIL MFG MGR
Contact Address:	237 VIA VERA CRUZ
Contact Address 2:	Not reported
City,State,Zip:	SAN MARCOS, CA 920690000
Facility Status:	Inactive
Facility Type:	PERMANENT
Category:	FEDERAL
Latitude:	33.139632
Longitude:	-117.189693

NAICS:

EPA ID:	CAD982470445
Create Date:	2005-09-27 15:01:35.000
NAICS Code:	334417
NAICS Description:	Electronic Connector Manufacturing
Issued EPA ID Date:	1989-06-15 00:00:00
Inactive Date:	2008-06-30 00:00:00
Facility Name:	AMISTAR
Facility Address:	237 VIA VERA CRUZ
Facility Address 2:	Not reported
Facility City:	SAN MARCOS
Facility County:	Not reported
Facility State:	CA
Facility Zip:	920782617

M83 **ONCORE MANUFACTURING SERVICES** **RCRA NonGen / NLR** **1024828706**
West **237 VIA VERA CRUZ** **CAL000360819**
< 1/8 **SAN MARCOS, CA 92078**
0.097 mi.
510 ft. **Site 2 of 2 in cluster M**

Relative:
Lower

Actual:
540 ft.

RCRA Listings:

Date Form Received by Agency:	20110204
Handler Name:	ONCORE MANUFACTURING SERVICES
Handler Address:	237 VIA VERA CRUZ
Handler City,State,Zip:	SAN MARCOS, CA 92078-2617
EPA ID:	CAL000360819
Contact Name:	KURT T BOESS
Contact Address:	237 VIA VERA CRUZ
Contact City,State,Zip:	SAN MARCOS, CA 92078
Contact Telephone:	760-798-3267
Contact Fax:	760-737-6776
Contact Email:	KURT.BOESS@ONCOREMS.COM
Contact Title:	Not reported
EPA Region:	09
Land Type:	Not reported
Federal Waste Generator Description:	Not a generator, verified
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Handler Activities
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	237 VIA VERA CRUZ
Mailing City,State,Zip:	SAN MARCOS, CA 92078-2617
Owner Name:	NATEL ENGINEERING CO INC

ONCORE MANUFACTURING SERVICES (Continued) **1024828706**

Owner Type:		Other
Operator Name:	KURT T BOESS	
Operator Type:		Other
Short-Term Generator Activity:		No
Importer Activity:		No
Mixed Waste Generator:		No
Transporter Activity:		No
Transfer Facility Activity:		No
Recycler Activity with Storage:		No
Small Quantity On-Site Burner Exemption:		No
Smelting Melting and Refining Furnace Exemption:		No
Underground Injection Control:		No
Off-Site Waste Receipt:		No
Universal Waste Indicator:		Yes
Universal Waste Destination Facility:		Yes
Federal Universal Waste:		No
Active Site Fed-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site Converter Treatment storage and Disposal Facility:		Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site State-Reg Handler:		---
Federal Facility Indicator:		Not reported
Hazardous Secondary Material Indicator:		N
Sub-Part K Indicator:		Not reported
Commercial TSD Indicator:		No
Treatment Storage and Disposal Type:		Not reported
2018 GPRA Permit Baseline:		Not on the Baseline
2018 GPRA Renewals Baseline:		Not on the Baseline
Permit Renewals Workload Universe:		Not reported
Permit Workload Universe:		Not reported
Permit Progress Universe:		Not reported
Post-Closure Workload Universe:		Not reported
Closure Workload Universe:		Not reported
202 GPRA Corrective Action Baseline:		No
Corrective Action Workload Universe:		No
Subject to Corrective Action Universe:		No
Non-TSDFs Where RCRA CA has Been Imposed Universe:		No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:		No
TSDFs Only Subject to CA under Discretionary Auth Universe:		No
Corrective Action Priority Ranking:		No NCAPS ranking
Environmental Control Indicator:		No
Institutional Control Indicator:		No
Human Exposure Controls Indicator:		N/A
Groundwater Controls Indicator:		N/A
Operating TSDF Universe:		Not reported
Full Enforcement Universe:		Not reported
Significant Non-Complier Universe:		No
Unaddressed Significant Non-Complier Universe:		No
Addressed Significant Non-Complier Universe:		No
Significant Non-Complier With a Compliance Schedule Universe:		No
Financial Assurance Required:		Not reported
Handler Date of Last Change:		20180905
Recognized Trader-Importer:		No
Recognized Trader-Exporter:		No
Importer of Spent Lead Acid Batteries:		No
Exporter of Spent Lead Acid Batteries:		No
Recycler Activity Without Storage:		No
Manifest Broker:		No

ONCORE MANUFACTURING SERVICES (Continued) **1024828706**

Sub-Part P Indicator: No

Handler - Owner Operator:
Owner/Operator Indicator: Operator
Owner/Operator Name: KURT T BOESS
Legal Status: Other
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: 237 VIA VERA CRUZ
Owner/Operator City,State,Zip: SAN MARCOS, CA 92078
Owner/Operator Telephone: 760-798-3267
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner
Owner/Operator Name: NATEL ENGINEERING CO INC
Legal Status: Other
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: 9340 OWENSMOUTH AVENUE
Owner/Operator City,State,Zip: CHATSWORTH, CA 91311-0000
Owner/Operator Telephone: 818-495-8617
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:
Receive Date: 20110204
Handler Name: ONCORE MANUFACTURING SERVICES
Federal Waste Generator Description: Not a generator, verified
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Code: 334419
NAICS Description: OTHER ELECTRONIC COMPONENT MANUFACTURING

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

L84 **BRAKE STOP & AUTO REPAIR** **RCRA NonGen / NLR** **1025868159**
West **207 VIA VERA CRUZ** **CAL000353195**
< 1/8 **SAN MARCOS, CA 92078**
0.097 mi.
511 ft. **Site 5 of 13 in cluster L**

Relative: **Lower**
Actual: **540 ft.**

RCRA Listings:

Date Form Received by Agency:	20100609
Handler Name:	BRAKE STOP & AUTO REPAIR
Handler Address:	207 VIA VERA CRUZ
Handler City,State,Zip:	SAN MARCOS, CA 92078-2617
EPA ID:	CAL000353195
Contact Name:	RICHARD CARDONA/MANAGER
Contact Address:	207 VIA VERA CRUZ
Contact City,State,Zip:	SAN MARCOS, CA 92078
Contact Telephone:	619-654-0179
Contact Fax:	760-471-0190
Contact Email:	BRAKESTOPSANMARCOS@HOTMAIL.COM
Contact Title:	Not reported
EPA Region:	09
Land Type:	Not reported
Federal Waste Generator Description:	Not a generator, verified
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Handler Activities
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	207 VIA VERA CRUZ
Mailing City,State,Zip:	SAN MARCOS, CA 92078-2617
Owner Name:	OMAR TAPIA
Owner Type:	Other
Operator Name:	RICHARD CARDONA/MANAGER
Operator Type:	Other
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	Yes
Universal Waste Destination Facility:	Yes
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported

BRAKE STOP & AUTO REPAIR (Continued) **1025868159**

Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20190729
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Operator
Owner/Operator Name: RICHARD CARDONA/MANAGER	
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	207 VIA VERA CRUZ
Owner/Operator City,State,Zip:	SAN MARCOS, CA 92078
Owner/Operator Telephone:	619-654-0179
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Owner
Owner/Operator Name: OMAR TAPIA	
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	207 VIA VERA CRUZ
Owner/Operator City,State,Zip:	SAN MARCOS, CA 92078-0000
Owner/Operator Telephone:	760-510-0000
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

BRAKE STOP & AUTO REPAIR (Continued) **1025868159**

Historic Generators:
Receive Date: 20100609
Handler Name: BRAKE STOP & AUTO REPAIR
Federal Waste Generator Description: Not a generator, verified
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: Not reported
Recognized Trader Exporter: Not reported
Spent Lead Acid Battery Importer: Not reported
Spent Lead Acid Battery Exporter: Not reported
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Code: 811111
NAICS Description: GENERAL AUTOMOTIVE REPAIR

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

L85 **BRAKE STOP & AUTO REPAIR** **San Diego Co. HMMD** **S104749201**
West **207 VIA VERA CRUZ** **CERS HAZ WASTE** **N/A**
< 1/8 **SAN MARCOS, CA 92078** **CERS**
0.097 mi. **HWTS**
511 ft. **Site 6 of 13 in cluster L**

Relative: **Lower**
Actual: **540 ft.**

HMMD SAN DIEGO:
Name: LIGHT AUTO REPAIR
Address: 207 VIA VERA CRUZ
City,State,Zip: SAN MARCOS, CA 92078
Permit Number: 200336
Business Type: 6HK26
EPA Id Number: CAL000203298
APN: 219-152-69-00
Last HMMD Inspection: 11/19/2003
Facility Telephone: 760-471-2059
Permit Status: INAC
Permit Expiration: 08/31/2005
Date Last Updated: 11/02/2012
Facility Owner: MAL HOAN PARK
Facility Mailing Address: 11593 CAMINITO CORRIENTE
Facility Mailing City: SAN DIEGO
Facility Mailing State: CA
Facility Mailing Zip: 92128
UST Owner: Not reported
Handle Regulated Hazmat: Not reported
Own Or Operate UST: Not reported
Subject To APSA: Not reported
Generate Haz Waste: Not reported
Treat Haz Waste: Not reported
Generate Medical Waste: Not reported

BRAKE STOP & AUTO REPAIR (Continued) **S104749201**

Violations Inactive Permits:

Permit Number:	200336
Update Date:	11/02/2012
Inspection Date:	11/19/2003
Violation Code:	6HV0402
Violation:	TRAINING PROGRAM NOT ADEQUATE
Violation Citation:	Personnel training is not adequate to ensure compliance with hazardous waste regulations. CCR 66265.16(a)&(b)
Activity:	Inactive Permit

Name:	LIGHT AUTO REPAIR
Address:	207 VIA VERA CRUZ
City,State,Zip:	SAN MARCOS, CA 92078
Permit Number:	200336
Business Type:	6HK26
EPA Id Number:	CAL000203298
APN:	219-152-69-00
Last HMMD Inspection:	11/19/2003
Facility Telephone:	760-471-2059
Permit Status:	INAC
Permit Expiration:	08/31/2005
Date Last Updated:	11/02/2012
Facility Owner:	MAL HOAN PARK
Facility Mailing Address:	11593 CAMINITO CORRIENTE
Facility Mailing City:	SAN DIEGO
Facility Mailing State:	CA
Facility Mailing Zip:	92128
UST Owner:	Not reported
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Not reported
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

Violations Inactive Permits:

Permit Number:	200336
Update Date:	11/02/2012
Inspection Date:	11/19/2003
Violation Code:	6HV0402
Violation:	TRAINING PROGRAM NOT ADEQUATE
Violation Citation:	Personnel training is not adequate to ensure compliance with hazardous waste regulations. CCR 66265.16(a)&(b)
Activity:	Inactive Permit

Name:	LIGHT AUTO REPAIR
Address:	207 VIA VERA CRUZ
City,State,Zip:	SAN MARCOS, CA 92078
Permit Number:	205336
Business Type:	6HK26
EPA Id Number:	CAL000290477
APN:	219-152-69-00
Last HMMD Inspection:	08/19/2008
Facility Telephone:	760-471-2059
Permit Status:	INAC

BRAKE STOP & AUTO REPAIR (Continued) **S104749201**

Permit Expiration:	10/31/2009
Date Last Updated:	11/02/2012
Facility Owner:	RACC EM, INC
Facility Mailing Address:	207 VIA VERA CRUZ
Facility Mailing City:	SAN MARCOS
Facility Mailing State:	CA
Facility Mailing Zip:	92078
UST Owner:	Not reported
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Not reported
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

Name:	BRAKE STOP & AUTO REPAIR
Address:	207 VIA VERA CRUZ
City,State,Zip:	SAN MARCOS, CA 92078
Permit Number:	212147
Business Type:	6HK26
EPA Id Number:	Not reported
APN:	219-152-69-00
Last HMMD Inspection:	05/26/2010
Facility Telephone:	760-510-0000
Permit Status:	OPEN
Permit Expiration:	08/31/2013
Date Last Updated:	11/02/2012
Facility Owner:	BRAKE STOP & AUTO REPAIR
Facility Mailing Address:	207 VIA VERA CRUZ
Facility Mailing City:	SAN MARCOS
Facility Mailing State:	CA
Facility Mailing Zip:	92078
UST Owner:	Not reported
Handle Regulated Hazmat:	Y
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Y
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

Inventory Active Permits (not SQG Medical):

Permit Number:	212147
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 221 WASTE OIL & MIXED OIL
Other Information:	WASTE OIL
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Permit Number:	212147
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 342 ORGANIC LIQUIDS W/METALS
Other Information:	ANTIFREEZE
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

BRAKE STOP & AUTO REPAIR (Continued) **S104749201**

Permit Number: 212147
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 444 USED BATTERIES
Other Information: LEAD ACID BATTERIES
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 212147
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 888 USED OIL FILTERS
Other Information: USED OIL FILTERS
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Name: BRAKE STOP & AUTO REPAIR
Address: 207 VIA VERA CRUZ
City,State,Zip: SAN MARCOS, CA 92078
Permit Number: 212147
Business Type: 6HK26
EPA Id Number: Not reported
APN: 219-152-69-00
Last HMMD Inspection: 05/26/2010
Facility Telephone: 760-510-0000
Permit Status: OPEN
Permit Expiration: 08/31/2013
Date Last Updated: 11/02/2012
Facility Owner: BRAKE STOP & AUTO REPAIR
Facility Mailing Address: 207 VIA VERA CRUZ
Facility Mailing City: SAN MARCOS
Facility Mailing State: CA
Facility Mailing Zip: 92078
UST Owner: Not reported
Handle Regulated Hazmat: Not reported
Own Or Operate UST: Not reported
Subject To APSA: Not reported
Generate Haz Waste: Not reported
Treat Haz Waste: Not reported
Generate Medical Waste: Not reported

Inventory Active Permits (not SQG Medical):
Permit Number: 212147
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 221 WASTE OIL & MIXED OIL
Other Information: WASTE OIL
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 212147
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 342 ORGANIC LIQUIDS W/METALS

BRAKE STOP & AUTO REPAIR (Continued) **S104749201**

Other Information: ANTIFREEZE
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 212147
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 444 USED BATTERIES
Other Information: LEAD ACID BATTERIES
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 212147
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 888 USED OIL FILTERS
Other Information: USED OIL FILTERS
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Name: BRAKE STOP & AUTO REPAIR
Address: 207 VIA VERA CRUZ
City,State,Zip: SAN MARCOS, CA 92078
Permit Number: 212147
Business Type: 6HK26
EPA Id Number: Not reported
APN: 219-152-69-00
Last HMMD Inspection: 05/26/2010
Facility Telephone: 760-510-0000
Permit Status: OPEN
Permit Expiration: 08/31/2013
Date Last Updated: 11/02/2012
Facility Owner: BRAKE STOP & AUTO REPAIR
Facility Mailing Address: 207 VIA VERA CRUZ
Facility Mailing City: SAN MARCOS
Facility Mailing State: CA
Facility Mailing Zip: 92078
UST Owner: Not reported
Handle Regulated Hazmat: Not reported
Own Or Operate UST: Not reported
Subject To APSA: Not reported
Generate Haz Waste: Not reported
Treat Haz Waste: Not reported
Generate Medical Waste: Not reported

Inventory Active Permits (not SQG Medical):
Permit Number: 212147
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 221 WASTE OIL & MIXED OIL
Other Information: WASTE OIL
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

BRAKE STOP & AUTO REPAIR (Continued) **S104749201**

Permit Number:	212147
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 342 ORGANIC LIQUIDS W/METALS
Other Information:	ANTIFREEZE
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Permit Number:	212147
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 444 USED BATTERIES
Other Information:	LEAD ACID BATTERIES
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Permit Number:	212147
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 888 USED OIL FILTERS
Other Information:	USED OIL FILTERS
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Name:	BRAKE STOP & AUTO REPAIR
Address:	207 VIA VERA CRUZ
City,State,Zip:	SAN MARCOS, CA 92078
Permit Number:	212147
Business Type:	6HK26
EPA Id Number:	Not reported
APN:	219-152-69-00
Last HMMD Inspection:	05/26/2010
Facility Telephone:	760-510-0000
Permit Status:	OPEN
Permit Expiration:	08/31/2013
Date Last Updated:	11/02/2012
Facility Owner:	BRAKE STOP & AUTO REPAIR
Facility Mailing Address:	207 VIA VERA CRUZ
Facility Mailing City:	SAN MARCOS
Facility Mailing State:	CA
Facility Mailing Zip:	92078
UST Owner:	Not reported
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Not reported
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

Inventory Active Permits (not SQG Medical):

Permit Number:	212147
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 221 WASTE OIL & MIXED OIL

BRAKE STOP & AUTO REPAIR (Continued) **S104749201**

Other Information:	WASTE OIL
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported
Permit Number:	212147
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 342 ORGANIC LIQUIDS W/METALS
Other Information:	ANTIFREEZE
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported
Permit Number:	212147
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 444 USED BATTERIES
Other Information:	LEAD ACID BATTERIES
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported
Permit Number:	212147
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 888 USED OIL FILTERS
Other Information:	USED OIL FILTERS
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported
Name:	BRAKE STOP & AUTO REPAIR
Address:	207 VIA VERA CRUZ
City,State,Zip:	SAN MARCOS, CA 92078
Permit Number:	212147
Business Type:	6HK26
EPA Id Number:	Not reported
APN:	219-152-69-00
Last HMMD Inspection:	05/26/2010
Facility Telephone:	760-510-0000
Permit Status:	OPEN
Permit Expiration:	08/31/2013
Date Last Updated:	11/02/2012
Facility Owner:	BRAKE STOP & AUTO REPAIR
Facility Mailing Address:	207 VIA VERA CRUZ
Facility Mailing City:	SAN MARCOS
Facility Mailing State:	CA
Facility Mailing Zip:	92078
UST Owner:	Not reported
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Not reported
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

BRAKE STOP & AUTO REPAIR (Continued) **S104749201**

Inventory Active Permits (not SQG Medical):

Permit Number:	212147
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 221 WASTE OIL & MIXED OIL
Other Information:	WASTE OIL
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Permit Number:	212147
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 342 ORGANIC LIQUIDS W/METALS
Other Information:	ANTIFREEZE
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Permit Number:	212147
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 444 USED BATTERIES
Other Information:	LEAD ACID BATTERIES
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Permit Number:	212147
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 888 USED OIL FILTERS
Other Information:	USED OIL FILTERS
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Name:	BRAKE STOP & AUTO REPAIR
Address:	207 VIA VERA CRUZ
City,State,Zip:	SAN MARCOS, CA 92078
Permit Number:	212147
Business Type:	6HK26
EPA Id Number:	Not reported
APN:	219-152-69-00
Last HMMD Inspection:	05/26/2010
Facility Telephone:	760-510-0000
Permit Status:	OPEN
Permit Expiration:	08/31/2013
Date Last Updated:	11/02/2012
Facility Owner:	BRAKE STOP & AUTO REPAIR
Facility Mailing Address:	207 VIA VERA CRUZ
Facility Mailing City:	SAN MARCOS
Facility Mailing State:	CA
Facility Mailing Zip:	92078
UST Owner:	Not reported
Handle Regulated Hazmat:	Not reported

BRAKE STOP & AUTO REPAIR (Continued) **S104749201**

Own Or Operate UST: Not reported
Subject To APSA: Not reported
Generate Haz Waste: Not reported
Treat Haz Waste: Not reported
Generate Medical Waste: Not reported

Inventory Active Permits (not SQG Medical):
Permit Number: 212147
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 221 WASTE OIL & MIXED OIL
Other Information: WASTE OIL
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 212147
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 342 ORGANIC LIQUIDS W/METALS
Other Information: ANTIFREEZE
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 212147
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 444 USED BATTERIES
Other Information: LEAD ACID BATTERIES
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 212147
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 888 USED OIL FILTERS
Other Information: USED OIL FILTERS
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Name: BRAKE STOP & AUTO REPAIR
Address: 207 VIA VERA CRUZ
City,State,Zip: SAN MARCOS, CA 92078
Permit Number: 212147
Business Type: 6HK26
EPA Id Number: Not reported
APN: 219-152-69-00
Last HMMD Inspection: 05/26/2010
Facility Telephone: 760-510-0000
Permit Status: OPEN
Permit Expiration: 08/31/2013
Date Last Updated: 11/02/2012
Facility Owner: BRAKE STOP & AUTO REPAIR
Facility Mailing Address: 207 VIA VERA CRUZ

BRAKE STOP & AUTO REPAIR (Continued) **S104749201**

Facility Mailing City:	SAN MARCOS
Facility Mailing State:	CA
Facility Mailing Zip:	92078
UST Owner:	Not reported
Handle Regulated Hazmat:	Y
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Y
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

Inventory Active Permits (not SQG Medical):

Permit Number:	212147
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 221 WASTE OIL & MIXED OIL
Other Information:	WASTE OIL
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Permit Number:	212147
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 342 ORGANIC LIQUIDS W/METALS
Other Information:	ANTIFREEZE
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Permit Number:	212147
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 444 USED BATTERIES
Other Information:	LEAD ACID BATTERIES
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Permit Number:	212147
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 888 USED OIL FILTERS
Other Information:	USED OIL FILTERS
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Name:	BRAKE STOP & AUTO REPAIR
Address:	207 VIA VERA CRUZ
City,State,Zip:	SAN MARCOS, CA 92078
Permit Number:	212147
Business Type:	6HK26
EPA Id Number:	Not reported
APN:	219-152-69-00
Last HMMD Inspection:	05/26/2010
Facility Telephone:	760-510-0000

BRAKE STOP & AUTO REPAIR (Continued) **S104749201**

Permit Status:	OPEN
Permit Expiration:	08/31/2013
Date Last Updated:	11/02/2012
Facility Owner:	BRAKE STOP & AUTO REPAIR
Facility Mailing Address:	207 VIA VERA CRUZ
Facility Mailing City:	SAN MARCOS
Facility Mailing State:	CA
Facility Mailing Zip:	92078
UST Owner:	Not reported
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Not reported
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

Inventory Active Permits (not SQG Medical):

Permit Number:	212147
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 221 WASTE OIL & MIXED OIL
Other Information:	WASTE OIL
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Permit Number:	212147
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 342 ORGANIC LIQUIDS W/METALS
Other Information:	ANTIFREEZE
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Permit Number:	212147
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 444 USED BATTERIES
Other Information:	LEAD ACID BATTERIES
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Permit Number:	212147
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 888 USED OIL FILTERS
Other Information:	USED OIL FILTERS
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Name:	BRAKE STOP & AUTO REPAIR
Address:	207 VIA VERA CRUZ
City,State,Zip:	SAN MARCOS, CA 92078
Permit Number:	212147

BRAKE STOP & AUTO REPAIR (Continued) **S104749201**

Business Type:	6HK26
EPA Id Number:	Not reported
APN:	219-152-69-00
Last HMMD Inspection:	05/26/2010
Facility Telephone:	760-510-0000
Permit Status:	OPEN
Permit Expiration:	08/31/2013
Date Last Updated:	11/02/2012
Facility Owner:	BRAKE STOP & AUTO REPAIR
Facility Mailing Address:	207 VIA VERA CRUZ
Facility Mailing City:	SAN MARCOS
Facility Mailing State:	CA
Facility Mailing Zip:	92078
UST Owner:	Not reported
Handle Regulated Hazmat:	Y
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Y
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

Inventory Active Permits (not SQG Medical):

Permit Number:	212147
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 221 WASTE OIL & MIXED OIL
Other Information:	WASTE OIL
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Permit Number:	212147
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 342 ORGANIC LIQUIDS W/METALS
Other Information:	ANTIFREEZE
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Permit Number:	212147
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 444 USED BATTERIES
Other Information:	LEAD ACID BATTERIES
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Permit Number:	212147
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 888 USED OIL FILTERS
Other Information:	USED OIL FILTERS
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

BRAKE STOP & AUTO REPAIR (Continued) **S104749201**

Name:	BRAKE STOP & AUTO REPAIR
Address:	207 VIA VERA CRUZ
City,State,Zip:	SAN MARCOS, CA 92078
Permit Number:	212147
Business Type:	6HK26
EPA Id Number:	Not reported
APN:	219-152-69-00
Last HMMD Inspection:	05/26/2010
Facility Telephone:	760-510-0000
Permit Status:	OPEN
Permit Expiration:	08/31/2013
Date Last Updated:	11/02/2012
Facility Owner:	BRAKE STOP & AUTO REPAIR
Facility Mailing Address:	207 VIA VERA CRUZ
Facility Mailing City:	SAN MARCOS
Facility Mailing State:	CA
Facility Mailing Zip:	92078
UST Owner:	Not reported
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Not reported
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

Inventory Active Permits (not SQG Medical):

Permit Number:	212147
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 221 WASTE OIL & MIXED OIL
Other Information:	WASTE OIL
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Permit Number:	212147
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 342 ORGANIC LIQUIDS W/METALS
Other Information:	ANTIFREEZE
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Permit Number:	212147
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 444 USED BATTERIES
Other Information:	LEAD ACID BATTERIES
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Permit Number:	212147
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 888 USED OIL FILTERS
Other Information:	USED OIL FILTERS

BRAKE STOP & AUTO REPAIR (Continued) **S104749201**

Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Name:	BRAKE STOP & AUTO REPAIR
Address:	207 VIA VERA CRUZ
City,State,Zip:	SAN MARCOS, CA 92078
Permit Number:	Not reported
Business Type:	Not reported
EPA Id Number:	CAL000353195
APN:	Not reported
Last HMMD Inspection:	Not reported
Facility Telephone:	760-510-0000
Permit Status:	Permit Renewed
Permit Expiration:	Not reported
Date Last Updated:	01/15/2022
Facility Owner:	Not reported
Facility Mailing Address:	207 VIA VERA CRUZ, SAN MARCOS, CA 92078
Facility Mailing City:	Not reported
Facility Mailing State:	Not reported
Facility Mailing Zip:	Not reported
UST Owner:	N
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Y
Treat Haz Waste:	N
Generate Medical Waste:	Not reported

Inspection Violation:

Record ID:	DEH2010-HUPFP-212147
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-212147
Program Element:	Hazardous Materials Release Response Plans
Inspection Type:	Routine
Inspection Number:	5646749
Return To Compliance Date:	2018-06-25T00:00:00.000
Nov:	No
Violation Classification:	Minor
Underground Storage Tank Id:	Not reported
Container/Tank Id:	Not reported
Last Update:	2022-01-15T02:06:54.000
Inspection Date:	2017-04-06T12:39:00.000
Violation Code:	1020002 Initial and/or annual employee training not conducted for hazardous materials management and/or employee training records not available or not maintained for 3 years. HSC 25505(a)(4)

Record ID:	DEH2010-HUPFP-212147
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-212147
Program Element:	Hazardous Waste Generator
Inspection Type:	Routine
Inspection Number:	4621728
Return To Compliance Date:	2015-03-23T00:00:00.000
Nov:	No

BRAKE STOP & AUTO REPAIR (Continued) **S104749201**

Violation Classification:	Minor
Underground Storage Tank Id:	Not reported
Container/Tank Id:	Not reported
Last Update:	2022-01-15T02:06:54.000
Inspection Date:	2015-03-19T00:00:00.000
Violation Code:	3010010 Failure to maintain uniform hazardous waste manifest, consolidated manifest, or bills of lading copies for three years.; 22 CCR 12 66262.40(a).
Record ID:	DEH2010-HUPFP-212147
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-212147
Program Element:	Hazardous Waste Generator
Inspection Type:	Routine
Inspection Number:	5646749
Return To Compliance Date:	2018-06-25T00:00:00.000
Nov:	No
Violation Classification:	Minor
Underground Storage Tank Id:	Not reported
Container/Tank Id:	Not reported
Last Update:	2022-01-15T02:06:54.000
Inspection Date:	2017-04-06T12:39:00.000
Violation Code:	3010010 Failed to maintain uniform hazardous waste manifest, consolidated manifest, or bills of lading copies for 3 years. HSC 25160.2(b)(3), 25185(a)(4); 22 CCR 66262.40(a)
Record ID:	DEH2010-HUPFP-212147
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-212147
Program Element:	Hazardous Materials Release Response Plans
Inspection Type:	Routine
Inspection Number:	5646749
Return To Compliance Date:	2017-04-06T00:00:00.000
Nov:	No
Violation Classification:	Class II
Underground Storage Tank Id:	Not reported
Container/Tank Id:	Not reported
Last Update:	2022-01-15T02:06:54.000
Inspection Date:	2017-04-06T12:39:00.000
Violation Code:	1010004 Chemical inventory incomplete or not submitted in CERS. HSC 25505(a)(1); 25506; 25507; and 25508(a)(1)(A)
Record ID:	DEH2010-HUPFP-212147
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-212147
Program Element:	Hazardous Waste Generator
Inspection Type:	Routine
Inspection Number:	6141021
Return To Compliance Date:	2019-06-28T00:00:00.000
Nov:	No
Violation Classification:	Minor
Underground Storage Tank Id:	Not reported
Container/Tank Id:	Not reported
Last Update:	2022-01-15T02:06:54.000

BRAKE STOP & AUTO REPAIR (Continued) **S104749201**

Inspection Date: 2019-01-30T00:00:00.000
Violation Code: 3010002 Failed to obtain &/or maintain an active EPA ID Number. 22 CCR 66262.12(a)

Waste and Materials:

Record ID: DEH2010-HUPFP-212147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HCHEM-0148778
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2019-09-20T02:30:53.000
Chemical Name: Motor Oil and ATF
Common Name: Motor Oil and ATF
Case Number: Not reported

Record ID: DEH2010-HUPFP-212147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HWAST-0127105
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2019-09-20T02:30:53.000
Chemical Name: Ethylene Glycol
Common Name: Waste and Good Antifreeze
Case Number: Not reported

Record ID: DEH2010-HUPFP-212147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HWAST-0127106
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2019-09-20T02:30:53.000
Chemical Name: Waste Motor Oil
Common Name: Waste Motor Oil
Case Number: Not reported

Record ID: DEH2010-HUPFP-212147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HWAST-0127107
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2019-09-20T02:30:53.000
Chemical Name: PARTS WASHER
Common Name: PARTS WASHER
Case Number: Not reported

Record ID: DEH2010-HUPFP-212147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HWAST-0227956
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2022-01-15T02:06:54.000
Chemical Name: Ethylene Glycol

BRAKE STOP & AUTO REPAIR (Continued) **S104749201**

Common Name: Waste
Case Number: Not reported

Record ID: DEH2010-HUPFP-212147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HWAST-0227957
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2022-01-15T02:06:54.000
Chemical Name: Waste Motor Oil
Common Name: Waste Motor Oil
Case Number: Not reported

Record ID: DEH2010-HUPFP-212147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HWAST-0227958
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2022-01-15T02:06:54.000
Chemical Name: PARTS WASHER
Common Name: PARTS WASHER
Case Number: Not reported

Record ID: DEH2010-HUPFP-212147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2015-HCHEM-0058728
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2016-08-25T02:30:52.000
Chemical Name: Motor Oil and ATF
Common Name: Motor Oil and ATF
Case Number: Not reported

Record ID: DEH2010-HUPFP-212147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2015-HWAST-0044348
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2016-08-25T02:30:52.000
Chemical Name: Ethylene Glycol
Common Name: Waste and Good Antifreeze
Case Number: Not reported

Record ID: DEH2010-HUPFP-212147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2015-HWAST-0044349
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2016-08-25T02:30:52.000
Chemical Name: Waste Motor Oil
Common Name: Waste Motor Oil
Case Number: Not reported

BRAKE STOP & AUTO REPAIR (Continued) **S104749201**

Name:	LIGHT AUTO REPAIR
Address:	207 VIA VERA CRUZ
City,State,Zip:	SAN MARCOS, CA 92078
Permit Number:	205336
Business Type:	6HK26
EPA Id Number:	CAL000290477
APN:	219-152-69-00
Last HMMD Inspection:	08/19/2008
Facility Telephone:	760-471-2059
Permit Status:	INAC
Permit Expiration:	10/31/2009
Date Last Updated:	11/02/2012
Facility Owner:	RACC EM, INC
Facility Mailing Address:	207 VIA VERA CRUZ
Facility Mailing City:	SAN MARCOS
Facility Mailing State:	CA
Facility Mailing Zip:	92078
UST Owner:	Not reported
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Not reported
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

Name:	LIGHT AUTO REPAIR
Address:	207 VIA VERA CRUZ
City,State,Zip:	SAN MARCOS, CA 92078
Permit Number:	205336
Business Type:	6HK26
EPA Id Number:	CAL000290477
APN:	219-152-69-00
Last HMMD Inspection:	08/19/2008
Facility Telephone:	760-471-2059
Permit Status:	INAC
Permit Expiration:	10/31/2009
Date Last Updated:	11/02/2012
Facility Owner:	RACC EM, INC
Facility Mailing Address:	207 VIA VERA CRUZ
Facility Mailing City:	SAN MARCOS
Facility Mailing State:	CA
Facility Mailing Zip:	92078
UST Owner:	Not reported
Handle Regulated Hazmat:	Y
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Y
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

Name:	LIGHT AUTO REPAIR
Address:	207 VIA VERA CRUZ
City,State,Zip:	SAN MARCOS, CA 92078
Permit Number:	205336
Business Type:	6HK26
EPA Id Number:	CAL000290477
APN:	219-152-69-00

BRAKE STOP & AUTO REPAIR (Continued) **S104749201**

Last HMMD Inspection:	08/19/2008
Facility Telephone:	760-471-2059
Permit Status:	INAC
Permit Expiration:	10/31/2009
Date Last Updated:	11/02/2012
Facility Owner:	RACC EM, INC
Facility Mailing Address:	207 VIA VERA CRUZ
Facility Mailing City:	SAN MARCOS
Facility Mailing State:	CA
Facility Mailing Zip:	92078
UST Owner:	Not reported
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Not reported
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

Name:	LIGHT AUTO REPAIR
Address:	207 VIA VERA CRUZ
City,State,Zip:	SAN MARCOS, CA 92078
Permit Number:	205336
Business Type:	6HK26
EPA Id Number:	CAL000290477
APN:	219-152-69-00
Last HMMD Inspection:	08/19/2008
Facility Telephone:	760-471-2059
Permit Status:	INAC
Permit Expiration:	10/31/2009
Date Last Updated:	11/02/2012
Facility Owner:	RACC EM, INC
Facility Mailing Address:	207 VIA VERA CRUZ
Facility Mailing City:	SAN MARCOS
Facility Mailing State:	CA
Facility Mailing Zip:	92078
UST Owner:	Not reported
Handle Regulated Hazmat:	Y
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Y
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

Name:	LIGHT AUTO REPAIR
Address:	207 VIA VERA CRUZ
City,State,Zip:	SAN MARCOS, CA 92078
Permit Number:	205336
Business Type:	6HK26
EPA Id Number:	CAL000290477
APN:	219-152-69-00
Last HMMD Inspection:	08/19/2008
Facility Telephone:	760-471-2059
Permit Status:	INAC
Permit Expiration:	10/31/2009
Date Last Updated:	11/02/2012
Facility Owner:	RACC EM, INC
Facility Mailing Address:	207 VIA VERA CRUZ

BRAKE STOP & AUTO REPAIR (Continued) **S104749201**

Facility Mailing City:	SAN MARCOS
Facility Mailing State:	CA
Facility Mailing Zip:	92078
UST Owner:	Not reported
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Not reported
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

Name:	LIGHT AUTO REPAIR
Address:	207 VIA VERA CRUZ
City,State,Zip:	SAN MARCOS, CA 92078
Permit Number:	200336
Business Type:	6HK26
EPA Id Number:	CAL000203298
APN:	219-152-69-00
Last HMMD Inspection:	11/19/2003
Facility Telephone:	760-471-2059
Permit Status:	INAC
Permit Expiration:	08/31/2005
Date Last Updated:	11/02/2012
Facility Owner:	MAL HOAN PARK
Facility Mailing Address:	11593 CAMINITO CORRIENTE
Facility Mailing City:	SAN DIEGO
Facility Mailing State:	CA
Facility Mailing Zip:	92128
UST Owner:	Not reported
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Not reported
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

Violations Inactive Permits:

Permit Number:	200336
Update Date:	11/02/2012
Inspection Date:	11/19/2003
Violation Code:	6HV0402
Violation:	TRAINING PROGRAM NOT ADEQUATE
Violation Citation:	Personnel training is not adequate to ensure compliance with hazardous waste regulations. CCR 66265.16(a)&(b)
Activity:	Inactive Permit

Name:	LIGHT AUTO REPAIR
Address:	207 VIA VERA CRUZ
City,State,Zip:	SAN MARCOS, CA 92069
Permit Number:	119808
Business Type:	6HK26
EPA Id Number:	CAL000012783
APN:	219-152-69-00
Last HMMD Inspection:	06/13/2001
Facility Telephone:	619-471-2059
Permit Status:	INAC
Permit Expiration:	08/31/2002

BRAKE STOP & AUTO REPAIR (Continued) **S104749201**

Date Last Updated:	11/02/2012
Facility Owner:	TOM BROUILLETTE
Facility Mailing Address:	207 VIA VERA CRUZ
Facility Mailing City:	SAN MARCOS
Facility Mailing State:	CA
Facility Mailing Zip:	92069-2617
UST Owner:	Not reported
Handle Regulated Hazmat:	Y
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Y
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

Name:	LIGHT AUTO REPAIR
Address:	207 VIA VERA CRUZ
City,State,Zip:	SAN MARCOS, CA 92078
Permit Number:	205336
Business Type:	6HK26
EPA Id Number:	CAL000290477
APN:	219-152-69-00
Last HMMD Inspection:	08/19/2008
Facility Telephone:	760-471-2059
Permit Status:	INAC
Permit Expiration:	10/31/2009
Date Last Updated:	11/02/2012
Facility Owner:	RACC EM, INC
Facility Mailing Address:	207 VIA VERA CRUZ
Facility Mailing City:	SAN MARCOS
Facility Mailing State:	CA
Facility Mailing Zip:	92078
UST Owner:	Not reported
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Not reported
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

Name:	LIGHT AUTO REPAIR
Address:	207 VIA VERA CRUZ
City,State,Zip:	SAN MARCOS, CA 92078
Permit Number:	205336
Business Type:	6HK26
EPA Id Number:	CAL000290477
APN:	219-152-69-00
Last HMMD Inspection:	08/19/2008
Facility Telephone:	760-471-2059
Permit Status:	INAC
Permit Expiration:	10/31/2009
Date Last Updated:	11/02/2012
Facility Owner:	RACC EM, INC
Facility Mailing Address:	207 VIA VERA CRUZ
Facility Mailing City:	SAN MARCOS
Facility Mailing State:	CA
Facility Mailing Zip:	92078
UST Owner:	Not reported

BRAKE STOP & AUTO REPAIR (Continued) **S104749201**

Handle Regulated Hazmat: Not reported
Own Or Operate UST: Not reported
Subject To APSA: Not reported
Generate Haz Waste: Not reported
Treat Haz Waste: Not reported
Generate Medical Waste: Not reported

CERS HAZ WASTE:
Name: BRAKE STOP & AUTO REPAIR
Address: 207 VIA VERA CRUZ
City,State,Zip: SAN MARCOS, CA 92078
Site ID: 13350
CERS ID: 10376455
CERS Description: Hazardous Waste Generator

CERS:
Name: BRAKE STOP & AUTO REPAIR
Address: 207 VIA VERA CRUZ
City,State,Zip: SAN MARCOS, CA 92078
Site ID: 13350
CERS ID: 10376455
CERS Description: Chemical Storage Facilities

Violations:
Site ID: 13350
Site Name: BRAKE STOP & AUTO REPAIR
Violation Date: 04-06-2017
Citation: HSC 6.95 25505(a)(4) - California Health and Safety Code, Chapter 6.95, Section(s) 25505(a)(4)
Violation Description: Failure to provide initial and annual training to all employees in safety procedures in the event of a release or threatened release of a hazardous material or failure to document and maintain training records for a minimum of three years.
Violation Notes: Returned to compliance on 06/25/2018.
Violation Division: San Diego County Department of Env Health
Violation Program: HMRRP
Violation Source: CERS,

Site ID: 13350
Site Name: BRAKE STOP & AUTO REPAIR
Violation Date: 03-19-2015
Citation: 22 CCR 12 66262.40(a) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.40(a)
Violation Description: Failure to maintain uniform hazardous waste manifest, consolidated manifest, or bills of lading copies for three years.
Violation Notes: Returned to compliance on 03/23/2015.
Violation Division: San Diego County Department of Env Health
Violation Program: HW
Violation Source: CERS,

Site ID: 13350
Site Name: BRAKE STOP & AUTO REPAIR
Violation Date: 04-06-2017
Citation: 22 CCR 12 66262.40(a) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.40(a)
Violation Description: Failure to keep a copy of each properly signed manifest for at least three years from the date the waste was accepted by the initial

BRAKE STOP & AUTO REPAIR (Continued) **S104749201**

transporter. The manifest signed at the time the waste was accepted for transport shall be kept until receiving a signed copy from the designated facility which received the waste.
Violation Notes: Returned to compliance on 06/25/2018.
Violation Division: San Diego County Department of Env Health
Violation Program: HW
Violation Source: CERS,

Site ID: 13350
Site Name: BRAKE STOP & AUTO REPAIR
Violation Date: 04-06-2017
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description: Failure to complete and electronically submit hazardous material inventory information for all reportable hazardous materials on site at or above reportable quantities.
Violation Notes: Returned to compliance on 04/06/2017.
Violation Division: San Diego County Department of Env Health
Violation Program: HMRRP
Violation Source: CERS,

Site ID: 13350
Site Name: BRAKE STOP & AUTO REPAIR
Violation Date: 01-30-2019
Citation: 22 CCR 12 66262.12 - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.12
Violation Description: Failure to obtain an Identification Number prior to treating, storing, disposing of, transporting or offering for transportation any hazardous waste.
Violation Notes: Returned to compliance on 06/28/2019. Inspection Sequence ID:6141021
Violation Division: San Diego County Department of Env Health
Violation Program: HW
Violation Source: CERS,

Evaluation:
Eval General Type: Compliance Evaluation Inspection
Eval Date: 03-19-2015
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Inspector: Jaramillo Marcie Inspection ID:4621728
Eval Division: San Diego County Department of Env Health
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 03-19-2015
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Inspector: Jaramillo Marcie Inspection ID:4621728
Eval Division: San Diego County Department of Env Health
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-14-2022
Violations Found: No
Eval Type: Routine done by local agency

BRAKE STOP & AUTO REPAIR (Continued) **S104749201**

Eval Notes:	Inspector: Shoyeb Abida Inspection ID:6849636
Eval Division:	San Diego County Department of Env Health
Eval Program:	HW
Eval Source:	CERS,
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	01-14-2022
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Inspector: Shoyeb Abida Inspection ID:6849636
Eval Division:	San Diego County Department of Env Health
Eval Program:	HMRRP
Eval Source:	CERS,
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	01-30-2019
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Inspector: Kieu Bridget Inspection ID:6141021
Eval Division:	San Diego County Department of Env Health
Eval Program:	HMRRP
Eval Source:	CERS,
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	01-30-2019
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Inspector: Kieu Bridget Inspection ID:6141021
Eval Division:	San Diego County Department of Env Health
Eval Program:	HW
Eval Source:	CERS,
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	04-06-2017
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Inspector: Calcagno Leonardo Inspection ID:5646749
Eval Division:	San Diego County Department of Env Health
Eval Program:	HMRRP
Eval Source:	CERS,
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	04-06-2017
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Inspector: Calcagno Leonardo Inspection ID:5646749
Eval Division:	San Diego County Department of Env Health
Eval Program:	HW
Eval Source:	CERS,

Coordinates:

Site ID:	13350
Facility Name:	BRAKE STOP & AUTO REPAIR
Env Int Type Code:	HWG
Program ID:	10376455
Coord Name:	Not reported
Ref Point Type Desc:	Center of a facility or station.,

BRAKE STOP & AUTO REPAIR (Continued) **S104749201**

Latitude: 33.140530
Longitude: -117.189420

Affiliation:
Affiliation Type Desc: Environmental Contact
Entity Name: DEBRA SHRIVER
Entity Title: Not reported
Affiliation Address: 207 Via Vera Cruz
Affiliation City: SAN MARCOS
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 92078
Affiliation Phone: ,

Affiliation Type Desc: Parent Corporation
Entity Name: BRAKE STOP & AUTO REPAIR
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Affiliation Type Desc: Property Owner
Entity Name: UHLAND WILLIAM J&CLARISSA A TRS
Entity Title: Not reported
Affiliation Address: 180 DEER SPRINGS RD
Affiliation City: SAN MARCOS
Affiliation State: CA
Affiliation Country: United States
Affiliation Zip: 92069
Affiliation Phone: (619) 654-0179,

Affiliation Type Desc: Facility Mailing Address
Entity Name: Mailing Address
Entity Title: Not reported
Affiliation Address: 207 VIA VERA CRUZ
Affiliation City: SAN MARCOS
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 92078
Affiliation Phone: ,

Affiliation Type Desc: CUPA District
Entity Name: San Diego County Env Health Qlty
Entity Title: Not reported
Affiliation Address: PO Box 129261
Affiliation City: San Diego
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 92112-9261
Affiliation Phone: (858) 505-6880,

Affiliation Type Desc: Legal Owner
Entity Name: OMAR TAPIA
Entity Title: Not reported

BRAKE STOP & AUTO REPAIR (Continued) **S104749201**

Affiliation Address:	180 DEER SPRINGS RD
Affiliation City:	SAN MARCOS
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	92069
Affiliation Phone:	(619) 654-0179,
Affiliation Type Desc:	Operator
Entity Name:	OMAR TAPIA
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	(760) 510-0000,

HWTS:

Name:	BRAKE STOP & AUTO REPAIR
Address:	207 VIA VERA CRUZ
Address 2:	Not reported
City,State,Zip:	SAN MARCOS, CA 92078
EPA ID:	CAL000353195
Inactive Date:	Not reported
Create Date:	06/09/2010
Last Act Date:	Not reported
Mailing Name:	Not reported
Mailing Address:	207 VIA VERA CRUZ
Mailing Address 2:	Not reported
Mailing City,State,Zip:	SAN MARCOS, CA 920782617
Owner Name:	OMAR TAPIA
Owner Address:	207 VIA VERA CRUZ
Owner Address 2:	Not reported
Owner City,State,Zip:	SAN MARCOS, CA 920780000
Contact Name:	RICHARD CARDONA
Contact Address:	207 VIA VERA CRUZ
Contact Address 2:	Not reported
City,State,Zip:	SAN MARCOS, CA 92078
Facility Status:	Active
Facility Type:	PERMANENT
Category:	STATE
Latitude:	33.140547
Longitude:	-117.1897155

NAICS:

EPA ID:	CAL000353195
Create Date:	2011-04-05 10:18:11.997
NAICS Code:	811111
NAICS Description:	General Automotive Repair
Issued EPA ID Date:	2010-06-09 15:02:47.70300
Inactive Date:	Not reported
Facility Name:	BRAKE STOP & AUTO REPAIR
Facility Address:	207 VIA VERA CRUZ
Facility Address 2:	Not reported
Facility City:	SAN MARCOS
Facility County:	Not reported

BRAKE STOP & AUTO REPAIR (Continued) **S104749201**

Facility State: CA
Facility Zip: 920782617

Name: LIGHT AUTO REPAIR
Address: 207 VIA VERA CRUZ
Address 2: Not reported
City,State,Zip: SAN MARCOS, CA 92078
EPA ID: CAL000290477
Inactive Date: 06/30/2008
Create Date: 01/25/2005
Last Act Date: Not reported
Mailing Name: Not reported
Mailing Address: 207 VIA VERA CRUZ
Mailing Address 2: Not reported
Mailing City,State,Zip: SAN MARCOS, CA 920780000
Owner Name: RACC EM INC
Owner Address: 10895 NEW SALEM COVE
Owner Address 2: Not reported
Owner City,State,Zip: SAN DIEGO, CA 92126
Contact Name: RICK FLORES
Contact Address: 10895 NEW SALEM COVE
Contact Address 2: Not reported
City,State,Zip: SAN DIEGO, CA 92126
Facility Status: Inactive
Facility Type: PERMANENT
Category: STATE
Latitude: 33.140293
Longitude: -117.189955

NAICS:
EPA ID: CAL000290477
Create Date: 2005-01-25 09:20:32.340
NAICS Code: 811111
NAICS Description: General Automotive Repair
Issued EPA ID Date: 2005-01-25 09:20:32.31000
Inactive Date: 2008-06-30 00:00:00
Facility Name: LIGHT AUTO REPAIR
Facility Address: 207 VIA VERA CRUZ
Facility Address 2: Not reported
Facility City: SAN MARCOS
Facility County: Not reported
Facility State: CA
Facility Zip: 920782617

Name: LIGHT AUTO REPAIR
Address: 207 VIA VERA CRUZ
Address 2: Not reported
City,State,Zip: SAN MARCOS, CA 92069
EPA ID: CAL922843666
Inactive Date: 06/30/1998
Create Date: 10/10/1992
Last Act Date: Not reported
Mailing Name: Not reported
Mailing Address: 207 VIA VERA CRUZ
Mailing Address 2: Not reported
Mailing City,State,Zip: SAN MARCOS, CA 920692617

BRAKE STOP & AUTO REPAIR (Continued) **S104749201**

Owner Name:	TOM BROUILLETTE
Owner Address:	3536 LINDA VISTA AVE
Owner Address 2:	Not reported
Owner City,State,Zip:	SAN MARCOS, CA 920690000
Contact Name:	THOMAS BROUILLETTE
Contact Address:	INACT PER 98VQ FINAL NOTICE
Contact Address 2:	Not reported
City,State,Zip:	Not reported
Facility Status:	Inactive
Facility Type:	PERMANENT
Category:	STATE
Latitude:	33.140547
Longitude:	-117.1897155

I86 **MIRI CORPORATION** **RCRA NonGen / NLR** **1026721417**
WSW **1080 LINDA VISTA DR** **CAL000369781**
< 1/8 **SAN MARCOS, CA 92078**
0.100 mi.
529 ft. **Site 5 of 8 in cluster I**

Relative: **Lower**
Actual: **537 ft.**

RCRA Listings:

Date Form Received by Agency:		20210303
Handler Name:	MIRI CORPORATION	
Handler Address:		1080 LINDA VISTA DR
Handler City,State,Zip:		SAN MARCOS, CA 92078
EPA ID:		CAL000369781
Contact Name:		JOYCE SHAFFER
Contact Address:		COOL LAKE WY
Contact City,State,Zip:		SAN DIEGO, CA 92128
Contact Telephone:		858-602-2776
Contact Fax:		760-744-1128
Contact Email:		JOYCESHAFFER@MSN.COM
Contact Title:		Not reported
EPA Region:		09
Land Type:		Private
Federal Waste Generator Description:		Not a generator, verified
Non-Notifier:		Not reported
Biennial Report Cycle:		Not reported
Accessibility:		Not reported
Active Site Indicator:		Not reported
State District Owner:		Not reported
State District:		Not reported
Mailing Address:		LINDA VISTA DR STE A
Mailing City,State,Zip:		SAN MARCOS, CA 92078
Owner Name:	Not reported	
Owner Type:		Not reported
Operator Name:	MIRI CORPORATION	
Operator Type:		Private
Short-Term Generator Activity:		No
Importer Activity:		No
Mixed Waste Generator:		No
Transporter Activity:		No
Transfer Facility Activity:		No
Recycler Activity with Storage:		No
Small Quantity On-Site Burner Exemption:		No
Smelting Melting and Refining Furnace Exemption:		No
Underground Injection Control:		No
Off-Site Waste Receipt:		No

MIRI CORPORATION (Continued) **1026721417**

Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20210308
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Operator
Owner/Operator Name: MIRI CORPORATION	
Legal Status:	Private
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	13395 COOL LAKE WY
Owner/Operator City,State,Zip:	SAN DIEGO, CA 92128
Owner/Operator Telephone:	858-602-2776
Owner/Operator Telephone Ext:	Not reported

MIRI CORPORATION (Continued) **1026721417**

Owner/Operator Fax: 760-744-1215
Owner/Operator Email: Not reported

Historic Generators:
Receive Date: 20210303
Handler Name: MIRI CORPORATION
Federal Waste Generator Description: Not a generator, verified
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: No
Electronic Manifest Broker: No

List of NAICS Codes and Descriptions:
NAICS Code: 339992
NAICS Description: MUSICAL INSTRUMENT MANUFACTURING

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

I87 **PRECISE MANUFACTURING INC** **RCRA NonGen / NLR** **1024868516**
WSW **1080 LINDA VISTA DR STE C** **CAL000437121**
< 1/8 **SAN MARCOS, CA 92078**
0.100 mi.
529 ft. **Site 6 of 8 in cluster I**

Relative:
Lower

Actual:
537 ft.

RCRA Listings:
Date Form Received by Agency: 20180621
Handler Name: PRECISE MANUFACTURING INC
Handler Address: 1080 LINDA VISTA DR STE C
Handler City,State,Zip: SAN MARCOS, CA 92078
EPA ID: CAL000437121
Contact Name: JULIE VASQUEZ
Contact Address: 1080 LINDA VISTA DR STE C
Contact City,State,Zip: SAN MARCOS, CA 92078
Contact Telephone: 760-539-7962
Contact Fax: Not reported
Contact Email: PRECISE05@AOL.COM
Contact Title: Not reported
EPA Region: 09
Land Type: Not reported
Federal Waste Generator Description: Not a generator, verified
Non-Notifier: Not reported
Biennial Report Cycle: Not reported
Accessibility: Not reported
Active Site Indicator: Handler Activities
State District Owner: Not reported
State District: Not reported

PRECISE MANUFACTURING INC (Continued) **1024868516**

Mailing Address:		1080 LINDA VISTA DR STE C
Mailing City,State,Zip:		SAN MARCOS, CA 92078
Owner Name:	ALEJANDRO VASQUEZ	
Owner Type:		Other
Operator Name:	JULIE VASQUEZ	
Operator Type:		Other
Short-Term Generator Activity:		No
Importer Activity:		No
Mixed Waste Generator:		No
Transporter Activity:		No
Transfer Facility Activity:		No
Recycler Activity with Storage:		No
Small Quantity On-Site Burner Exemption:		No
Smelting Melting and Refining Furnace Exemption:		No
Underground Injection Control:		No
Off-Site Waste Receipt:		No
Universal Waste Indicator:		Yes
Universal Waste Destination Facility:		Yes
Federal Universal Waste:		No
Active Site Fed-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site Converter Treatment storage and Disposal Facility:		Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site State-Reg Handler:		---
Federal Facility Indicator:		Not reported
Hazardous Secondary Material Indicator:		N
Sub-Part K Indicator:		Not reported
Commercial TSD Indicator:		No
Treatment Storage and Disposal Type:		Not reported
2018 GPRA Permit Baseline:		Not on the Baseline
2018 GPRA Renewals Baseline:		Not on the Baseline
Permit Renewals Workload Universe:		Not reported
Permit Workload Universe:		Not reported
Permit Progress Universe:		Not reported
Post-Closure Workload Universe:		Not reported
Closure Workload Universe:		Not reported
202 GPRA Corrective Action Baseline:		No
Corrective Action Workload Universe:		No
Subject to Corrective Action Universe:		No
Non-TSDFs Where RCRA CA has Been Imposed Universe:		No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:		No
TSDFs Only Subject to CA under Discretionary Auth Universe:		No
Corrective Action Priority Ranking:		No NCAPS ranking
Environmental Control Indicator:		No
Institutional Control Indicator:		No
Human Exposure Controls Indicator:		N/A
Groundwater Controls Indicator:		N/A
Operating TSDF Universe:		Not reported
Full Enforcement Universe:		Not reported
Significant Non-Complier Universe:		No
Unaddressed Significant Non-Complier Universe:		No
Addressed Significant Non-Complier Universe:		No
Significant Non-Complier With a Compliance Schedule Universe:		No
Financial Assurance Required:		Not reported
Handler Date of Last Change:		20180907
Recognized Trader-Importer:		No
Recognized Trader-Exporter:		No
Importer of Spent Lead Acid Batteries:		No

PRECISE MANUFACTURING INC (Continued) **1024868516**

Exporter of Spent Lead Acid Batteries: No
Recycler Activity Without Storage: No
Manifest Broker: No
Sub-Part P Indicator: No

Handler - Owner Operator:
Owner/Operator Indicator: Owner
Owner/Operator Name: ALEJANDRO VASQUEZ
Legal Status: Other
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: 1080 LINDA VISTA DR STE C
Owner/Operator City,State,Zip: SAN MARCOS, CA 92078
Owner/Operator Telephone: 760-539-7962
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator
Owner/Operator Name: JULIE VASQUEZ
Legal Status: Other
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: 1080 LINDA VISTA DR STE C
Owner/Operator City,State,Zip: SAN MARCOS, CA 92078
Owner/Operator Telephone: 760-539-7962
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:
Receive Date: 20180621
Handler Name: PRECISE MANUFACTURING INC
Federal Waste Generator Description: Not a generator, verified
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Code: 56299
NAICS Description: ALL OTHER WASTE MANAGEMENT SERVICES

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

I88
WSW
< 1/8
0.100 mi.
529 ft.

Relative:
Lower

Actual:
537 ft.

MIRI CORPORATION
1080 LINDA VISTA DR
SAN MARCOS, CA 92078

Site 7 of 8 in cluster I

Database(s): RCRA-SQG, San Diego Co. HMMD, FINDS, ECHO, HAZNET, CIWQS, HWTS

EDR ID Number: 1000387982
EPA ID Number: CAD981395882

RCRA Listings:

Date Form Received by Agency:		19860423
Handler Name:	AMISTAR	
Handler Address:		1080 LINDA VISTA DR
Handler City,State,Zip:		SAN MARCOS, CA 92069
EPA ID:		CAD981395882
Contact Name:		ENVIRONMENTAL MANAGER
Contact Address:		1080 LINDA VISTA DR
Contact City,State,Zip:		SAN MARCOS, CA 92069
Contact Telephone:		619-744-7680
Contact Fax:		Not reported
Contact Email:		Not reported
Contact Title:		Not reported
EPA Region:		09
Land Type:		Not reported
Federal Waste Generator Description:		Small Quantity Generator
Non-Notifier:		Not reported
Biennial Report Cycle:		Not reported
Accessibility:		Not reported
Active Site Indicator:		Handler Activities
State District Owner:		CA
State District:		4
Mailing Address:		LINDA VISTA DR
Mailing City,State,Zip:		SAN MARCOS, CA 92069
Owner Name:	AMISTAR	
Owner Type:		Private
Operator Name:	NOT REQUIRED	
Operator Type:		Private
Short-Term Generator Activity:		No
Importer Activity:		No
Mixed Waste Generator:		No
Transporter Activity:		No
Transfer Facility Activity:		No
Recycler Activity with Storage:		No
Small Quantity On-Site Burner Exemption:		No
Smelting Melting and Refining Furnace Exemption:		No
Underground Injection Control:		No
Off-Site Waste Receipt:		No
Universal Waste Indicator:		No
Universal Waste Destination Facility:		No
Federal Universal Waste:		No
Active Site Fed-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site Converter Treatment storage and Disposal Facility:		Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site State-Reg Handler:		---
Federal Facility Indicator:		Not reported
Hazardous Secondary Material Indicator:		NN
Sub-Part K Indicator:		Not reported
Commercial TSD Indicator:		No
Treatment Storage and Disposal Type:		Not reported
2018 GPRA Permit Baseline:		Not on the Baseline

MIRI CORPORATION (Continued) **1000387982**

2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20000915
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	Not reported
Manifest Broker:	Not reported
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name: AMISTAR	
Legal Status:	Private
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	NOT REQUIRED
Owner/Operator City,State,Zip:	NOT REQUIRED, ME 99999
Owner/Operator Telephone:	415-555-1212
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name: NOT REQUIRED	
Legal Status:	Private
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	NOT REQUIRED
Owner/Operator City,State,Zip:	NOT REQUIRED, ME 99999
Owner/Operator Telephone:	415-555-1212
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported

MIRI CORPORATION (Continued) **1000387982**

Owner/Operator Email: Not reported

Historic Generators:
Receive Date: 19860423
Handler Name: AMISTAR
Federal Waste Generator Description: Small Quantity Generator
State District Owner: CA
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Codes: No NAICS Codes Found

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

HMMD SAN DIEGO:
Name: AMISTAR
Address: 1080 LINDA VISTA DR
City,State,Zip: SAN MARCOS, CA 92069
Permit Number: 110492
Business Type: Not reported
EPA Id Number: Not reported
APN: 219-153-03-00
Last HMMD Inspection: Not reported
Facility Telephone: Not reported
Permit Status: INAC
Permit Expiration: Not reported
Date Last Updated: 11/02/2012
Facility Owner: Not reported
Facility Mailing Address: Not reported
Facility Mailing City: Not reported
Facility Mailing State: Not reported
Facility Mailing Zip: Not reported
UST Owner: Not reported
Handle Regulated Hazmat: Not reported
Own Or Operate UST: Not reported
Subject To APSA: Not reported
Generate Haz Waste: Not reported
Treat Haz Waste: Not reported
Generate Medical Waste: Not reported

Name: MIRI CORPORATION
Address: 1080 LINDA VISTA DR A
City,State,Zip: SAN MARCOS, CA 92078-2655

MIRI CORPORATION (Continued) **1000387982**

Permit Number:	Not reported
Business Type:	Not reported
EPA Id Number:	CAL000369781
APN:	Not reported
Last HMMD Inspection:	Not reported
Facility Telephone:	760-744-1128
Permit Status:	Permit Renewed
Permit Expiration:	Not reported
Date Last Updated:	04/23/2022
Facility Owner:	Not reported
Facility Mailing Address:	1080 Linda Vista Dr Ste A, San Marcos, CA 92078
Facility Mailing City:	Not reported
Facility Mailing State:	Not reported
Facility Mailing Zip:	Not reported
UST Owner:	N
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Y
Treat Haz Waste:	Y
Generate Medical Waste:	Not reported

Inspection Violation:

Record ID:	DEH2017-HUPFP-003763
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-003763
Program Element:	Hazardous Waste Treatment
Inspection Type:	Routine
Inspection Number:	6235761
Return To Compliance Date:	Not reported
Nov:	Not reported
Violation Classification:	Not reported
Underground Storage Tank Id:	Not reported
Container/Tank Id:	1
Last Update:	2022-04-23T00:00:00.000
Inspection Date:	2021-01-08T00:00:00.000
Violation Code:	HMD1712 Inadequate or no records of inspections (must include dates, times, name of inspector, observations, and specifics of needed repairs or corrective actions). (3 years for CE and PBR units, 5 years for CA). CE: HSC 25201.5(d)(4)&(5), 25201.14(c)(1); CA: HSC 25200.3(c)(5)&(7); PBR: 22 CCR 67450.3(c)(8) & (9)(A) & (D), 66265.73(a)&(b)(1); 66265.15(b),(d)

Record ID:	DEH2017-HUPFP-003763
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-003763
Program Element:	Hazardous Waste Generator
Inspection Type:	Routine
Inspection Number:	6235761
Return To Compliance Date:	2021-03-01T00:00:00.000
Nov:	No
Violation Classification:	Minor
Underground Storage Tank Id:	Not reported
Container/Tank Id:	Not reported
Last Update:	2022-04-23T00:00:00.000
Inspection Date:	2021-01-08T00:00:00.000

MIRI CORPORATION (Continued) **1000387982**

Violation Code:	3030019 Failed to inspect hazardous waste storage area at least weekly. 22 CCR 66262.34(d)(2); 40 CFR 262.34(d)(2), 265.174
Record ID:	DEH2017-HUPFP-003763
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-003763
Program Element:	Hazardous Waste Treatment
Inspection Type:	Routine
Inspection Number:	6235761
Return To Compliance Date:	Not reported
Nov:	Not reported
Violation Classification:	Not reported
Underground Storage Tank Id:	Not reported
Container/Tank Id:	1
Last Update:	2022-04-23T00:00:00.000
Inspection Date:	2021-01-08T00:00:00.000
Violation Code:	HMD1711 Inadequate or no written inspection schedule for containers, tanks, & equipment (must include inspections for safety and emergency equipment, specify problems checked, and frequency of inspections). For containers: CE: HSC 25201.5(d)(4)&(5); CEL: 25201.14(c)(1); CA: 25200.3(c)(5); PBR: 22 CCR 67450.3(c)(8)(B) & 67450.3(c)(9)(A) & (D); 66265.15 (For tanks, also 22 CCR 66265.195)
Record ID:	DEH2017-HUPFP-003763
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-003763
Program Element:	Hazardous Materials Release Response Plans
Inspection Type:	Initial Inspection
Inspection Number:	5778381
Return To Compliance Date:	2017-08-09T00:00:00.000
Nov:	No
Violation Classification:	Class II
Underground Storage Tank Id:	Not reported
Container/Tank Id:	Not reported
Last Update:	2022-04-23T00:00:00.000
Inspection Date:	2017-08-09T11:11:00.000
Violation Code:	1010002 HMBP not submitted to the CUPA in CERS. HSC 25508(a)(1)(A); HSC 25404(e)(4); 27 CCR 15188(a),(b),(d)
Record ID:	DEH2017-HUPFP-003763
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-003763
Program Element:	Hazardous Waste Generator
Inspection Type:	Routine
Inspection Number:	6235761
Return To Compliance Date:	2021-02-26T00:00:00.000
Nov:	No
Violation Classification:	Class II
Underground Storage Tank Id:	Not reported
Container/Tank Id:	Not reported
Last Update:	2022-04-23T00:00:00.000
Inspection Date:	2021-01-08T00:00:00.000
Violation Code:	HMD0152 Failed to report &/or update the required inventory information for hazardous waste(s) generated at the facility in CERS.

MIRI CORPORATION (Continued) **1000387982**

SDCC 68.904(a)(2)

Record ID: DEH2017-HUPFP-003763
Permit Status: Permit Renewed
Active Permit: Y
Facility Id Number: 37-000-003763
Program Element: Hazardous Waste Generator
Inspection Type: Initial Inspection
Inspection Number: 5778381
Return To Compliance Date: 2018-01-12T00:00:00.000
Nov: Yes
Violation Classification: Class I
Underground Storage Tank Id: Not reported
Container/Tank Id: Not reported
Last Update: 2022-04-23T00:00:00.000
Inspection Date: 2017-08-09T11:11:00.000
Violation Code: HMD0131 Unified Program Facility Permit not obtained &/or maintained for the generation of hazardous waste. HSC 25404.1; SDCC 68.905

Record ID: DEH2017-HUPFP-003763
Permit Status: Permit Renewed
Active Permit: Y
Facility Id Number: 37-000-003763
Program Element: Hazardous Waste Generator
Inspection Type: Routine
Inspection Number: 6235761
Return To Compliance Date: 2021-03-08T00:00:00.000
Nov: No
Violation Classification: Class II
Underground Storage Tank Id: Not reported
Container/Tank Id: Not reported
Last Update: 2022-04-23T00:00:00.000
Inspection Date: 2021-01-08T00:00:00.000
Violation Code: 3030005 Failed to make a proper waste determination. 22 CCR 66262.11, 66262.40(c)

Record ID: DEH2017-HUPFP-003763
Permit Status: Permit Renewed
Active Permit: Y
Facility Id Number: 37-000-003763
Program Element: Hazardous Materials Release Response Plans
Inspection Type: Initial Inspection
Inspection Number: 5778381
Return To Compliance Date: 2018-01-12T00:00:00.000
Nov: Yes
Violation Classification: Class I
Underground Storage Tank Id: Not reported
Container/Tank Id: Not reported
Last Update: 2022-04-23T00:00:00.000
Inspection Date: 2017-08-09T11:11:00.000
Violation Code: HMD1001 Unified Program Facility permit not obtained for hazardous materials. SDCC 68.905; 68.906, 68.907

Record ID: DEH2017-HUPFP-003763
Permit Status: Permit Renewed
Active Permit: Y
Facility Id Number: 37-000-003763

MIRI CORPORATION (Continued) **1000387982**

Program Element:	Hazardous Waste Generator
Inspection Type:	Routine
Inspection Number:	6235761
Return To Compliance Date:	2021-03-08T00:00:00.000
Nov:	No
Violation Classification:	Minor
Underground Storage Tank Id:	Not reported
Container/Tank Id:	Not reported
Last Update:	2022-04-23T00:00:00.000
Inspection Date:	2021-01-08T00:00:00.000
Violation Code:	3010002 Failed to obtain &/or maintain an active EPA ID Number. 22 CCR 66262.12(a)

Waste and Materials:

Record ID:	DEH2017-HUPFP-003763
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2017-HCHEM-0150035
Trade Secret:	N
Hazardous Material Type:	Pure
Last Updated:	2022-04-23T02:30:33.000
Chemical Name:	Unsaturated Polyester Resin
Common Name:	Unsaturated Polyester Resin
Case Number:	Not reported

Record ID:	DEH2017-HUPFP-003763
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2017-HWAST-0128600
Trade Secret:	N
Hazardous Material Type:	Not reported
Last Updated:	2022-04-23T02:30:33.000
Chemical Name:	Resin Waste
Common Name:	Resin Waste (w/some acetone)
Case Number:	Not reported

FINDS:
Registry ID: 110002692916

Click Here for FRS Facility Detail Report:

Environmental Interest/Information System:
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.
Registry ID: 110071050729

Click Here for FRS Facility Detail Report:

Environmental Interest/Information System:
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport,

MIRI CORPORATION (Continued) **1000387982**

and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:

Envid:	1000387982
Registry ID:	110002692916
DFR URL:	http://echo.epa.gov/detailed-facility-report?fid=110002692916
Name:	AMISTAR
Address:	1080 LINDA VISTA DR
City,State,Zip:	SAN MARCOS, CA 92069

HAZNET:

Name:	AMISTAR
Address:	1080 LINDA VISTA DR
Address 2:	Not reported
City,State,Zip:	SAN MARCOS, CA 920690000
Contact:	INACTIVE PER FEE FORM 6/93
Telephone:	--
Mailing Name:	Not reported
Mailing Address:	237 VIA VERA CRUZ
Year:	1993
Gepaid:	CAD981395882
TSD EPA ID:	CAD050806850
CA Waste Code:	211 - Halogenated solvents (chloroforms, methyl chloride, perchloroethylene, etc)
Disposal Method:	-
Tons:	0.0834
Year:	1993
Gepaid:	CAD981395882
TSD EPA ID:	CAD050806850
CA Waste Code:	212 - Oxygenated solvents (acetone, butanol, ethyl acetate, etc.)
Disposal Method:	T01 - Treatment, Tank
Tons:	0.1815
Year:	1993
Gepaid:	CAD981395882
TSD EPA ID:	UTD991301748
CA Waste Code:	223 - Unspecified oil-containing waste
Disposal Method:	D80 - Disposal, Land Fill
Tons:	0.4587
Year:	1993
Gepaid:	CAD981395882
TSD EPA ID:	CAD050806850
CA Waste Code:	-
Disposal Method:	T01 - Treatment, Tank
Tons:	0
Year:	1993
Gepaid:	CAD981395882
TSD EPA ID:	CAD003963592

MIRI CORPORATION (Continued) **1000387982**

CA Waste Code: 181 - Other inorganic solid waste
Disposal Method: R01 - Recycler
Tons: 1.05

Year: 1993
Gepaid: CAD981395882
TSD EPA ID: CAD003963592
CA Waste Code: 181 - Other inorganic solid waste
Disposal Method: -
Tons: 0.5

Year: 1993
Gepaid: CAD981395882
TSD EPA ID: UTD991301748
CA Waste Code: 181 - Other inorganic solid waste
Disposal Method: D80 - Disposal, Land Fill
Tons: 0.0375

Year: 1992
Gepaid: CAD981395882
TSD EPA ID: UTD991301748
CA Waste Code: 223 - Unspecified oil-containing waste
Disposal Method: -
Tons: 1.3761

Year: 1992
Gepaid: CAD981395882
TSD EPA ID: CAD050806850
CA Waste Code: 212 - Oxygenated solvents (acetone, butanol, ethyl acetate, etc.)
Disposal Method: R01 - Recycler
Tons: 0.2293

Year: 1992
Gepaid: CAD981395882
TSD EPA ID: CAD050806850
CA Waste Code: 211 - Halogenated solvents (chloroforms, methyl chloride, perchloroethylene, etc)
Disposal Method: R01 - Recycler
Tons: 0.2293

Click this hyperlink while viewing on your computer to access
24 additional CA HAZNET: record(s) in the EDR Site Report.

Additional Info:
Year: 1993
Gen EPA ID: CAD981395882

Shipment Date: 19930513
Creation Date: 9/1/1995 0:00:00
Receipt Date: Not reported
Manifest ID: 92240546
Trans EPA ID: CAD003963592
Trans Name: Not reported
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDF EPA ID: CAD003963592

MIRI CORPORATION (Continued) **1000387982**

Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	D008
Meth Code:	- Not reported
Quantity Tons:	0.5
Waste Quantity:	1000
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19930423
Creation Date:	9/9/1995 0:00:00
Receipt Date:	19930427
Manifest ID:	92433790
Trans EPA ID:	CAD981412356
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	UTD991301748
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	D008
Meth Code:	D80 - Disposal, Land Fill
Quantity Tons:	0.0375
Waste Quantity:	75
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19930423
Creation Date:	9/9/1995 0:00:00
Receipt Date:	19930427
Manifest ID:	92433790
Trans EPA ID:	CAD981412356
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	UTD991301748
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported
Meth Code:	D80 - Disposal, Land Fill
Quantity Tons:	0.4587
Waste Quantity:	110
Quantity Unit:	G

MIRI CORPORATION (Continued) **1000387982**

Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19930423
Creation Date:	9/7/1995 0:00:00
Receipt Date:	19930427
Manifest ID:	92433791
Trans EPA ID:	CAD981412356
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD050806850
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	211 - Halogenated solvents (chloroform, methyl chloride, perchloroethylene, etc.
RCRA Code:	D001
Meth Code:	- Not reported
Quantity Tons:	0.0834
Waste Quantity:	20
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19930423
Creation Date:	9/7/1995 0:00:00
Receipt Date:	19930427
Manifest ID:	92433791
Trans EPA ID:	CAD981412356
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD050806850
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	- Not reported
RCRA Code:	Not reported
Meth Code:	T01 - Treatment, Tank
Quantity Tons:	0
Waste Quantity:	0
Quantity Unit:	Not reported
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19930423
Creation Date:	9/7/1995 0:00:00

MIRI CORPORATION (Continued) **1000387982**

Receipt Date:	19930427
Manifest ID:	92433791
Trans EPA ID:	CAD981412356
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD050806850
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	212 - Oxygenated solvents (acetone, butanol, ethyl acetate, etc.
RCRA Code:	D001
Meth Code:	T01 - Treatment, Tank
Quantity Tons:	0.1815
Waste Quantity:	55
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	19930317
Creation Date:	9/1/1995 0:00:00
Receipt Date:	19930319
Manifest ID:	92240520
Trans EPA ID:	CAD003963592
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD003963592
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD003963592
TSDF Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	D008
Meth Code:	R01 - Recycler
Quantity Tons:	0.6
Waste Quantity:	1200
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	19930126
Creation Date:	9/15/1995 0:00:00
Receipt Date:	19930129
Manifest ID:	92240706
Trans EPA ID:	CAD003963592
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD003963592
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD003963592

MIRI CORPORATION (Continued) **1000387982**

TSDF Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	D008
Meth Code:	R01 - Recycler
Quantity Tons:	0.45
Waste Quantity:	900
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

CIWQS:

Name:	MUSICAL INSTRUMENT REEDS INTERNATIONAL INC
Address:	1080 LINDA VISTA DR STE A
City,State,Zip:	SAN MARCOS, CA 92078
Agency:	Musical Instrument Reeds International Inc
Agency Address:	1080 Linda Vista Dr Ste A, San Marcos, CA 92078
Place/Project Type:	Industrial - Musical Instruments
SIC/NAICS:	3931
Region:	9
Program:	INDSTW
Regulatory Measure Status:	Active
Regulatory Measure Type:	Storm water industrial
Order Number:	2014-0057-DWQ
WDID:	9 37NEC009206
NPDES Number:	CAS000001
Adoption Date:	Not reported
Effective Date:	05/06/2021
Termination Date:	Not reported
Expiration/Review Date:	Not reported
Design Flow:	Not reported
Major/Minor:	Not reported
Complexity:	Not reported
TTWQ:	Not reported
Enforcement Actions within 5 years:	0
Violations within 5 years:	0
Latitude:	33.13881
Longitude:	-117.18909

HWTS:

Name:	AMISTAR
Address:	1080 LINDA VISTA DR
Address 2:	Not reported
City,State,Zip:	SAN MARCOS, CA 92069
EPA ID:	CAD981395882
Inactive Date:	04/15/1994
Create Date:	04/10/1987
Last Act Date:	Not reported
Mailing Name:	Not reported
Mailing Address:	237 VIA VERA CRUZ
Mailing Address 2:	Not reported
Mailing City,State,Zip:	SAN MARCOS, CA 920690000
Owner Name:	Not reported
Owner Address:	Not reported

MIRI CORPORATION (Continued) **1000387982**

Owner Address 2:	Not reported
Owner City,State,Zip:	Not reported
Contact Name:	INACTIVE PER FEE FORM 6/93
Contact Address:	Not reported
Contact Address 2:	Not reported
City,State,Zip:	Not reported
Facility Status:	Inactive
Facility Type:	PERMANENT
Category:	FEDERAL
Latitude:	33.138837
Longitude:	-117.188581

I89 **MIRI CORPORATION** **CERS HAZ WASTE** **S113162566**
WSW **1080 LINDA VISTA DR STE A** **HAZNET** **N/A**
< 1/8 **SAN MARCOS, CA 92078** **CERS**
0.100 mi. **HWTS**
529 ft. **Site 8 of 8 in cluster I**

Relative:
Lower

Actual:
537 ft.

CERS HAZ WASTE:

Name:	MIRI CORPORATION
Address:	1080 LINDA VISTA DR STE A
City,State,Zip:	SAN MARCOS, CA 92078
Site ID:	425259
CERS ID:	10741948
CERS Description:	Hazardous Waste Generator

Name:	MIRI CORPORATION
Address:	1080 LINDA VISTA DR STE A
City,State,Zip:	SAN MARCOS, CA 92078
Site ID:	425259
CERS ID:	10741948
CERS Description:	Hazardous Waste Onsite Treatment

HAZNET:

Name:	MIRI CORPORATION
Address:	1080 LINDA VISTA DR
Address 2:	Not reported
City,State,Zip:	SAN MARCOS, CA 92078
Contact:	JOYCE SHAFFER
Telephone:	7607441128
Mailing Name:	Not reported
Mailing Address:	1080 LINDA VISTA DR
Year:	2016
Gepaid:	CAL000369781
TSD EPA ID:	CAD044429835
CA Waste Code:	352 - Other organic solids
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.037
Year:	2016
Gepaid:	CAL000369781
TSD EPA ID:	NMD002208627
CA Waste Code:	551 - Laboratory waste chemicals
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)

MIRI CORPORATION (Continued) **S113162566**

Tons:	0.013
Year:	2012
Gepaid:	CAL000369781
TSD EPA ID:	ARD981057870
CA Waste Code:	343 - Unspecified organic liquid mixture
Disposal Method:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Tons:	0.37
Year:	2012
Gepaid:	CAL000369781
TSD EPA ID:	UTD981552177
CA Waste Code:	551 - Laboratory waste chemicals
Disposal Method:	H040 - Incineration--Thermal Destruction Other Than Use As A Fuel
Tons:	0.035
Year:	2012
Gepaid:	CAL000369781
TSD EPA ID:	CAD008302903
CA Waste Code:	181 - Other inorganic solid waste
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.002
Year:	2011
Gepaid:	CAL000369781
TSD EPA ID:	ARD981057870
CA Waste Code:	272 - Polymeric resin waste
Disposal Method:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Tons:	0.27105

Additional Info:

Year:	2012
Gen EPA ID:	CAL000369781
Shipment Date:	20120413
Creation Date:	12/6/2012 22:15:45
Receipt Date:	20120501
Manifest ID:	009650785JJK
Trans EPA ID:	CAR000179747
Trans Name:	INGENIUM (ESCONDIDO)
Trans 2 EPA ID:	MAD039322250
Trans 2 Name:	CLEAN HARBORS ENVIROMENTAL
TSDF EPA ID:	UTD981552177
Trans Name:	CLEAN HARBORS ARAGONITE LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	551 - Laboratory waste chemicals 561 Detergent and soap
RCRA Code:	D001
Meth Code:	H040 - Incineration--Thermal Destruction Other Than Use As A Fuel
Quantity Tons:	0.005
Waste Quantity:	10
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported

MIRI CORPORATION (Continued) **S113162566**

Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20120413
Creation Date:	12/6/2012 22:15:45
Receipt Date:	20120501
Manifest ID:	009650785JJK
Trans EPA ID:	CAR000179747
Trans Name:	INGENIUM (ESCONDIDO)
Trans 2 EPA ID:	MAD039322250
Trans 2 Name:	CLEAN HARBORS ENVIROMENTAL
TSDF EPA ID:	UTD981552177
Trans Name:	CLEAN HARBORS ARAGONITE LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	551 - Laboratory waste chemicals 561 Detergent and soap
RCRA Code:	D001
Meth Code:	H040 - Incineration--Thermal Destruction Other Than Use As A Fuel
Quantity Tons:	0.005
Waste Quantity:	10
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20120413
Creation Date:	12/6/2012 22:15:45
Receipt Date:	20120501
Manifest ID:	009650785JJK
Trans EPA ID:	CAR000179747
Trans Name:	INGENIUM (ESCONDIDO)
Trans 2 EPA ID:	MAD039322250
Trans 2 Name:	CLEAN HARBORS ENVIROMENTAL
TSDF EPA ID:	UTD981552177
Trans Name:	CLEAN HARBORS ARAGONITE LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	551 - Laboratory waste chemicals 561 Detergent and soap
RCRA Code:	D001
Meth Code:	H040 - Incineration--Thermal Destruction Other Than Use As A Fuel
Quantity Tons:	0.005
Waste Quantity:	10
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20120413
Creation Date:	12/6/2012 22:15:45
Receipt Date:	20120501
Manifest ID:	009650785JJK
Trans EPA ID:	CAR000179747
Trans Name:	INGENIUM (ESCONDIDO)

MIRI CORPORATION (Continued) **S113162566**

Trans 2 EPA ID:	MAD039322250
Trans 2 Name:	CLEAN HARBORS ENVIROMENTAL
TSDF EPA ID:	UTD981552177
Trans Name:	CLEAN HARBORS ARAGONITE LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	551 - Laboratory waste chemicals 561 Detergent and soap
RCRA Code:	D001
Meth Code:	H040 - Incineration--Thermal Destruction Other Than Use As A Fuel
Quantity Tons:	0.005
Waste Quantity:	10
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20120127
Creation Date:	7/19/2012 22:00:24
Receipt Date:	20120217
Manifest ID:	009650544JJK
Trans EPA ID:	CAR000179747
Trans Name:	INGENIUM (ESCONDIDO)
Trans 2 EPA ID:	CAR000179747
Trans 2 Name:	INGENIUM (SAN JOSE)
TSDF EPA ID:	CAD008302903
Trans Name:	VEOLIA ENVIRONMENTAL SERVICES
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	D009
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.002
Waste Quantity:	4
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20120127
Creation Date:	12/3/2012 22:16:24
Receipt Date:	20120214
Manifest ID:	009650542JJK
Trans EPA ID:	CAR000179747
Trans Name:	INGENIUM (ESCONDIDO)
Trans 2 EPA ID:	MAD039322250
Trans 2 Name:	CLEAN HARBORS ENVIRO
TSDF EPA ID:	UTD981552177
Trans Name:	CLEAN HARBORS ARAGONITE LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	551 - Laboratory waste chemicals 561 Detergent and soap
RCRA Code:	Not reported

MIRI CORPORATION (Continued) **S113162566**

Meth Code:	H040 - Incineration--Thermal Destruction Other Than Use As A Fuel
Quantity Tons:	0.005
Waste Quantity:	10
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20120127
Creation Date:	12/3/2012 22:16:24
Receipt Date:	20120214
Manifest ID:	009650542JJK
Trans EPA ID:	CAR000179747
Trans Name:	INGENIUM (ESCONDIDO)
Trans 2 EPA ID:	MAD039322250
Trans 2 Name:	CLEAN HARBORS ENVIRO
TSDF EPA ID:	UTD981552177
Trans Name:	CLEAN HARBORS ARAGONITE LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	551 - Laboratory waste chemicals 561 Detergent and soap
RCRA Code:	D002
Meth Code:	H040 - Incineration--Thermal Destruction Other Than Use As A Fuel
Quantity Tons:	0.005
Waste Quantity:	10
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20120127
Creation Date:	12/3/2012 22:16:24
Receipt Date:	20120210
Manifest ID:	009650541JJK
Trans EPA ID:	CAR000179747
Trans Name:	INGENIUM (ESCONDIDO)
Trans 2 EPA ID:	CAR000179382
Trans 2 Name:	ENV ENVIRONMENTAL INTERNATIONAL INC
TSDF EPA ID:	ARD981057870
Trans Name:	RINECO
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	343 - Unspecified organic liquid mixture
RCRA Code:	D035
Meth Code:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Quantity Tons:	0.0075
Waste Quantity:	15
Quantity Unit:	P
Additional Code 1:	D001
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

MIRI CORPORATION (Continued) **S113162566**

Shipment Date:	20120127
Creation Date:	12/3/2012 22:16:24
Receipt Date:	20120210
Manifest ID:	009650541JJK
Trans EPA ID:	CAR000179747
Trans Name:	INGENIUM (ESCONDIDO)
Trans 2 EPA ID:	CAR000179382
Trans 2 Name:	ENV ENVIRONMENTAL INTERNATIONAL INC
TSDF EPA ID:	ARD981057870
Trans Name:	RINECO
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	343 - Unspecified organic liquid mixture
RCRA Code:	D035
Meth Code:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Quantity Tons:	0.3625
Waste Quantity:	725
Quantity Unit:	P
Additional Code 1:	D001
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20120127
Creation Date:	12/3/2012 22:16:24
Receipt Date:	20120214
Manifest ID:	009650542JJK
Trans EPA ID:	CAR000179747
Trans Name:	INGENIUM (ESCONDIDO)
Trans 2 EPA ID:	MAD039322250
Trans 2 Name:	CLEAN HARBORS ENVIRO
TSDF EPA ID:	UTD981552177
Trans Name:	CLEAN HARBORS ARAGONITE LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	551 - Laboratory waste chemicals 561 Detergent and soap
RCRA Code:	D002
Meth Code:	H040 - Incineration--Thermal Destruction Other Than Use As A Fuel
Quantity Tons:	0.005
Waste Quantity:	10
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2011
Gen EPA ID:	CAL000369781

Shipment Date:	20111227
Creation Date:	5/25/2012 20:30:23
Receipt Date:	20120111
Manifest ID:	009311935JJK
Trans EPA ID:	CAR000179747

MIRI CORPORATION (Continued) **S113162566**

Trans Name:	INGENIUM (ESCONDIDO)
Trans 2 EPA ID:	NJD986607380
Trans 2 Name:	MAUMEE EXPRESS INC
TSDF EPA ID:	ARD981057870
Trans Name:	RINECO
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	272 - Polymeric resin waste
RCRA Code:	D001
Meth Code:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Quantity Tons:	0.27105
Waste Quantity:	65
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

CERS:

Name:	MIRI CORPORATION
Address:	1080 LINDA VISTA DR STE A
City,State,Zip:	SAN MARCOS, CA 92078
Site ID:	425259
CERS ID:	10741948
CERS Description:	Chemical Storage Facilities

Violations:

Site ID:	425259
Site Name:	Miri Corporation
Violation Date:	01-08-2021
Citation:	40 CFR 1 265.174 - U.S. Code of Federal Regulations, Title 40, Chapter 1, Section(s) 265.174
Violation Description:	Failure to inspect hazardous waste storage areas at least weekly and look for leaking and deteriorating containers.
Violation Notes:	Returned to compliance on 03/01/2021. Inspection Sequence ID:6235761
Violation Division:	San Diego County Department of Env Health
Violation Program:	HW
Violation Source:	CERS,

Site ID:	425259
Site Name:	Miri Corporation
Violation Date:	08-09-2017
Citation:	HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description:	Failure to complete and electronically submit a business plan when storing/handling a hazardous material at or above reportable quantities.
Violation Notes:	Returned to compliance on 08/09/2017. Inspection Sequence ID:5778381
Violation Division:	San Diego County Department of Env Health
Violation Program:	HMRRP
Violation Source:	CERS,

Site ID:	425259
Site Name:	Miri Corporation
Violation Date:	01-08-2021
Citation:	22 CCR 12 66262.12 - California Code of Regulations, Title 22, Chapter

MIRI CORPORATION (Continued) **S113162566**

	12, Section(s) 66262.12
Violation Description:	Failure to obtain an Identification Number prior to treating, storing, disposing of, transporting or offering for transportation any hazardous waste.
Violation Notes:	Returned to compliance on 03/08/2021. Inspection Sequence ID:6235761
Violation Division:	San Diego County Department of Env Health
Violation Program:	HW
Violation Source:	CERS,
Site ID:	425259
Site Name:	Miri Corporation
Violation Date:	01-08-2021
Citation:	HSC 6.5 Multiple - California Health and Safety Code, Chapter 6.5, Section(s) Multiple
Violation Description:	Hazardous Waste Generator Program - Operations/Maintenance - General
Violation Notes:	Returned to compliance on 02/26/2021. Inspection Sequence ID:6235761;Violation:HMD0152 Failed to report &/or update the required inventory information for hazardous waste(s) generated at the facility in CERS. SDCC 68.904(a)(2)
Violation Division:	San Diego County Department of Env Health
Violation Program:	HW
Violation Source:	CERS,
Site ID:	425259
Site Name:	Miri Corporation
Violation Date:	01-08-2021
Citation:	HSC 6.5 Multiple - California Health and Safety Code, Chapter 6.5, Section(s) Multiple
Violation Description:	Tiered Permitting - Administration/Documentation - General
Violation Notes:	Returned to compliance on 04/14/2021. Inspection Sequence ID:6235761;Tank ID:1;Violation:HMD1711 Inadequate or no written inspection schedule for containers, tanks, & equipment (must include inspections for safety and emergency equipment, specify problems checked, and frequency of inspections). For containers: CE: HSC 25201.5(d)(4)&(5); CEL: 25201.14(c)(1); CA: 25200.3(c)(5); PBR: 22 CCR 67450.3(c)(8)(B) & 67450.3(c)(9)(A) & (D); 66265.15 (For tanks, also 22 CCR 66265.195)
Violation Division:	San Diego County Department of Env Health
Violation Program:	CE
Violation Source:	CERS,
Site ID:	425259
Site Name:	Miri Corporation
Violation Date:	01-08-2021
Citation:	22 CCR 12 66262.11 - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.11
Violation Description:	Failure to determine if wastes generated are hazardous waste by using generator knowledge or applying testing method.
Violation Notes:	Returned to compliance on 03/08/2021. Inspection Sequence ID:6235761
Violation Division:	San Diego County Department of Env Health
Violation Program:	HW
Violation Source:	CERS,
Site ID:	425259
Site Name:	Miri Corporation
Violation Date:	08-09-2017
Citation:	HSC 6.5 Multiple - California Health and Safety Code, Chapter 6.5,

MIRI CORPORATION (Continued) **S113162566**

Section(s) Multiple
Violation Description: Hazardous Waste Generator Program - Administration/Documentation - General
Violation Notes: Returned to compliance on 01/12/2018. Inspection Sequence ID:5778381;Violation:HMD0131 Unified Program Facility Permit not obtained &/or maintained for the generation of hazardous waste. HSC 25404.1; SDCC 68.905
Violation Division: San Diego County Department of Env Health
Violation Program: HW
Violation Source: CERS,

Site ID: 425259
Site Name: Miri Corporation
Violation Date: 01-08-2021
Citation: HSC 6.5 Multiple - California Health and Safety Code, Chapter 6.5, Section(s) Multiple
Violation Description: Tiered Permitting - Administration/Documentation - General
Violation Notes: Returned to compliance on 03/01/2021. Inspection Sequence ID:6235761;Tank ID:1;Violation:HMD1712 Inadequate or no records of inspections (must include dates, times, name of inspector, observations, and specifics of needed repairs or corrective actions). (3 years for CE and PBR units, 5 years for CA). CE: HSC 25201.5(d)(4)&(5), 25201.14(c)(1); CA: HSC 25200.3(c)(5)&(7); PBR: 22 CCR 67450.3(c)(8) & (9)(A) & (D), 66265.73(a)&(b)(1); 66265.15(b),(d)
Violation Division: San Diego County Department of Env Health
Violation Program: CE
Violation Source: CERS,

Site ID: 425259
Site Name: Miri Corporation
Violation Date: 08-09-2017
Citation: HSC 6.95 Multiple - California Health and Safety Code, Chapter 6.95, Section(s) Multiple
Violation Description: Business Plan Program - Administration/Documentation - General
Violation Notes: Returned to compliance on 01/12/2018. Inspection Sequence ID:5778381;Violation:HMD1001 Unified Program Facility permit not obtained for hazardous materials. SDCC 68.905; 68.906, 68.907
Violation Division: San Diego County Department of Env Health
Violation Program: HMRRP
Violation Source: CERS,

Evaluation:
Eval General Type: Compliance Evaluation Inspection
Eval Date: 08-09-2017
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Inspector: Calcagno Leonardo Inspection ID:5778381
Eval Division: San Diego County Department of Env Health
Eval Program: CE
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 08-09-2017
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Inspector: Calcagno Leonardo Inspection ID:5778381
Eval Division: San Diego County Department of Env Health

MIRI CORPORATION (Continued) **S113162566**

Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-08-2021
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Inspector: Valdez Kevin Inspection ID:6235761
Eval Division: San Diego County Department of Env Health
Eval Program: CE
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-08-2021
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Inspector: Valdez Kevin Inspection ID:6235761
Eval Division: San Diego County Department of Env Health
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 08-09-2017
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Inspector: Calcagno Leonardo Inspection ID:5778381
Eval Division: San Diego County Department of Env Health
Eval Program: HMRRP
Eval Source: CERS,

Affiliation:
Affiliation Type Desc: Environmental Contact
Entity Name: Joyce Shaffer
Entity Title: Not reported
Affiliation Address: 1080 Linda Vista Dr Ste A
Affiliation City: San Marcos
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 92078
Affiliation Phone: ,

Affiliation Type Desc: CUPA District
Entity Name: San Diego County Env Health Qlty
Entity Title: Not reported
Affiliation Address: PO Box 129261
Affiliation City: San Diego
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 92112-9261
Affiliation Phone: (858) 505-6880,

Affiliation Type Desc: Legal Owner
Entity Name: Joyce Shaffer
Entity Title: Not reported
Affiliation Address: 1080 Linda Vista Dr Ste A
Affiliation City: San Marcos
Affiliation State: CA

MIRI CORPORATION (Continued) **S113162566**

Affiliation Country:	United States
Affiliation Zip:	92078
Affiliation Phone:	(760) 744-1128,
Affiliation Type Desc:	Onsite Treatment Unit Owner Operator
Entity Name:	Joyce Shaffer
Entity Title:	President
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,
Affiliation Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	Not reported
Affiliation Address:	1080 Linda Vista Dr Ste A
Affiliation City:	San Marcos
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92078
Affiliation Phone:	,
Affiliation Type Desc:	Operator
Entity Name:	Joyce Shaffer
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	(760) 744-1128,
Affiliation Type Desc:	Parent Corporation
Entity Name:	Miri Corporation
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,
Affiliation Type Desc:	Document Preparer
Entity Name:	Joyce Shaffer
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,
Affiliation Type Desc:	Identification Signer
Entity Name:	Joyce Shaffer
Entity Title:	Presdient

MIRI CORPORATION (Continued) **S113162566**

Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

HWTS:
Name: MIRI CORPORATION
Address: 1080 LINDA VISTA DR
Address 2: Not reported
City,State,Zip: SAN MARCOS, CA 92078
EPA ID: CAL000369781
Inactive Date: Not reported
Create Date: 12/06/2011
Last Act Date: Not reported
Mailing Name: Not reported
Mailing Address: 1080 LINDA VISTA DR STE A
Mailing Address 2: Not reported
Mailing City,State,Zip: SAN MARCOS, CA 92078
Owner Name: MIRI CORPORATION
Owner Address: 13395 COOL LAKE WY
Owner Address 2: Not reported
Owner City,State,Zip: SAN DIEGO, CA 92128
Contact Name: JOYCE SHAFFER
Contact Address: 13395 COOL LAKE WY
Contact Address 2: Not reported
City,State,Zip: SAN DIEGO, CA 92128
Facility Status: Active
Facility Type: PERMANENT
Category: STATE
Latitude: 33.138866
Longitude: -117.189009

NAICS:
EPA ID: CAL000369781
Create Date: 2021-03-08 14:47:58.343
NAICS Code: 339992
NAICS Description: Musical Instrument Manufacturing
Issued EPA ID Date: 2011-12-06 11:02:11.17700
Inactive Date: Not reported
Facility Name: MIRI CORPORATION
Facility Address: 1080 LINDA VISTA DR
Facility Address 2: Not reported
Facility City: SAN MARCOS
Facility County: Not reported
Facility State: CA
Facility Zip: 92078

N90 **PACIFIC PRIDE, SKS, SAN MARCOS** **UST** **U004261997**
ESE **875 W GRAND AVE** **N/A**
< 1/8 **SAN MARCOS, CA 92069**
0.100 mi.
530 ft. **Site 1 of 6 in cluster N**

Relative: UST:
Higher

Actual:
550 ft.

Name:	PACIFIC PRIDE, SKS, SAN MARCOS
Address:	875 W GRAND AVE
City,State,Zip:	SAN MARCOS, CA 92069
Facility ID:	37-000-120785
Permitting Agency:	San Diego County Department of Environmental Health
CERSID:	10375879
Latitude:	33.13918
Longitude:	-117.1824

N91 **BRACKMAN FUEL CENTER -SKS** **HIST UST** **U001572191**
ESE **875 GRAND AVE** **N/A**
< 1/8 **SAN MARCOS, CA 92069**
0.100 mi.
530 ft. **Site 2 of 6 in cluster N**

Relative: HIST UST:
Higher

Actual:
550 ft.

Name:	BRACKMAN FUEL CENTER -SKS
Address:	875 GRAND AVE
City,State,Zip:	SAN MARCOS, CA 92069
File Number:	Not reported
URL:	Not reported
Region:	STATE
Facility ID:	00000018119
Facility Type:	Gas Station
Other Type:	Not reported
Contact Name:	INGRAM/LES PERANCE
Telephone:	6197457723
Owner Name:	ECKERTS VAN & STORAGE
Owner Address:	849 W. GRAND
Owner City,St,Zip:	SAN MARCOS, CA 92069
Total Tanks:	0004
Tank Num:	001
Container Num:	1
Year Installed:	1981
Tank Capacity:	00012000
Tank Used for:	PRODUCT
Type of Fuel:	REGULAR
Container Construction Thickness:	1/4
Leak Detection:	Visual, Stock Inventor
Tank Num:	002
Container Num:	2
Year Installed:	1981
Tank Capacity:	00012000
Tank Used for:	PRODUCT
Type of Fuel:	UNLEADED
Container Construction Thickness:	1/4
Leak Detection:	Visual, Stock Inventor
Tank Num:	003
Container Num:	3
Year Installed:	1981

BRACKMAN FUEL CENTER -SKS (Continued) **U001572191**

Tank Capacity:	00012000
Tank Used for:	Not reported
Type of Fuel:	UNLEADED
Container Construction Thickness:	1/4
Leak Detection:	Visual, Stock Inventor

Tank Num:	004
Container Num:	4
Year Installed:	1981
Tank Capacity:	00012000
Tank Used for:	PRODUCT
Type of Fuel:	DIESEL
Container Construction Thickness:	1/4
Leak Detection:	Visual, Stock Inventor

N92 **PACIFIC PRIDE, SKS, SAN MARCOS** **SWEEPS UST** **S106930427**
ESE **875 W GRAND AVE** **SAN DIEGO CO LOP** **N/A**
< 1/8 **SAN MARCOS, CA 92069**
0.100 mi.
530 ft. **Site 3 of 6 in cluster N**

Relative:
Higher

Actual:
550 ft.

SWEEPS UST:

Name:	PACIFIC PRIDE, SKS, SAN MARCOS
Address:	875 W GRAND AVE
City:	SAN MARCOS
Status:	Active
Comp Number:	20785
Number:	9
Board Of Equalization:	44-023331
Referral Date:	Not reported
Action Date:	06-26-92
Created Date:	02-29-88
Owner Tank Id:	Not reported
SWRCB Tank Id:	37-000-020785-000001
Tank Status:	A
Capacity:	12000
Active Date:	Not reported
Tank Use:	M.V. FUEL
STG:	P
Content:	LEADED
Number Of Tanks:	4

Name:	PACIFIC PRIDE, SKS, SAN MARCOS
Address:	875 W GRAND AVE
City:	SAN MARCOS
Status:	Active
Comp Number:	20785
Number:	9
Board Of Equalization:	44-023331
Referral Date:	Not reported
Action Date:	06-26-92
Created Date:	02-29-88
Owner Tank Id:	Not reported
SWRCB Tank Id:	37-000-020785-000002
Tank Status:	A
Capacity:	12000
Active Date:	Not reported
Tank Use:	M.V. FUEL

PACIFIC PRIDE, SKS, SAN MARCOS (Continued) **S106930427**

STG: P
Content: REG UNLEADED
Number Of Tanks: Not reported

Name: PACIFIC PRIDE, SKS, SAN MARCOS
Address: 875 W GRAND AVE
City: SAN MARCOS
Status: Active
Comp Number: 20785
Number: 9
Board Of Equalization: 44-023331
Referral Date: Not reported
Action Date: 06-26-92
Created Date: 02-29-88
Owner Tank Id: Not reported
SWRCB Tank Id: 37-000-020785-000003
Tank Status: A
Capacity: 12000
Active Date: Not reported
Tank Use: M.V. FUEL
STG: P
Content: REG UNLEADED
Number Of Tanks: Not reported

Name: PACIFIC PRIDE, SKS, SAN MARCOS
Address: 875 W GRAND AVE
City: SAN MARCOS
Status: Active
Comp Number: 20785
Number: 9
Board Of Equalization: 44-023331
Referral Date: Not reported
Action Date: 06-26-92
Created Date: 02-29-88
Owner Tank Id: Not reported
SWRCB Tank Id: 37-000-020785-000004
Tank Status: A
Capacity: 12000
Active Date: Not reported
Tank Use: M.V. FUEL
STG: P
Content: OTHER
Number Of Tanks: Not reported

SAN DIEGO CO LOP:
Name: PACIFIC PRIDE, SKS, SAN MARCOS
Address: 875 W GRAND AVE
City,State,Zip: SAN MARCOS, CA 92069
Record ID: DEH2004-LSAM-H20785-002
Record Status: Completed
Opened Date: 04/19/2004
Parcel Number: 219-180-47-00
Case Type: LOP - Local Oversight Program
Historical Name: SKS
SWRCB Global ID: T06019794315
Funding: S - LOP State Fund
Lead Agency: DEH/SAM

PACIFIC PRIDE, SKS, SAN MARCOS (Continued) **S106930427**

Lead Agency Date:	10/26/2004
Census Tract:	200.29
Community:	San Marcos
Jurisdiction:	SAN MARCOS
Watershed Basin Number:	904.52
Water Purveyor:	VALLECITOS WATER DISTRICT
Fire Agency:	SAN MARCOS FIRE PROT DIST
Latitude:	33.1384701
Longitude:	-117.1820700
X MapCoord:	6276352.356
Y MapCoord:	1995284.588

Name:	PACIFIC PRIDE, SKS, SAN MARCOS
Address:	875 W GRAND AVE
City,State,Zip:	SAN MARCOS, CA 92069
Record ID:	DEH1991-LSAM-H20785-001
Record Status:	Completed
Opened Date:	06/28/1991
Parcel Number:	219-180-47-00
Case Type:	LOP - Local Oversight Program
Historical Name:	SKS, SAN MARCOS
SWRCB Global ID:	T0607300829
Funding:	F - LOP Federal Fund
Lead Agency:	DEH/SAM
Lead Agency Date:	06/28/1991
Census Tract:	200.29
Community:	San Marcos
Jurisdiction:	SAN MARCOS
Watershed Basin Number:	904.52
Water Purveyor:	VALLECITOS WATER DISTRICT
Fire Agency:	SAN MARCOS FIRE PROT DIST
Latitude:	33.1384701
Longitude:	-117.1820700
X MapCoord:	6276352.356
Y MapCoord:	1995284.588

N93 **PACIFIC PRIDE, SKS, SAN MARCOS** **UST** **U003789646**
ESE **875 GRAND AVE** **N/A**
< 1/8 **SAN MARCOS, CA 92078**
0.100 mi.
530 ft. **Site 4 of 6 in cluster N**

Relative: UST:
Higher

Name:	PACIFIC PRIDE, SKS, SAN MARCOS
Address:	875 GRAND AVE
City,State,Zip:	SAN MARCOS, CA 92078
Facility ID:	H20785
Permitting Agency:	SAN DIEGO COUNTY
CERSID:	Not reported
Latitude:	33.140531
Longitude:	-117.181056

Actual:
550 ft.

N94 **SKS, SAN MARCOS** **SAN DIEGO CO. SAM** **S100274033**
ESE **875 W GRAND AV** **LUST** **N/A**
< 1/8 **SAN MARCOS, CA 92069** **San Diego Co. HMMD**
0.100 mi. **HIST UST**
530 ft. **Site 5 of 6 in cluster N** **Cortese**
EMI
Relative: **HIST CORTESE**
Higher **SAN DIEGO CO LOP**
CERS
Actual:
550 ft.

SAN DIEGO CO. SAM:

Name:	PACIFIC PRIDE, SKS, SAN MARCOS
Address:	875 W GRAND AV
City,State,Zip:	SAN MARCOS, CA 920694224
Case Number:	H20785-002
Agency:	DEH Site Assessment & Mitigation
Funding:	**LOP - State Fund**
Facility Type:	AX
Facility Status:	Remedial Investigation
Date:	6/7/2008
Date Began:	5/15/2003

Name:	PACIFIC PRIDE, SKS, SAN MARCOS
Address:	875 W GRAND AV
City,State,Zip:	SAN MARCOS, CA 920694224
Case Number:	H20785-001
Agency:	DEH Site Assessment & Mitigation
Funding:	**LOP - Federal Fund**
Facility Type:	Soils Only
Facility Status:	Closed Case
Date:	1/31/1996
Date Began:	6/28/1991

LUST:

Name:	PACIFIC PRIDE, SKS, SAN MARCOS
Address:	875 W GRAND AV
City,State,Zip:	SAN MARCOS, CA 920694224
Lead Agency:	SAN DIEGO COUNTY LOP
Case Type:	LUST Cleanup Site
Geo Track:	http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0607300829
Global Id:	T0607300829
Latitude:	33.139195
Longitude:	-117.182455
Status:	Completed - Case Closed
Status Date:	01/31/1996
Case Worker:	Not reported
RB Case Number:	9UT2059
Local Agency:	Not reported
File Location:	Local Agency
Local Case Number:	H20785-001
Potential Media Affect:	Soil
Potential Contaminants of Concern:	Diesel
Site History:	Not reported

LUST:

Global Id:	T0607300829
Action Type:	ENFORCEMENT
Date:	01/26/1996
Action:	Closure/No Further Action Letter

SKS, SAN MARCOS (Continued) **S100274033**

Global Id: T0607300829
Action Type: Other
Date: 06/28/1991
Action: Leak Reported

Global Id: T0607300829
Action Type: ENFORCEMENT
Date: 09/24/1991
Action: Notice of Responsibility

Global Id: T0607300829
Action Type: Other
Date: 06/28/1991
Action: Leak Began

Global Id: T0607300829
Action Type: Other
Date: 06/28/1991
Action: Leak Stopped

Global Id: T0607300829
Action Type: Other
Date: 06/28/1991
Action: Leak Discovery

LUST:
Global Id: T0607300829
Status: Open - Case Begin Date
Status Date: 06/28/1991

Global Id: T0607300829
Status: Completed - Case Closed
Status Date: 01/31/1996

Name: SKS, SAN MARCOS
Address: 875 W GRAND AV
City,State,Zip: SAN MARCOS, CA 920694224
Lead Agency: SAN DIEGO COUNTY LOP
Case Type: LUST Cleanup Site
Geo Track: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T06019794315
Global Id: T06019794315
Latitude: 33.139129
Longitude: -117.182378
Status: Completed - Case Closed
Status Date: 09/06/2011
Case Worker: KK
RB Case Number: Not reported
Local Agency: SAN DIEGO COUNTY LOP
File Location: Local Agency
Local Case Number: H20785-002
Potential Media Affect: Aquifer used for drinking water supply
Potential Contaminants of Concern: Diesel, Gasoline
Site History: On May 15, 2003, the Department of Environmental Health (DEH) directed soil sampling associated with the replacement of product piping and dispenser pans at this unmanned commercial fueling facility. The resulting analytical data indicated a release of

SKS, SAN MARCOS (Continued) **S100274033**

hydrocarbons had occurred at the site and DEH subsequently opened unauthorized release case H20785-002 and required that hydrocarbon impacts be assessed. As a result, three monitoring wells and one boring were installed at the site to assess sorbed- and dissolved-phase hydrocarbons. Hydrocarbon-impacted soil was primarily observed in the vicinity of the northern dispenser islands with concentrations of total petroleum hydrocarbons as gasoline and methyl tertiary butyl ether (MTBE) detected at 150 and 0.820 milligrams per kilogram (mg/kg), respectively. The consultant estimated that approximately 50 cubic yards of hydrocarbon-impacted soil above 100 mg/kg remain in the central portion of the site. Dissolved-phase hydrocarbons have primarily been observed in only one monitoring well in the eastern central portion of the site. Dissolved-phase hydrocarbon impacts have generally been limited to MTBE, and its breakdown product tertiary butyl alcohol, with concentrations as high as 990 and 26 micrograms per liter (%g/l), respectively. Groundwater sampling indicates that dissolved-phase hydrocarbon impacts are limited and confined to the site boundaries. A natural attenuation evaluation was conducted at the site. Based on trend analysis conducted with site specific data, the consultant determined that natural attenuation is an effective mitigation strategy and estimates that MTBE will reach the secondary maximum contaminant level (MCL) of 5 %g/l within approximately 20 years or by the year 2030. The consultant contacted the local water purveyor, Vallecitos Water District, to inquire on the potential use of groundwater in the vicinity of the site on August 16, 2011. According to Larry Gastar of the Engineering Department, the Vallecitos Water District imports all of their water and does not utilize groundwater within their service area. There are currently no plans to utilize groundwater in the future. The consultant conducted an exposure pathway evaluation for the site, which is an unmanned commercial fueling facility. Based on the evaluation of the site in its existing condition and considering that the contaminants do not appear to extend offsite, the consultant concluded that human health and the environment are adequately protected. The consultant prepared a corrective action plan for the site and notified the public, including surrounding property owners and other interested parties, of the recommendation to implement natural attenuation and close the associated DEH case. Based on the provided data, DEH agrees with the consultants recommendation for no further action and regulatory case closure.

LUST:

Global Id:	T06019794315
Contact Type:	Local Agency Caseworker
Contact Name:	KEITH KEZER
Organization Name:	SAN DIEGO COUNTY LOP
Address:	P.O. Box 129261
City:	San Diego
Email:	keith.kezer@sdcounty.ca.gov
Phone Number:	Not reported

LUST:

Global Id:	T06019794315
Action Type:	ENFORCEMENT
Date:	07/17/2007
Action:	Notice of Violation

SKS, SAN MARCOS (Continued) **S100274033**

Global Id: T06019794315
Action Type: Other
Date: 05/15/2003
Action: Leak Discovery

Global Id: T06019794315
Action Type: ENFORCEMENT
Date: 04/19/2004
Action: Notice of Responsibility

Global Id: T06019794315
Action Type: Other
Date: 05/15/2003
Action: Leak Began

Global Id: T06019794315
Action Type: Other
Date: 04/19/2004
Action: Leak Reported

Global Id: T06019794315
Action Type: RESPONSE
Date: 11/30/2009
Action: Monitoring Report - Quarterly

Global Id: T06019794315
Action Type: RESPONSE
Date: 02/28/2009
Action: Site Assessment Report

Global Id: T06019794315
Action Type: RESPONSE
Date: 08/30/2009
Action: Monitoring Report - Quarterly

Global Id: T06019794315
Action Type: ENFORCEMENT
Date: 04/23/2009
Action: Technical Correspondence / Assistance / Other

Global Id: T06019794315
Action Type: ENFORCEMENT
Date: 07/09/2009
Action: Letter - Notice

Global Id: T06019794315
Action Type: RESPONSE
Date: 03/30/2010
Action: Final Remedial Action Report / Corrective Action Report

Global Id: T06019794315
Action Type: ENFORCEMENT
Date: 08/31/2011
Action: Technical Correspondence / Assistance / Other

Global Id: T06019794315
Action Type: Other

SKS, SAN MARCOS (Continued) **S100274033**

Date: 10/25/2004
Action: Leak Stopped

Global Id: T06019794315
Action Type: RESPONSE
Date: 01/30/2009
Action: Monitoring Report - Quarterly

Global Id: T06019794315
Action Type: RESPONSE
Date: 07/25/2011
Action: Other Report / Document

Global Id: T06019794315
Action Type: ENFORCEMENT
Date: 07/31/2008
Action: Technical Correspondence / Assistance / Other

Global Id: T06019794315
Action Type: ENFORCEMENT
Date: 06/29/2011
Action: Technical Correspondence / Assistance / Other

Global Id: T06019794315
Action Type: ENFORCEMENT
Date: 06/29/2011
Action: Technical Correspondence / Assistance / Other

Global Id: T06019794315
Action Type: ENFORCEMENT
Date: 09/05/2011
Action: Technical Correspondence / Assistance / Other

Global Id: T06019794315
Action Type: ENFORCEMENT
Date: 09/06/2011
Action: Closure/No Further Action Letter

Global Id: T06019794315
Action Type: RESPONSE
Date: 07/30/2009
Action: Monitoring Report - Quarterly

Global Id: T06019794315
Action Type: RESPONSE
Date: 10/31/2009
Action: Monitoring Report - Quarterly

Global Id: T06019794315
Action Type: RESPONSE
Date: 01/30/2010
Action: Monitoring Report - Quarterly

LUST:
Global Id: T06019794315
Status: Open - Case Begin Date
Status Date: 05/15/2003

SKS, SAN MARCOS (Continued) **S100274033**

Global Id: T06019794315
Status: Open - Site Assessment
Status Date: 10/26/2004

Global Id: T06019794315
Status: Open - Verification Monitoring
Status Date: 10/26/2004

Global Id: T06019794315
Status: Completed - Case Closed
Status Date: 09/06/2011

Name: PACIFIC PRIDE
Address: 875 GRAND AVE.
City,State,Zip: SAN MARCOS, CA 92078
Lead Agency: SAN DIEGO RWQCB (REGION 9)
Case Type: LUST Cleanup Site
Geo Track: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T10000009279
Global Id: T10000009279
Latitude: 33.13918
Longitude: -117.1824
Status: Completed - Case Closed
Status Date: 07/31/2018
Case Worker: CQC
RB Case Number: Not reported
Local Agency: Not reported
File Location: Local Agency
Local Case Number: Not reported
Potential Media Affect: Other Groundwater (uses other than drinking water), Soil
Potential Contaminants of Concern: Diesel
Site History: Four 12,000-gallon underground storage tanks (USTs) which contained gasoline and diesel were located in the central portion of the subject property. Three fuel dispenser islands were located to the north of the USTs, and four dispenser islands were located to the south of the USTs. An unauthorized release of petroleum hydrocarbons was discovered when the USTs and associated pipelines were removed on May 24, 2016.

LUST:
Global Id: T10000009279
Contact Type: Regional Board Caseworker
Contact Name: CHARLES Q. CHENG
Organization Name: SAN DIEGO RWQCB (REGION 9)
Address: 2375 NORTHSIDE DRIVE, SUITE 100
City: SAN DIEGO
Email: charles.cheng@waterboards.ca.gov
Phone Number: 6195213359

LUST:
Global Id: T10000009279
Action Type: ENFORCEMENT
Date: 10/05/2016
Action: Technical Correspondence / Assistance / Other

Global Id: T10000009279
Action Type: ENFORCEMENT

SKS, SAN MARCOS (Continued) **S100274033**

Date: 07/31/2018
Action: Closure/No Further Action Letter

Global Id: T10000009279
Action Type: Other
Date: 05/24/2016
Action: Leak Began

Global Id: T10000009279
Action Type: ENFORCEMENT
Date: 09/12/2016
Action: Technical Correspondence / Assistance / Other

Global Id: T10000009279
Action Type: ENFORCEMENT
Date: 10/11/2016
Action: Technical Correspondence / Assistance / Other

Global Id: T10000009279
Action Type: ENFORCEMENT
Date: 12/14/2016
Action: Technical Correspondence / Assistance / Other

Global Id: T10000009279
Action Type: ENFORCEMENT
Date: 10/10/2016
Action: Notice of Responsibility

Global Id: T10000009279
Action Type: RESPONSE
Date: 09/29/2016
Action: Unauthorized Release Form

Global Id: T10000009279
Action Type: RESPONSE
Date: 06/02/2016
Action: Tank Removal Report / UST Sampling Report

Global Id: T10000009279
Action Type: RESPONSE
Date: 02/07/2017
Action: Preliminary Site Assessment Workplan - Regulator Responded

Global Id: T10000009279
Action Type: ENFORCEMENT
Date: 03/29/2018
Action: Notification - Public Notice of Case Closure

Global Id: T10000009279
Action Type: RESPONSE
Date: 09/29/2016
Action: Correspondence

Global Id: T10000009279
Action Type: ENFORCEMENT
Date: 08/23/2016
Action: Notice of Responsibility

SKS, SAN MARCOS (Continued) **S100274033**

Global Id: T10000009279
Action Type: ENFORCEMENT
Date: 04/07/2017
Action: Technical Correspondence / Assistance / Other

Global Id: T10000009279
Action Type: ENFORCEMENT
Date: 08/07/2017
Action: Referral to Regional Board

Global Id: T10000009279
Action Type: Other
Date: 06/02/2016
Action: Leak Discovery

Global Id: T10000009279
Action Type: RESPONSE
Date: 09/12/2016
Action: Correspondence

Global Id: T10000009279
Action Type: ENFORCEMENT
Date: 05/31/2018
Action: Staff Letter

Global Id: T10000009279
Action Type: ENFORCEMENT
Date: 03/27/2018
Action: Staff Letter

Global Id: T10000009279
Action Type: Other
Date: 06/02/2016
Action: Leak Reported

LUST:
Global Id: T10000009279
Status: Open - Case Begin Date
Status Date: 05/24/2016

Global Id: T10000009279
Status: Open - Site Assessment
Status Date: 08/23/2016

Global Id: T10000009279
Status: Completed - Case Closed
Status Date: 07/31/2018

LUST REG 9:
Region: 9
Status: Case Closed
Case Number: 9UT2059
Local Case: H20785-001
Substance: Diesel
Qty Leaked: 0

SKS, SAN MARCOS (Continued) **S100274033**

Abate Method:	Excavate and Treat - remove contaminated soil and treat (includes spreading or land farming)
Local Agency:	San Diego
How Found:	Other Means
How Stopped:	Other Means
Source:	Unknown
Cause:	Unknown
Lead Agency:	Local Agency
Case Type:	Other ground water affected
Date Found:	06/28/1991
Date Stopped:	06/28/1991
Confirm Date:	02/08/1991
Submit Workplan:	Not reported
Prelim Assess:	06/28/1991
Desc Pollution:	Not reported
Remed Plan:	/ /
Remed Action:	Not reported
Began Monitor:	Not reported
Release Date:	06/28/1991
Enforce Date:	Not reported
Closed Date:	1/31/96
Enforce Type:	Not reported
Pilot Program:	LOP
Basin Number:	904.52
GW Depth:	11'
Beneficial Use:	Municipal groundwater use
NPDES Number:	Not reported
Priority:	2B
File Dispn:	File discarded, case closed
Interim Remedial Actions:	No
Cleanup and Abatement order Number:	Not reported
Waste Discharge Requirement Number:	Not reported

HMMD SAN DIEGO:

Name:	PACIFIC PRIDE, SKS, SAN MARCOS
Address:	875 W GRAND AV
City,State,Zip:	SAN MARCOS, CA 92078
Permit Number:	120785
Business Type:	6HK28
EPA Id Number:	CAL000249493
APN:	219-180-47-00
Last HMMD Inspection:	01/31/2012
Facility Telephone:	800-760-4757
Permit Status:	OPEN
Permit Expiration:	11/30/2012
Date Last Updated:	11/02/2012
Facility Owner:	SKS. INC
Facility Mailing Address:	P O BOX 469110
Facility Mailing City:	ESCONDIDO
Facility Mailing State:	CA
Facility Mailing Zip:	92046-9110
UST Owner:	SKS PACIFIC PRIDE
Handle Regulated Hazmat:	Y
Own Or Operate UST:	Y
Subject To APSA:	Not reported
Generate Haz Waste:	Not reported
Treat Haz Waste:	Not reported

SKS, SAN MARCOS (Continued) **S100274033**

Generate Medical Waste: Not reported

Inventory Active Permits (not SQG Medical):

Permit Number: 120785
Update Date: 11/02/2012
Case Number: 8002-43-2
Name: DIESEL
Other Information: UNDERGROUND TANK 120785 T003
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: Not reported

Permit Number: 120785
Update Date: 11/02/2012
Case Number: Not reported
Name: DIESEL
Other Information: UNDERGROUND TANK 120785 T004 RED DYE
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: Not reported

Permit Number: 120785
Update Date: 11/02/2012
Case Number: 8002-43-2
Name: REGULAR UNLEADED
Other Information: UNDERGROUND TANK 120785 T001
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: Not reported

Permit Number: 120785
Update Date: 11/02/2012
Case Number: 8002-43-2
Name: SUPER UNLEADED
Other Information: UNDERGROUND TANK 120785 T002
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: Not reported

Permit Number: 120785
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 352 ORGANIC SOLIDS (OTHER)
Other Information: FUEL CONTAMINATED ABSOSRBENT
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Violations Active Permits:

Permit Number: 120785
Update Date: 11/02/2012
Inspection Date: 01/30/2003
Violation Code: 6HV3103
Violation: NO UST PLAN CHECK PERMIT OBTAINED
Violation Citation: UST repair/modify/closure permit not obtained .68.1004, 68.1005, 68.1009.5
Activity: ACTIVE

SKS, SAN MARCOS (Continued) **S100274033**

Permit Number: 120785
Update Date: 11/02/2012
Inspection Date: 01/27/2009
Violation Code: 6HV3252
Violation: AUDIO&VISUAL ALARMS NOT WORKING OK
Violation Citation: All audible and/or visual alarms not functioning properly. 2632(c)(2)(B), 2636(f)(1)
Activity: ACTIVE

Permit Number: 120785
Update Date: 11/02/2012
Inspection Date: 01/27/2009
Violation Code: 6HV3252
Violation: AUDIO&VISUAL ALARMS NOT WORKING OK
Violation Citation: All audible and/or visual alarms not functioning properly. 2632(c)(2)(B), 2636(f)(1)
Activity: ACTIVE

Permit Number: 120785
Update Date: 11/02/2012
Inspection Date: 01/27/2009
Violation Code: 6HV3252
Violation: AUDIO&VISUAL ALARMS NOT WORKING OK
Violation Citation: All audible and/or visual alarms not functioning properly. 2632(c)(2)(B), 2636(f)(1)
Activity: ACTIVE

Permit Number: 120785
Update Date: 11/02/2012
Inspection Date: 01/27/2009
Violation Code: 6HV3252
Violation: AUDIO&VISUAL ALARMS NOT WORKING OK
Violation Citation: All audible and/or visual alarms not functioning properly. 2632(c)(2)(B), 2636(f)(1)
Activity: ACTIVE

Permit Number: 120785
Update Date: 11/02/2012
Inspection Date: 01/27/2009
Violation Code: 6HV3263
Violation: MONITOR SYSTEM NOT ALL FUNCTIONAL
Violation Citation: Monitoring system components &/or devices are not all functional. 2630, 2641(j), 2632
Activity: ACTIVE

Permit Number: 120785
Update Date: 11/02/2012
Inspection Date: 01/03/2008
Violation Code: 6HV3263
Violation: MONITOR SYSTEM NOT ALL FUNCTIONAL
Violation Citation: Monitoring system components &/or devices are not all functional. 2630, 2641(j), 2632
Activity: ACTIVE

Permit Number: 120785
Update Date: 11/02/2012
Inspection Date: 01/03/2008

SKS, SAN MARCOS (Continued) **S100274033**

Violation Code: 6HV3255
Violation: SPILL CONTAIN. NOT DRY/IN GOOD CONDITION
Violation Citation: Spill container is not in good condition and/or liquid free. 2635(b)(1), 2636(a)(1)
Activity: ACTIVE

Permit Number: 120785
Update Date: 11/02/2012
Inspection Date: 01/09/2007
Violation Code: 6HV3164
Violation: MONITOR EQUIP NOT PER MANUF. SPECS
Violation Citation: All monitoring equipment not installed, calibrated, operated, and/or maintained per manufacturer instructions. 2638(a), 2641(j)
Activity: ACTIVE

Permit Number: 120785
Update Date: 11/02/2012
Inspection Date: 01/09/2007
Violation Code: 6HV3263
Violation: MONITOR SYSTEM NOT ALL FUNCTIONAL
Violation Citation: Monitoring system components &/or devices are not all functional. 2630, 2641(j), 2632
Activity: ACTIVE

Permit Number: 120785
Update Date: 11/02/2012
Inspection Date: 01/07/2011
Violation Code: 6HV0225
Violation: ACCUMULATED HW>180 OR >270 DAYS
Violation Citation: Accumulated waste too long (>180 or 270 days). 66262.34(d), CFR 262.34(e)&(f), &/or 25201(a) [>90 days for AHW waste]
Activity: ACTIVE

Permit Number: 120785
Update Date: 11/02/2012
Inspection Date: 01/31/2012
Violation Code: 6HV3551
Violation: LINE LEAK DETECTOR NOT CERTIFIED YEARLY
Violation Citation: SINGLE WALLED PRESSURIZED PIPING: Line leak detector not certified annually. 25284.1(a)(4)(C); 2641(j)
Activity: ACTIVE

Permit Number: 120785
Update Date: 11/02/2012
Inspection Date: 01/20/2005
Violation Code: 6HV3114
Violation: 2NDRY CONT TEST NOT DONE/SENT TO CUPA
Violation Citation: Secondary containment testing not done at 6/36 months and/or not sent to CUPA within 30 days. 25284.1; 2637(a)&(e)
Activity: ACTIVE

Permit Number: 120785
Update Date: 11/02/2012
Inspection Date: 01/20/2005
Violation Code: 6HV3264
Violation: SPILL CONT. NOT TESTED ANNUALLY
Violation Citation: Spill containment at fill point not tested annually. 25284.2

SKS, SAN MARCOS (Continued) **S100274033**

Activity: ACTIVE

Permit Number: 120785
Update Date: 11/02/2012
Inspection Date: 01/20/2005
Violation Code: 6HV3264
Violation: SPILL CONT. NOT TESTED ANNUALLY
Violation Citation: Spill containment at fill point not tested annually. 25284.2
Activity: ACTIVE

Permit Number: 120785
Update Date: 11/02/2012
Inspection Date: 01/20/2005
Violation Code: 6HV3264
Violation: SPILL CONT. NOT TESTED ANNUALLY
Violation Citation: Spill containment at fill point not tested annually. 25284.2
Activity: ACTIVE

Permit Number: 120785
Update Date: 11/02/2012
Inspection Date: 01/20/2005
Violation Code: 6HV3264
Violation: SPILL CONT. NOT TESTED ANNUALLY
Violation Citation: Spill containment at fill point not tested annually. 25284.2
Activity: ACTIVE

Permit Number: 120785
Update Date: 11/02/2012
Inspection Date: 01/20/2006
Violation Code: 6HV3411
Violation: LLD NOT INSTALLED/NOT FUNCTIONAL
Violation Citation: DOUBLE WALLED PRESSURIZED PIPING-Including Under Dispenser Containment (UDC):Line leak detector is not installed, not functional, or not tested. 2636(f)(2), 25284.1(a)(4)(C), 2641(j)
Activity: ACTIVE

UST:
UST Name: UNDERGROUND TANK 120785 T001
Last Update: 2012-11-02 14:17:38
Permit Number: 120785
Tank Type: SINGLE WALL
Additional Id: RT2196/RT1770, RT4275
Capacity Gallons: 12000
UST Contents: DIESEL
Other Content Info: CLEAR DIESEL
Reg Status: ACTIVE
Remove Close Date: Not reported
Year Installed: 1981-01-01 00:00:00
Pipe Type: DOUBLE WALL
Delivery System: PRESSURE
Monitor Code: 14
UST Monitor Method: SW TANK DW PRESSURE PIPE W/ RESTRICTIVE LLD + CERT ATG: IN-TANK TEST MONTHLY, PIPE TEST ANN 0.1 GAL/HR OR MO 0.2 GAL/HR

UST Name: UNDERGROUND TANK 120785 T002
Last Update: 2012-11-02 14:17:38
Permit Number: 120785

SKS, SAN MARCOS (Continued) **S100274033**

Tank Type:	SINGLE WALL
Additional Id:	RT2196/RT1770, RT4275
Capacity Gallons:	12000
UST Contents:	PREMIUM UNLEADED
Other Content Info:	PREMIUM UNLEADED
Reg Status:	ACTIVE
Remove Close Date:	Not reported
Year Installed:	1981-01-01 00:00:00
Pipe Type:	DOUBLE WALL
Delivery System:	PRESSURE
Monitor Code:	14
UST Monitor Method:	SW TANK DW PRESSURE PIPE W/ RESTRICTIVE LLD + CERT ATG: IN-TANK TEST MONTHLY, PIPE TEST ANN 0.1 GAL/HR OR MO 0.2 GAL/HR

UST Name:	UNDERGROUND TANK 120785 T003
Last Update:	2012-11-02 14:17:38
Permit Number:	120785
Tank Type:	SINGLE WALL
Additional Id:	RT2196/RT1770, RT4275
Capacity Gallons:	12000
UST Contents:	REGULAR UNLEADED
Other Content Info:	REGULAR UNLEADED
Reg Status:	ACTIVE
Remove Close Date:	Not reported
Year Installed:	1981-01-01 00:00:00
Pipe Type:	DOUBLE WALL
Delivery System:	PRESSURE
Monitor Code:	14
UST Monitor Method:	SW TANK DW PRESSURE PIPE W/ RESTRICTIVE LLD + CERT ATG: IN-TANK TEST MONTHLY, PIPE TEST ANN 0.1 GAL/HR OR MO 0.2 GAL/HR

UST Name:	UNDERGROUND TANK 120785 T004
Last Update:	2012-11-02 14:17:38
Permit Number:	120785
Tank Type:	SINGLE WALL
Additional Id:	4 RT2196/RT1770, RT4275
Capacity Gallons:	12000
UST Contents:	DIESEL
Other Content Info:	DIESEL
Reg Status:	ACTIVE
Remove Close Date:	Not reported
Year Installed:	1981-01-01 00:00:00
Pipe Type:	DOUBLE WALL
Delivery System:	PRESSURE
Monitor Code:	14
UST Monitor Method:	SW TANK DW PRESSURE PIPE W/ RESTRICTIVE LLD + CERT ATG: IN-TANK TEST MONTHLY, PIPE TEST ANN 0.1 GAL/HR OR MO 0.2 GAL/HR

Name:	PACIFIC PRIDE, SKS, SAN MARCOS
Address:	875 W GRAND AV
City,State,Zip:	SAN MARCOS, CA 92078
Permit Number:	120785
Business Type:	6HK28
EPA Id Number:	CAL000249493
APN:	219-180-47-00
Last HMMD Inspection:	01/31/2012

SKS, SAN MARCOS (Continued) **S100274033**

Facility Telephone:	800-760-4757
Permit Status:	OPEN
Permit Expiration:	11/30/2012
Date Last Updated:	11/02/2012
Facility Owner:	SKS. INC
Facility Mailing Address:	P O BOX 469110
Facility Mailing City:	ESCONDIDO
Facility Mailing State:	CA
Facility Mailing Zip:	92046-9110
UST Owner:	SKS PACIFIC PRIDE
Handle Regulated Hazmat:	Y
Own Or Operate UST:	Y
Subject To APSA:	Not reported
Generate Haz Waste:	Not reported
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

Inventory Active Permits (not SQG Medical):

Permit Number:	120785
Update Date:	11/02/2012
Case Number:	8002-43-2
Name:	DIESEL
Other Information:	UNDERGROUND TANK 120785 T003
Material Waste:	Material
Hazardous Categories 1:	FIRE
Hazardous Categories 2:	Not reported

Permit Number:	120785
Update Date:	11/02/2012
Case Number:	Not reported
Name:	DIESEL
Other Information:	UNDERGROUND TANK 120785 T004 RED DYE
Material Waste:	Material
Hazardous Categories 1:	FIRE
Hazardous Categories 2:	Not reported

Permit Number:	120785
Update Date:	11/02/2012
Case Number:	8002-43-2
Name:	REGULAR UNLEADED
Other Information:	UNDERGROUND TANK 120785 T001
Material Waste:	Material
Hazardous Categories 1:	FIRE
Hazardous Categories 2:	Not reported

Permit Number:	120785
Update Date:	11/02/2012
Case Number:	8002-43-2
Name:	SUPER UNLEADED
Other Information:	UNDERGROUND TANK 120785 T002
Material Waste:	Material
Hazardous Categories 1:	FIRE
Hazardous Categories 2:	Not reported

Permit Number:	120785
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 352 ORGANIC SOLIDS (OTHER)

SKS, SAN MARCOS (Continued) **S100274033**

Other Information:	FUEL CONTAMINATED ABSOSRBENT
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Violations Active Permits:

Permit Number:	120785
Update Date:	11/02/2012
Inspection Date:	01/30/2003
Violation Code:	6HV3103
Violation:	NO UST PLAN CHECK PERMIT OBTAINED
Violation Citation:	UST repair/modify/closure permit not obtained .68.1004, 68.1005, 68.1009.5
Activity:	ACTIVE

Permit Number:	120785
Update Date:	11/02/2012
Inspection Date:	01/27/2009
Violation Code:	6HV3252
Violation:	AUDIO&VISUAL ALARMS NOT WORKING OK
Violation Citation:	All audible and/or visual alarms not functioning properly. 2632(c)(2)(B), 2636(f)(1)
Activity:	ACTIVE

Permit Number:	120785
Update Date:	11/02/2012
Inspection Date:	01/27/2009
Violation Code:	6HV3252
Violation:	AUDIO&VISUAL ALARMS NOT WORKING OK
Violation Citation:	All audible and/or visual alarms not functioning properly. 2632(c)(2)(B), 2636(f)(1)
Activity:	ACTIVE

Permit Number:	120785
Update Date:	11/02/2012
Inspection Date:	01/27/2009
Violation Code:	6HV3252
Violation:	AUDIO&VISUAL ALARMS NOT WORKING OK
Violation Citation:	All audible and/or visual alarms not functioning properly. 2632(c)(2)(B), 2636(f)(1)
Activity:	ACTIVE

Permit Number:	120785
Update Date:	11/02/2012
Inspection Date:	01/27/2009
Violation Code:	6HV3252
Violation:	AUDIO&VISUAL ALARMS NOT WORKING OK
Violation Citation:	All audible and/or visual alarms not functioning properly. 2632(c)(2)(B), 2636(f)(1)
Activity:	ACTIVE

Permit Number:	120785
Update Date:	11/02/2012
Inspection Date:	01/27/2009
Violation Code:	6HV3263
Violation:	MONITOR SYSTEM NOT ALL FUNCTIONAL
Violation Citation:	Monitoring system components &/or devices are not all functional.

SKS, SAN MARCOS (Continued) **S100274033**

2630, 2641(j), 2632
Activity: ACTIVE

Permit Number: 120785
Update Date: 11/02/2012
Inspection Date: 01/03/2008
Violation Code: 6HV3263
Violation: MONITOR SYSTEM NOT ALL FUNCTIONAL
Violation Citation: Monitoring system components &/or devices are not all functional. 2630, 2641(j), 2632
Activity: ACTIVE

Permit Number: 120785
Update Date: 11/02/2012
Inspection Date: 01/03/2008
Violation Code: 6HV3255
Violation: SPILL CONTAIN. NOT DRY/IN GOOD CONDITION
Violation Citation: Spill container is not in good condition and/or liquid free. 2635(b)(1), 2636(a)(1)
Activity: ACTIVE

Permit Number: 120785
Update Date: 11/02/2012
Inspection Date: 01/09/2007
Violation Code: 6HV3164
Violation: MONITOR EQUIP NOT PER MANUF. SPECS
Violation Citation: All monitoring equipment not installed, calibrated, operated, and/or maintained per manufacturer instructions. 2638(a), 2641(j)
Activity: ACTIVE

Permit Number: 120785
Update Date: 11/02/2012
Inspection Date: 01/09/2007
Violation Code: 6HV3263
Violation: MONITOR SYSTEM NOT ALL FUNCTIONAL
Violation Citation: Monitoring system components &/or devices are not all functional. 2630, 2641(j), 2632
Activity: ACTIVE

Permit Number: 120785
Update Date: 11/02/2012
Inspection Date: 01/07/2011
Violation Code: 6HV0225
Violation: ACCUMULATED HW>180 OR >270 DAYS
Violation Citation: Accumulated waste too long (>180 or 270 days). 66262.34(d), CFR 262.34(e)&(f), &/or 25201(a) [>90 days for AHW waste]
Activity: ACTIVE

Permit Number: 120785
Update Date: 11/02/2012
Inspection Date: 01/31/2012
Violation Code: 6HV3551
Violation: LINE LEAK DETECTOR NOT CERTIFIED YEARLY
Violation Citation: SINGLE WALLED PRESSURIZED PIPING: Line leak detector not certified annually. 25284.1(a)(4)(C); 2641(j)
Activity: ACTIVE

SKS, SAN MARCOS (Continued) **S100274033**

Permit Number: 120785
Update Date: 11/02/2012
Inspection Date: 01/20/2005
Violation Code: 6HV3114
Violation: 2NDRY CONT TEST NOT DONE/SENT TO CUPA
Violation Citation: Secondary containment testing not done at 6/36 months and/or not sent to CUPA within 30 days. 25284.1; 2637(a)&(e)
Activity: ACTIVE

Permit Number: 120785
Update Date: 11/02/2012
Inspection Date: 01/20/2005
Violation Code: 6HV3264
Violation: SPILL CONT. NOT TESTED ANNUALLY
Violation Citation: Spill containment at fill point not tested annually. 25284.2
Activity: ACTIVE

Permit Number: 120785
Update Date: 11/02/2012
Inspection Date: 01/20/2005
Violation Code: 6HV3264
Violation: SPILL CONT. NOT TESTED ANNUALLY
Violation Citation: Spill containment at fill point not tested annually. 25284.2
Activity: ACTIVE

Permit Number: 120785
Update Date: 11/02/2012
Inspection Date: 01/20/2005
Violation Code: 6HV3264
Violation: SPILL CONT. NOT TESTED ANNUALLY
Violation Citation: Spill containment at fill point not tested annually. 25284.2
Activity: ACTIVE

Permit Number: 120785
Update Date: 11/02/2012
Inspection Date: 01/20/2005
Violation Code: 6HV3264
Violation: SPILL CONT. NOT TESTED ANNUALLY
Violation Citation: Spill containment at fill point not tested annually. 25284.2
Activity: ACTIVE

Permit Number: 120785
Update Date: 11/02/2012
Inspection Date: 01/20/2006
Violation Code: 6HV3411
Violation: LLD NOT INSTALLED/NOT FUNCTIONAL
Violation Citation: DOUBLE WALLED PRESSURIZED PIPING-Including Under Dispenser Containment (UDC):Line leak detector is not installed, not functional, or not tested. 2636(f)(2), 25284.1(a)(4)(C), 2641(j)
Activity: ACTIVE

UST:
UST Name: UNDERGROUND TANK 120785 T001
Last Update: 2012-11-02 14:17:38
Permit Number: 120785
Tank Type: SINGLE WALL
Additional Id: RT2196/RT1770, RT4275

SKS, SAN MARCOS (Continued) **S100274033**

Capacity Gallons:	12000
UST Contents:	DIESEL
Other Content Info:	CLEAR DIESEL
Reg Status:	ACTIVE
Remove Close Date:	Not reported
Year Installed:	1981-01-01 00:00:00
Pipe Type:	DOUBLE WALL
Delivery System:	PRESSURE
Monitor Code:	14
UST Monitor Method:	SW TANK DW PRESSURE PIPE W/ RESTRICTIVE LLD + CERT ATG: IN-TANK TEST MONTHLY, PIPE TEST ANN 0.1 GAL/HR OR MO 0.2 GAL/HR

UST Name:	UNDERGROUND TANK 120785 T002
Last Update:	2012-11-02 14:17:38
Permit Number:	120785
Tank Type:	SINGLE WALL
Additional Id:	RT2196/RT1770, RT4275
Capacity Gallons:	12000
UST Contents:	PREMIUM UNLEADED
Other Content Info:	PREMIUM UNLEADED
Reg Status:	ACTIVE
Remove Close Date:	Not reported
Year Installed:	1981-01-01 00:00:00
Pipe Type:	DOUBLE WALL
Delivery System:	PRESSURE
Monitor Code:	14
UST Monitor Method:	SW TANK DW PRESSURE PIPE W/ RESTRICTIVE LLD + CERT ATG: IN-TANK TEST MONTHLY, PIPE TEST ANN 0.1 GAL/HR OR MO 0.2 GAL/HR

UST Name:	UNDERGROUND TANK 120785 T003
Last Update:	2012-11-02 14:17:38
Permit Number:	120785
Tank Type:	SINGLE WALL
Additional Id:	RT2196/RT1770, RT4275
Capacity Gallons:	12000
UST Contents:	REGULAR UNLEADED
Other Content Info:	REGULAR UNLEADED
Reg Status:	ACTIVE
Remove Close Date:	Not reported
Year Installed:	1981-01-01 00:00:00
Pipe Type:	DOUBLE WALL
Delivery System:	PRESSURE
Monitor Code:	14
UST Monitor Method:	SW TANK DW PRESSURE PIPE W/ RESTRICTIVE LLD + CERT ATG: IN-TANK TEST MONTHLY, PIPE TEST ANN 0.1 GAL/HR OR MO 0.2 GAL/HR

UST Name:	UNDERGROUND TANK 120785 T004
Last Update:	2012-11-02 14:17:38
Permit Number:	120785
Tank Type:	SINGLE WALL
Additional Id:	4 RT2196/RT1770, RT4275
Capacity Gallons:	12000
UST Contents:	DIESEL
Other Content Info:	DIESEL
Reg Status:	ACTIVE
Remove Close Date:	Not reported
Year Installed:	1981-01-01 00:00:00

SKS, SAN MARCOS (Continued) **S100274033**

Pipe Type: DOUBLE WALL
Delivery System: PRESSURE
Monitor Code: 14
UST Monitor Method: SW TANK DW PRESSURE PIPE W/ RESTRICTIVE LLD + CERT ATG: IN-TANK TEST MONTHLY, PIPE TEST ANN 0.1 GAL/HR OR MO 0.2 GAL/HR

Name: PACIFIC PRIDE, SKS, SAN MARCOS
Address: 875 W GRAND AV
City,State,Zip: SAN MARCOS, CA 92078
Permit Number: 120785
Business Type: 6HK28
EPA Id Number: CAL000249493
APN: 219-180-47-00
Last HMMD Inspection: 01/31/2012
Facility Telephone: 800-760-4757
Permit Status: OPEN
Permit Expiration: 11/30/2012
Date Last Updated: 11/02/2012
Facility Owner: SKS. INC
Facility Mailing Address: P O BOX 469110
Facility Mailing City: ESCONDIDO
Facility Mailing State: CA
Facility Mailing Zip: 92046-9110
UST Owner: SKS PACIFIC PRIDE
Handle Regulated Hazmat: Y
Own Or Operate UST: Y
Subject To APSA: Not reported
Generate Haz Waste: Y
Treat Haz Waste: Not reported
Generate Medical Waste: Not reported

Inventory Active Permits (not SQG Medical):
Permit Number: 120785
Update Date: 11/02/2012
Case Number: 8002-43-2
Name: DIESEL
Other Information: UNDERGROUND TANK 120785 T003
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: Not reported

Permit Number: 120785
Update Date: 11/02/2012
Case Number: Not reported
Name: DIESEL
Other Information: UNDERGROUND TANK 120785 T004 RED DYE
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: Not reported

Permit Number: 120785
Update Date: 11/02/2012
Case Number: 8002-43-2
Name: REGULAR UNLEADED
Other Information: UNDERGROUND TANK 120785 T001
Material Waste: Material
Hazardous Categories 1: FIRE

SKS, SAN MARCOS (Continued) **S100274033**

Hazardous Categories 2: Not reported

Permit Number: 120785
Update Date: 11/02/2012
Case Number: 8002-43-2
Name: SUPER UNLEADED
Other Information: UNDERGROUND TANK 120785 T002
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: Not reported

Permit Number: 120785
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 352 ORGANIC SOLIDS (OTHER)
Other Information: FUEL CONTAMINATED ABSOSRBENT
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Violations Active Permits:

Permit Number: 120785
Update Date: 11/02/2012
Inspection Date: 01/30/2003
Violation Code: 6HV3103
Violation: NO UST PLAN CHECK PERMIT OBTAINED
Violation Citation: UST repair/modify/closure permit not obtained .68.1004, 68.1005, 68.1009.5
Activity: ACTIVE

Permit Number: 120785
Update Date: 11/02/2012
Inspection Date: 01/27/2009
Violation Code: 6HV3252
Violation: AUDIO&VISUAL ALARMS NOT WORKING OK
Violation Citation: All audible and/or visual alarms not functioning properly. 2632(c)(2)(B), 2636(f)(1)
Activity: ACTIVE

Permit Number: 120785
Update Date: 11/02/2012
Inspection Date: 01/27/2009
Violation Code: 6HV3252
Violation: AUDIO&VISUAL ALARMS NOT WORKING OK
Violation Citation: All audible and/or visual alarms not functioning properly. 2632(c)(2)(B), 2636(f)(1)
Activity: ACTIVE

Permit Number: 120785
Update Date: 11/02/2012
Inspection Date: 01/27/2009
Violation Code: 6HV3252
Violation: AUDIO&VISUAL ALARMS NOT WORKING OK
Violation Citation: All audible and/or visual alarms not functioning properly. 2632(c)(2)(B), 2636(f)(1)
Activity: ACTIVE

SKS, SAN MARCOS (Continued) **S100274033**

Permit Number:	120785
Update Date:	11/02/2012
Inspection Date:	01/27/2009
Violation Code:	6HV3252
Violation:	AUDIO&VISUAL ALARMS NOT WORKING OK
Violation Citation:	All audible and/or visual alarms not functioning properly. 2632(c)(2)(B), 2636(f)(1)
Activity:	ACTIVE
Permit Number:	120785
Update Date:	11/02/2012
Inspection Date:	01/27/2009
Violation Code:	6HV3263
Violation:	MONITOR SYSTEM NOT ALL FUNCTIONAL
Violation Citation:	Monitoring system components &/or devices are not all functional. 2630, 2641(j), 2632
Activity:	ACTIVE
Permit Number:	120785
Update Date:	11/02/2012
Inspection Date:	01/03/2008
Violation Code:	6HV3263
Violation:	MONITOR SYSTEM NOT ALL FUNCTIONAL
Violation Citation:	Monitoring system components &/or devices are not all functional. 2630, 2641(j), 2632
Activity:	ACTIVE
Permit Number:	120785
Update Date:	11/02/2012
Inspection Date:	01/03/2008
Violation Code:	6HV3255
Violation:	SPILL CONTAIN. NOT DRY/IN GOOD CONDITION
Violation Citation:	Spill container is not in good condition and/or liquid free. 2635(b)(1), 2636(a)(1)
Activity:	ACTIVE
Permit Number:	120785
Update Date:	11/02/2012
Inspection Date:	01/09/2007
Violation Code:	6HV3164
Violation:	MONITOR EQUIP NOT PER MANUF. SPECS
Violation Citation:	All monitoring equipment not installed, calibrated, operated, and/or maintained per manufacturer instructions. 2638(a), 2641(j)
Activity:	ACTIVE
Permit Number:	120785
Update Date:	11/02/2012
Inspection Date:	01/09/2007
Violation Code:	6HV3263
Violation:	MONITOR SYSTEM NOT ALL FUNCTIONAL
Violation Citation:	Monitoring system components &/or devices are not all functional. 2630, 2641(j), 2632
Activity:	ACTIVE
Permit Number:	120785
Update Date:	11/02/2012
Inspection Date:	01/07/2011

SKS, SAN MARCOS (Continued) **S100274033**

Violation Code: 6HV0225
Violation: ACCUMULATED HW>180 OR >270 DAYS
Violation Citation: Accumulated waste too long (>180 or 270 days). 66262.34(d), CFR 262.34(e)&(f), &/or 25201(a) [>90 days for AHW waste]
Activity: ACTIVE

Permit Number: 120785
Update Date: 11/02/2012
Inspection Date: 01/31/2012
Violation Code: 6HV3551
Violation: LINE LEAK DETECTOR NOT CERTIFIED YEARLY
Violation Citation: SINGLE WALLED PRESSURIZED PIPING: Line leak detector not certified annually. 25284.1(a)(4)(C); 2641(j)
Activity: ACTIVE

Permit Number: 120785
Update Date: 11/02/2012
Inspection Date: 01/20/2005
Violation Code: 6HV3114
Violation: 2NDRY CONT TEST NOT DONE/SENT TO CUPA
Violation Citation: Secondary containment testing not done at 6/36 months and/or not sent to CUPA within 30 days. 25284.1; 2637(a)&(e)
Activity: ACTIVE

Permit Number: 120785
Update Date: 11/02/2012
Inspection Date: 01/20/2005
Violation Code: 6HV3264
Violation: SPILL CONT. NOT TESTED ANNUALLY
Violation Citation: Spill containment at fill point not tested annually. 25284.2
Activity: ACTIVE

Permit Number: 120785
Update Date: 11/02/2012
Inspection Date: 01/20/2005
Violation Code: 6HV3264
Violation: SPILL CONT. NOT TESTED ANNUALLY
Violation Citation: Spill containment at fill point not tested annually. 25284.2
Activity: ACTIVE

Permit Number: 120785
Update Date: 11/02/2012
Inspection Date: 01/20/2005
Violation Code: 6HV3264
Violation: SPILL CONT. NOT TESTED ANNUALLY
Violation Citation: Spill containment at fill point not tested annually. 25284.2
Activity: ACTIVE

Permit Number: 120785
Update Date: 11/02/2012
Inspection Date: 01/20/2005
Violation Code: 6HV3264
Violation: SPILL CONT. NOT TESTED ANNUALLY
Violation Citation: Spill containment at fill point not tested annually. 25284.2
Activity: ACTIVE

Permit Number: 120785

SKS, SAN MARCOS (Continued) **S100274033**

Update Date:	11/02/2012
Inspection Date:	01/20/2006
Violation Code:	6HV3411
Violation:	LLD NOT INSTALLED/NOT FUNCTIONAL
Violation Citation:	DOUBLE WALLED PRESSURIZED PIPING-Including Under Dispenser Containment (UDC):Line leak detector is not installed, not functional, or not tested. 2636(f)(2), 25284.1(a)(4)(C), 2641(j)
Activity:	ACTIVE

UST:

UST Name:	UNDERGROUND TANK 120785 T001
Last Update:	2012-11-02 14:17:38
Permit Number:	120785
Tank Type:	SINGLE WALL
Additional Id:	RT2196/RT1770, RT4275
Capacity Gallons:	12000
UST Contents:	DIESEL
Other Content Info:	CLEAR DIESEL
Reg Status:	ACTIVE
Remove Close Date:	Not reported
Year Installed:	1981-01-01 00:00:00
Pipe Type:	DOUBLE WALL
Delivery System:	PRESSURE
Monitor Code:	14
UST Monitor Method:	SW TANK DW PRESSURE PIPE W/ RESTRICTIVE LLD + CERT ATG: IN-TANK TEST MONTHLY, PIPE TEST ANN 0.1 GAL/HR OR MO 0.2 GAL/HR

UST Name:	UNDERGROUND TANK 120785 T002
Last Update:	2012-11-02 14:17:38
Permit Number:	120785
Tank Type:	SINGLE WALL
Additional Id:	RT2196/RT1770, RT4275
Capacity Gallons:	12000
UST Contents:	PREMIUM UNLEADED
Other Content Info:	PREMIUM UNLEADED
Reg Status:	ACTIVE
Remove Close Date:	Not reported
Year Installed:	1981-01-01 00:00:00
Pipe Type:	DOUBLE WALL
Delivery System:	PRESSURE
Monitor Code:	14
UST Monitor Method:	SW TANK DW PRESSURE PIPE W/ RESTRICTIVE LLD + CERT ATG: IN-TANK TEST MONTHLY, PIPE TEST ANN 0.1 GAL/HR OR MO 0.2 GAL/HR

UST Name:	UNDERGROUND TANK 120785 T003
Last Update:	2012-11-02 14:17:38
Permit Number:	120785
Tank Type:	SINGLE WALL
Additional Id:	RT2196/RT1770, RT4275
Capacity Gallons:	12000
UST Contents:	REGULAR UNLEADED
Other Content Info:	REGULAR UNLEADED
Reg Status:	ACTIVE
Remove Close Date:	Not reported
Year Installed:	1981-01-01 00:00:00
Pipe Type:	DOUBLE WALL
Delivery System:	PRESSURE

SKS, SAN MARCOS (Continued) **S100274033**

Monitor Code: 14
UST Monitor Method: SW TANK DW PRESSURE PIPE W/ RESTRICTIVE LLD + CERT ATG: IN-TANK TEST MONTHLY, PIPE TEST ANN 0.1 GAL/HR OR MO 0.2 GAL/HR

UST Name: UNDERGROUND TANK 120785 T004
Last Update: 2012-11-02 14:17:38
Permit Number: 120785
Tank Type: SINGLE WALL
Additional Id: 4 RT2196/RT1770, RT4275
Capacity Gallons: 12000
UST Contents: DIESEL
Other Content Info: DIESEL
Reg Status: ACTIVE
Remove Close Date: Not reported
Year Installed: 1981-01-01 00:00:00
Pipe Type: DOUBLE WALL
Delivery System: PRESSURE
Monitor Code: 14
UST Monitor Method: SW TANK DW PRESSURE PIPE W/ RESTRICTIVE LLD + CERT ATG: IN-TANK TEST MONTHLY, PIPE TEST ANN 0.1 GAL/HR OR MO 0.2 GAL/HR

HIST UST:
Name: BRACKMAN FUEL CENTER -SKS
Address: 875 W GRAND
City,State,Zip: SAN MARCOS, CA 92069
File Number: 0002B18C
URL: http://geotracker.waterboards.ca.gov/ustpdfs/pdf/0002B18C.pdf
Region: Not reported
Facility ID: Not reported
Facility Type: Not reported
Other Type: Not reported
Contact Name: Not reported
Telephone: Not reported
Owner Name: Not reported
Owner Address: Not reported
Owner City,St,Zip: Not reported
Total Tanks: Not reported

Tank Num: Not reported
Container Num: Not reported
Year Installed: Not reported
Tank Capacity: Not reported
Tank Used for: Not reported
Type of Fuel: Not reported
Container Construction Thickness: Not reported
Leak Detection: Not reported

Click here for Geo Tracker PDF:

CORTESE:
Name: SKS, SAN MARCOS
Address: 875 W GRAND AV
City,State,Zip: SAN MARCOS, CA 920694224
Region: CORTESE
Envirostor Id: Not reported

SKS, SAN MARCOS (Continued) **S100274033**

Global ID: T06019794315
Site/Facility Type: LUST CLEANUP SITE
Cleanup Status: COMPLETED - CASE CLOSED
Status Date: Not reported
Site Code: Not reported
Latitude: Not reported
Longitude: Not reported
Owner: Not reported
Enf Type: Not reported
Swat R: Not reported
Flag: active
Order No: Not reported
Waste Discharge System No: Not reported
Effective Date: Not reported
Region 2: Not reported
WID Id: Not reported
Solid Waste Id No: Not reported
Waste Management Uit Name: Not reported
File Name: Active Open

Name: PACIFIC PRIDE
Address: 875 GRAND AVE.
City,State,Zip: SAN MARCOS, CA 92078
Region: CORTESE
Envirostor Id: Not reported
Global ID: T10000009279
Site/Facility Type: LUST CLEANUP SITE
Cleanup Status: COMPLETED - CASE CLOSED
Status Date: Not reported
Site Code: Not reported
Latitude: Not reported
Longitude: Not reported
Owner: Not reported
Enf Type: Not reported
Swat R: Not reported
Flag: active
Order No: Not reported
Waste Discharge System No: Not reported
Effective Date: Not reported
Region 2: Not reported
WID Id: Not reported
Solid Waste Id No: Not reported
Waste Management Uit Name: Not reported
File Name: Active Open

Name: PACIFIC PRIDE, SKS, SAN MARCOS
Address: 875 W GRAND AV
City,State,Zip: SAN MARCOS, CA 920694224
Region: CORTESE
Envirostor Id: Not reported
Global ID: T0607300829
Site/Facility Type: LUST CLEANUP SITE
Cleanup Status: COMPLETED - CASE CLOSED
Status Date: Not reported
Site Code: Not reported
Latitude: Not reported
Longitude: Not reported

SKS, SAN MARCOS (Continued) **S100274033**

Owner:	Not reported
Enf Type:	Not reported
Swat R:	Not reported
Flag:	active
Order No:	Not reported
Waste Discharge System No:	Not reported
Effective Date:	Not reported
Region 2:	Not reported
WID Id:	Not reported
Solid Waste Id No:	Not reported
Waste Management Uit Name:	Not reported
File Name:	Active Open

EMI:

Name:	PACIFIC PRIDE
Address:	875 GRAND AV
City,State,Zip:	SAN MARCOS, CA 92069
Year:	2000
County Code:	37
Air Basin:	SD
Facility ID:	5561
Air District Name:	SD
SIC Code:	5541
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Name:	PACIFIC PRIDE
Address:	875 GRAND AV
City,State,Zip:	SAN MARCOS, CA 92069
Year:	2001
County Code:	37
Air Basin:	SD
Facility ID:	5561
Air District Name:	SD
SIC Code:	5541
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	1
Reactive Organic Gases Tons/Yr:	1
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Name:	PACIFIC PRIDE
Address:	875 GRAND AV
City,State,Zip:	SAN MARCOS, CA 92069

SKS, SAN MARCOS (Continued) **S100274033**

Year:	2002
County Code:	37
Air Basin:	SD
Facility ID:	5561
Air District Name:	SD
SIC Code:	5541
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Name:	PACIFIC PRIDE
Address:	875 GRAND AV
City,State,Zip:	SAN MARCOS, CA 92069
Year:	2003
County Code:	37
Air Basin:	SD
Facility ID:	5561
Air District Name:	SD
SIC Code:	5541
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Name:	PACIFIC PRIDE
Address:	875 GRAND AV
City,State,Zip:	SAN MARCOS, CA 92069
Year:	2004
County Code:	37
Air Basin:	SD
Facility ID:	5561
Air District Name:	SD
SIC Code:	5541
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0.4963252
Reactive Organic Gases Tons/Yr:	0.4963252
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

SKS, SAN MARCOS (Continued) **S100274033**

Name:	PACIFIC PRIDE
Address:	875 GRAND AV
City,State,Zip:	SAN MARCOS, CA 92069
Year:	2005
County Code:	37
Air Basin:	SD
Facility ID:	5561
Air District Name:	SD
SIC Code:	5541
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	.4963252
Reactive Organic Gases Tons/Yr:	.4963252
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Name:	PACIFIC PRIDE
Address:	875 GRAND AV
City,State,Zip:	SAN MARCOS, CA 92069
Year:	2006
County Code:	37
Air Basin:	SD
Facility ID:	5561
Air District Name:	SD
SIC Code:	5541
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	.31
Reactive Organic Gases Tons/Yr:	.31
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Name:	PACIFIC PRIDE
Address:	875 GRAND AV
City,State,Zip:	SAN MARCOS, CA 92069
Year:	2007
County Code:	37
Air Basin:	SD
Facility ID:	5561
Air District Name:	SD
SIC Code:	5541
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	.31
Reactive Organic Gases Tons/Yr:	.31
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0

SKS, SAN MARCOS (Continued) **S100274033**

Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smllr Tons/Yr: 0

Name: PACIFIC PRIDE
Address: 875 GRAND AV
City,State,Zip: SAN MARCOS, CA 92069
Year: 2008
County Code: 37
Air Basin: SD
Facility ID: 5561
Air District Name: SD
SIC Code: 5541
Air District Name: SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: .31
Reactive Organic Gases Tons/Yr: .31
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smllr Tons/Yr: 0

Name: PACIFIC PRIDE
Address: 875 GRAND AV
City,State,Zip: SAN MARCOS, CA 92069
Year: 2009
County Code: 37
Air Basin: SD
Facility ID: 5561
Air District Name: SD
SIC Code: 5541
Air District Name: SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 0.31
Reactive Organic Gases Tons/Yr: 0.31
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smllr Tons/Yr: 0

Name: PACIFIC PRIDE
Address: 875 GRAND AV
City,State,Zip: SAN MARCOS, CA 92069
Year: 2010
County Code: 37
Air Basin: SD
Facility ID: 5561
Air District Name: SD
SIC Code: 5541
Air District Name: SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 0.31
Reactive Organic Gases Tons/Yr: 0.31

SKS, SAN MARCOS (Continued) **S100274033**

Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smllr Tons/Yr: 0

HIST CORTESE:
edr_fname: SKS INC.
edr_fadd1: 875 GRAND
City,State,Zip: SAN MARCOS, CA 92069
Region: CORTESE
Facility County Code: 37
Reg By: LTNKA
Reg Id: 9UT2059

SAN DIEGO CO LOP:
Name: PACIFIC PRIDE
Address: 875 GRAND AVE
City,State,Zip: SAN MARCOS, CA 92078-1224
Record ID: DEH2016-LSAM-000392
Record Status: Completed
Opened Date: 08/23/2016
Parcel Number: 219-180-34-00
Case Type: LOP - Local Oversight Program
Historical Name: Not reported
SWRCB Global ID: Not reported
Funding: S - LOP State Fund
Lead Agency: RWQCB
Lead Agency Date: 08/07/2017
Census Tract: 200.29
Community: San Marcos
Jurisdiction: SAN MARCOS
Watershed Basin Number: 904.52
Water Purveyor: VALLECITOS WATER DISTRICT
Fire Agency: SAN MARCOS FIRE PROT DIST
Latitude: 33.1391820
Longitude: -117.1824052
X MapCoord: 6276259.779
Y MapCoord: 1995525.372

CERS:
Name: PACIFIC PRIDE
Address: 875 GRAND AVE.
City,State,Zip: SAN MARCOS, CA 92078
Site ID: 378176
CERS ID: T10000009279
CERS Description: Leaking Underground Storage Tank Cleanup Site

Affiliation:
Affiliation Type Desc: Regional Board Caseworker
Entity Name: CHARLES Q. CHENG - SAN DIEGO RWQCB (REGION 9)
Entity Title: Not reported
Affiliation Address: 2375 NORTHSIDE DRIVE, SUITE 100
Affiliation City: SAN DIEGO
Affiliation State: CA
Affiliation Country: Not reported

SKS, SAN MARCOS (Continued) **S100274033**

Affiliation Zip:	Not reported
Affiliation Phone:	6195213359,
Name:	PACIFIC PRIDE
Address:	875 GRAND AVE
City,State,Zip:	SAN MARCOS, CA 92078-1224
Site ID:	485649
CERS ID:	110021363479
CERS Description:	US EPA Air Emission Inventory System (EIS)
Name:	SKS, SAN MARCOS
Address:	875 W GRAND AV
City,State,Zip:	SAN MARCOS, CA 920694224
Site ID:	240326
CERS ID:	T06019794315
CERS Description:	Leaking Underground Storage Tank Cleanup Site

Affiliation:

Affiliation Type Desc:	Local Agency Caseworker
Entity Name:	KEITH KEZER - SAN DIEGO COUNTY LOP
Entity Title:	Not reported
Affiliation Address:	P.O. Box 129261
Affiliation City:	San Diego
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,
Name:	PACIFIC PRIDE, SKS, SAN MARCOS
Address:	875 W GRAND AV
City,State,Zip:	SAN MARCOS, CA 920694224
Site ID:	216205
CERS ID:	T0607300829
CERS Description:	Leaking Underground Storage Tank Cleanup Site

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N95 **PACIFIC HOMES** **RCRA NonGen / NLR** **1026716841**
ESE **145 S BENT AVE** **CAC003105333**
< 1/8 **SAN MARCOS, CA 92078**
0.106 mi.
562 ft. **Site 6 of 6 in cluster N**

Relative: **Higher**
Actual: **549 ft.**

RCRA Listings:

Date Form Received by Agency:		20210212
Handler Name:	PACIFIC HOMES	
Handler Address:		145 S BENT AVE
Handler City,State,Zip:		SAN MARCOS, CA 92078
EPA ID:		CAC003105333
Contact Name:		MACY MAROHNIC
Contact Address:		145 S BENT AVE
Contact City,State,Zip:		SAN MARCOS, CA 92078
Contact Telephone:		760-471-1212
Contact Fax:		Not reported
Contact Email:		SERVICE@PACIFICHOMES.NET
Contact Title:		Not reported
EPA Region:		09
Land Type:		Not reported

PACIFIC HOMES (Continued) **1026716841**

Federal Waste Generator Description:		Not a generator, verified
Non-Notifier:		Not reported
Biennial Report Cycle:		Not reported
Accessibility:		Not reported
Active Site Indicator:		Not reported
State District Owner:		Not reported
State District:		Not reported
Mailing Address:		145 S BENT AVE
Mailing City,State,Zip:		SAN MARCOS, CA 92078
Owner Name:	SEAN FEENEY	
Owner Type:		Other
Operator Name:	MACY MAROHNIC	
Operator Type:		Other
Short-Term Generator Activity:		No
Importer Activity:		No
Mixed Waste Generator:		No
Transporter Activity:		No
Transfer Facility Activity:		No
Recycler Activity with Storage:		No
Small Quantity On-Site Burner Exemption:		No
Smelting Melting and Refining Furnace Exemption:		No
Underground Injection Control:		No
Off-Site Waste Receipt:		No
Universal Waste Indicator:		No
Universal Waste Destination Facility:		No
Federal Universal Waste:		No
Active Site Fed-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site Converter Treatment storage and Disposal Facility:		Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site State-Reg Handler:		---
Federal Facility Indicator:		Not reported
Hazardous Secondary Material Indicator:		N
Sub-Part K Indicator:		Not reported
Commercial TSD Indicator:		No
Treatment Storage and Disposal Type:		Not reported
2018 GPRA Permit Baseline:		Not on the Baseline
2018 GPRA Renewals Baseline:		Not on the Baseline
Permit Renewals Workload Universe:		Not reported
Permit Workload Universe:		Not reported
Permit Progress Universe:		Not reported
Post-Closure Workload Universe:		Not reported
Closure Workload Universe:		Not reported
202 GPRA Corrective Action Baseline:		No
Corrective Action Workload Universe:		No
Subject to Corrective Action Universe:		No
Non-TSDFs Where RCRA CA has Been Imposed Universe:		No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:		No
TSDFs Only Subject to CA under Discretionary Auth Universe:		No
Corrective Action Priority Ranking:		No NCAPS ranking
Environmental Control Indicator:		No
Institutional Control Indicator:		No
Human Exposure Controls Indicator:		N/A
Groundwater Controls Indicator:		N/A
Operating TSDF Universe:		Not reported
Full Enforcement Universe:		Not reported
Significant Non-Complier Universe:		No
Unaddressed Significant Non-Complier Universe:		No

PACIFIC HOMES (Continued) **1026716841**

Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20210226
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name: SEAN FEENEY	
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	145 S BENT AVE
Owner/Operator City,State,Zip:	SAN MARCOS, CA 92078
Owner/Operator Telephone:	760-471-1212
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name: MACY MAROHNIC	
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	145 S BENT AVE
Owner/Operator City,State,Zip:	SAN MARCOS, CA 92078
Owner/Operator Telephone:	760-471-1212
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	20210212
Handler Name: PACIFIC HOMES	
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	No
Electronic Manifest Broker:	No

List of NAICS Codes and Descriptions:

NAICS Code:	236118
NAICS Description:	RESIDENTIAL REMODELERS

PACIFIC HOMES (Continued) **1026716841**

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

K96 **HIGH VOLTAGE ENGINEERING JUDD WIRE DIV** **RCRA-SQG** **1000238702**
East **870 LOS VALLECITOS BLVD** **FINDS** **CAD980638266**
< 1/8 **SAN MARCOS, CA 92069** **ECHO**
0.109 mi.
578 ft. **Site 2 of 4 in cluster K**

Relative: **Higher**
Actual: **554 ft.**

RCRA Listings:

Date Form Received by Agency:		19960901
Handler Name:	HIGH VOLTAGE ENGINEERING JUDD WIRE DIV	
Handler Address:		870 LOS VALLECITOS BLVD
Handler City,State,Zip:		SAN MARCOS, CA 92069
EPA ID:		CAD980638266
Contact Name:		Not reported
Contact Address:		Not reported
Contact City,State,Zip:		Not reported
Contact Telephone:		Not reported
Contact Fax:		Not reported
Contact Email:		Not reported
Contact Title:		Not reported
EPA Region:		09
Land Type:		Not reported
Federal Waste Generator Description:		Small Quantity Generator
Non-Notifier:		Not reported
Biennial Report Cycle:		Not reported
Accessibility:		Not reported
Active Site Indicator:		Handler Activities
State District Owner:		CA
State District:		4
Mailing Address:		870 LOS VALLECITOS BLVD
Mailing City,State,Zip:		SAN MARCOS, CA 92069
Owner Name:	Not reported	
Owner Type:		Not reported
Operator Name:	NOT REQUIRED	
Operator Type:		Private
Short-Term Generator Activity:		No
Importer Activity:		No
Mixed Waste Generator:		No
Transporter Activity:		No
Transfer Facility Activity:		No
Recycler Activity with Storage:		No
Small Quantity On-Site Burner Exemption:		No
Smelting Melting and Refining Furnace Exemption:		No
Underground Injection Control:		No
Off-Site Waste Receipt:		No
Universal Waste Indicator:		No
Universal Waste Destination Facility:		No
Federal Universal Waste:		No
Active Site Fed-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site Converter Treatment storage and Disposal Facility:		Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:		Not reported

HIGH VOLTAGE ENGINEERING JUDD WIRE DIV (Continued) **1000238702**

Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	NN
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20020917
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	Not reported
Manifest Broker:	Not reported
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Operator
Owner/Operator Name: NOT REQUIRED	
Legal Status:	Private
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	NOT REQUIRED
Owner/Operator City,State,Zip:	NOT REQUIRED, ME 99999
Owner/Operator Telephone:	415-555-1212
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Owner
Owner/Operator Name: NOT REQUIRED	
Legal Status:	Private

HIGH VOLTAGE ENGINEERING JUDD WIRE DIV (Continued) **1000238702**

Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	NOT REQUIRED
Owner/Operator City,State,Zip:	NOT REQUIRED, ME 99999
Owner/Operator Telephone:	415-555-1212
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	19960901
Handler Name:	HIGH VOLTAGE ENGINEERING JUDD WIRE DIV
Federal Waste Generator Description:	Small Quantity Generator
State District Owner:	CA
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

Receive Date:	19820122
Handler Name:	HIGH VOLTAGE ENGINEERING JUDD WIRE DIV
Federal Waste Generator Description:	Large Quantity Generator
State District Owner:	CA
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	No
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

List of NAICS Codes and Descriptions:

NAICS Codes:	No NAICS Codes Found

Facility Has Received Notices of Violation:

Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	Generators - General
Date Violation was Determined:	19900220
Actual Return to Compliance Date:	19911106
Return to Compliance Qualifier:	Unverifiable
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported

HIGH VOLTAGE ENGINEERING JUDD WIRE DIV (Continued) **1000238702**

Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: Generators - General
Date Violation was Determined: 19930205
Actual Return to Compliance Date: 19980205
Return to Compliance Qualifier: Not Resolved
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: Not reported
Date of Enforcement Action: Not reported
Enforcement Responsible Agency: Not reported
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: Not reported
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported

HIGH VOLTAGE ENGINEERING JUDD WIRE DIV (Continued) **1000238702**

Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: Generators - General
Date Violation was Determined: 19911106
Actual Return to Compliance Date: 19930205
Return to Compliance Qualifier: Unverifiable
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: Not reported
Date of Enforcement Action: Not reported
Enforcement Responsible Agency: Not reported
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: Not reported
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Evaluation Action Summary:
Evaluation Date: 19900220
Evaluation Responsible Agency: State Contractor/Grantee
Found Violation: Yes
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: R9STA
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: 19911106
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 19930205
Evaluation Responsible Agency: State Contractor/Grantee

HIGH VOLTAGE ENGINEERING JUDD WIRE DIV (Continued) **1000238702**

Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19980205
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	19911106
Evaluation Responsible Agency:	State Contractor/Grantee
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19930205
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

FINDS:
Registry ID: 110002669764

Click Here for FRS Facility Detail Report:

Environmental Interest/Information System:
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:

Envid:	1000238702
Registry ID:	110002669764
DFR URL:	http://echo.epa.gov/detailed-facility-report?fid=110002669764
Name:	HIGH VOLTAGE ENGINEERING JUDD WIRE DIV
Address:	870 LOS VALLECITOS BLVD
City,State,Zip:	SAN MARCOS, CA 92069

K97 **JUDD WIRE** **LUST** **S100727343**
East **870 LOS VALLECITOS BLVD** **SAN DIEGO CO. SAM** **N/A**
< 1/8 **SAN MARCOS, CA 92069** **San Diego Co. HMMD**
0.109 mi. **SWEEPS UST**
578 ft. **Site 3 of 4 in cluster K** **Cortese**
SAN DIEGO CO LOP
Relative: **CIWQS**
Higher **CERS**

Actual:
554 ft.

LUST REG 9:

Region:	9
Status:	Case Closed
Case Number:	9UT1424
Local Case:	H06459-001
Substance:	Waste Oil
Qty Leaked:	Not reported
Abate Method:	Not reported
Local Agency:	San Diego
How Found:	Tank Closure
How Stopped:	Close Tank
Source:	Not reported
Cause:	Not reported
Lead Agency:	Local Agency
Case Type:	Aquifer affected
Date Found:	02/28/1989
Date Stopped:	02/28/1989
Confirm Date:	02/28/1989
Submit Workplan:	Not reported
Prelim Assess:	06/08/1989
Desc Pollution:	Not reported
Remed Plan:	/ /
Remed Action:	Not reported
Began Monitor:	Not reported
Release Date:	06/08/1989
Enforce Date:	Not reported
Closed Date:	8/31/90
Enforce Type:	Not reported
Pilot Program:	LOP
Basin Number:	904.52
GW Depth:	4’
Beneficial Use:	Municipal groundwater use
NPDES Number:	Not reported
Priority:	Medium priority
File Dispn:	File discarded, case closed
Interim Remedial Actions:	Yes
Cleanup and Abatement order Number:	Not reported
Waste Discharge Requirement Number:	Not reported

SAN DIEGO CO. SAM:

Name:	JUDD WIRE
Address:	870 LOS VALLECITOS BL
City,State,Zip:	SAN MARCOS, CA 920691432
Case Number:	H06459-001
Agency:	DEH Site Assessment & Mitigation
Funding:	**LOP - Federal Fund**
Facility Type:	Drinking Water Aquifer Impacted
Facility Status:	Closed Case
Date:	8/31/1990
Date Began:	2/28/1989

JUDD WIRE (Continued) **S100727343**

HMMD SAN DIEGO:

Name:	JUDD WIRE
Address:	870 LOS VALLECITOS BLVD
City,State,Zip:	SAN MARCOS, CA 92069
Permit Number:	106459
Business Type:	6HK77
EPA Id Number:	CAD980638266
APN:	219-172-63-00
Last HMMD Inspection:	01/27/2003
Facility Telephone:	760-744-7720
Permit Status:	INAC
Permit Expiration:	05/31/2004
Date Last Updated:	11/02/2012
Facility Owner:	SUMITOMO
Facility Mailing Address:	870 LOS VALLECITOS BL
Facility Mailing City:	SAN MARCOS
Facility Mailing State:	CA
Facility Mailing Zip:	92069-1432
UST Owner:	Not reported
Handle Regulated Hazmat:	Y
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Y
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

UST:

UST Name:	UNDERGROUND TANK 106459 T001
Last Update:	2012-11-02 14:17:38
Permit Number:	106459
Tank Type:	SINGLE WALL
Additional Id:	1
Capacity Gallons:	550
UST Contents:	Not reported
Other Content Info:	WASTE OIL
Reg Status:	REMOVED
Remove Close Date:	1989-02-28 00:00:00
Year Installed:	Not reported
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	90
UST Monitor Method:	NO MONITORING ALTERNATIVE SELECTED. VERIFY AND ENTER MONITORING ALTERNATIVE DURING INSPECTION.

SWEEPS UST:

Name:	JUDD WIRE
Address:	870 LOS VALLECITOS BLVD
City:	SAN MARCOS
Status:	Not reported
Comp Number:	6459
Number:	Not reported
Board Of Equalization:	44-022370
Referral Date:	Not reported
Action Date:	Not reported
Created Date:	Not reported
Owner Tank Id:	Not reported

JUDD WIRE (Continued) **S100727343**

SWRCB Tank Id:	37-000-006459-000001
Tank Status:	Not reported
Capacity:	550
Active Date:	Not reported
Tank Use:	PETROLEUM
STG:	WASTE
Content:	Not reported
Number Of Tanks:	1

Name:	JUDD WIRE
Address:	870 LOS VALLECITOS BLVD
City:	SAN MARCOS
Status:	Active
Comp Number:	6459
Number:	9
Board Of Equalization:	44-022370
Referral Date:	Not reported
Action Date:	06-26-92
Created Date:	02-29-88
Owner Tank Id:	Not reported
SWRCB Tank Id:	Not reported
Tank Status:	Not reported
Capacity:	Not reported
Active Date:	Not reported
Tank Use:	Not reported
STG:	Not reported
Content:	Not reported
Number Of Tanks:	Not reported

CORTESE:

Name:	JUDD WIRE
Address:	870 LOS VALLECITOS BL
City,State,Zip:	SAN MARCOS, CA 920691432
Region:	CORTESE
Envirostor Id:	Not reported
Global ID:	T0607300257
Site/Facility Type:	LUST CLEANUP SITE
Cleanup Status:	COMPLETED - CASE CLOSED
Status Date:	Not reported
Site Code:	Not reported
Latitude:	Not reported
Longitude:	Not reported
Owner:	Not reported
Enf Type:	Not reported
Swat R:	Not reported
Flag:	active
Order No:	Not reported
Waste Discharge System No:	Not reported
Effective Date:	Not reported
Region 2:	Not reported
WID Id:	Not reported
Solid Waste Id No:	Not reported
Waste Management Uit Name:	Not reported
File Name:	Active Open

SAN DIEGO CO LOP:

JUDD WIRE (Continued) **S100727343**

Name:	JUDD WIRE
Address:	870 LOS VALLECITOS BLVD
City,State,Zip:	SAN MARCOS, CA 92069-1432
Record ID:	DEH1989-LSAM-H06459-001
Record Status:	Completed
Opened Date:	02/28/1989
Parcel Number:	219-172-63-00
Case Type:	LOP - Local Oversight Program
Historical Name:	JUDD WIRE
SWRCB Global ID:	T0607300257
Funding:	F - LOP Federal Fund
Lead Agency:	DEH/SAM
Lead Agency Date:	02/28/1989
Census Tract:	200.29
Community:	San Marcos
Jurisdiction:	SAN MARCOS
Watershed Basin Number:	904.52
Water Purveyor:	VALLECITOS WATER DISTRICT
Fire Agency:	SAN MARCOS FIRE PROT DIST
Latitude:	33.1423989
Longitude:	-117.1819658
X MapCoord:	6276515.874
Y MapCoord:	1997008.349

CIWQS:

Name:	JUDD WIRE
Address:	870 LOS VALLECITOS BLVD
City,State,Zip:	SAN MARCOS, CA 92069
Agency:	Judd Wire
Agency Address:	870 Los Vallecitos Blvd, San Marcos, CA 92069
Place/Project Type:	Industrial - Plastics Products, NEC
SIC/NAICS:	3089
Region:	9
Program:	INDSTW
Regulatory Measure Status:	Terminated
Regulatory Measure Type:	Storm water industrial
Order Number:	2014-0057-DWQ
WDID:	9 37I013676
NPDES Number:	CAS000001
Adoption Date:	Not reported
Effective Date:	01/06/1998
Termination Date:	03/05/2003
Expiration/Review Date:	Not reported
Design Flow:	Not reported
Major/Minor:	Not reported
Complexity:	Not reported
TTWQ:	Not reported
Enforcement Actions within 5 years:	0
Violations within 5 years:	0
Latitude:	33.1402
Longitude:	-117.18213

CERS:

Name:	JUDD WIRE
Address:	870 LOS VALLECITOS BL
City,State,Zip:	SAN MARCOS, CA 920691432

JUDD WIRE (Continued) **S100727343**

Site ID: 239531
CERS ID: T0607300257
CERS Description: Leaking Underground Storage Tank Cleanup Site

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K98 **JUDD WIRE** **LUST** **S104746374**
East **870 LOS VALLECITOS** **HIST CORTESE** **N/A**
< 1/8 **SAN MARCOS, CA 92069**
0.109 mi.
578 ft. **Site 4 of 4 in cluster K**

Relative: **Higher**

Actual: **554 ft.**

LUST:
Name: JUDD WIRE
Address: 870 LOS VALLECITOS BL
City,State,Zip: SAN MARCOS, CA 920691432
Lead Agency: SAN DIEGO COUNTY LOP
Case Type: LUST Cleanup Site
Geo Track: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0607300257
Global Id: T0607300257
Latitude: 33.1391591
Longitude: -117.1786735
Status: Completed - Case Closed
Status Date: 08/31/1990
Case Worker: Not reported
RB Case Number: 9UT1424
Local Agency: Not reported
File Location: Local Agency
Local Case Number: H06459-001
Potential Media Affect: Aquifer used for drinking water supply
Potential Contaminants of Concern: Waste Oil / Motor / Hydraulic / Lubricating
Site History: Not reported

LUST:
Global Id: T0607300257
Action Type: Other
Date: 02/28/1989
Action: Leak Reported

Global Id: T0607300257
Action Type: Other
Date: 02/28/1989
Action: Leak Began

Global Id: T0607300257
Action Type: Other
Date: 02/28/1989
Action: Leak Stopped

Global Id: T0607300257
Action Type: Other
Date: 02/28/1989
Action: Leak Discovery

LUST:
Global Id: T0607300257
Status: Open - Case Begin Date
Status Date: 02/28/1989

Global Id: T0607300257

JUDD WIRE (Continued) **S104746374**

Status: Completed - Case Closed
Status Date: 08/31/1990

HIST CORTESE:
edr_fname: JUDD WIRE
edr_fadd1: 870 LOS VALLECITOS
City,State,Zip: SAN MARCOS, CA 92069
Region: CORTESE
Facility County Code: 37
Reg By: LTNKA
Reg Id: 9UT1424

H99 **JENNIFER VALDEZ** **RCRA NonGen / NLR** **1026043726**
WNW **1155 GRAND AVE** **CAC003049969**
< 1/8 **SAN MARCOS, CA 92078**
0.116 mi.
612 ft. **Site 2 of 2 in cluster H**

Relative: **Higher**
Actual: **544 ft.**

RCRA Listings:

Date Form Received by Agency:		20200108
Handler Name:	JENNIFER VALDEZ	
Handler Address:		1155 GRAND AVE
Handler City,State,Zip:		SAN MARCOS, CA 92078
EPA ID:		CAC003049969
Contact Name:		JENNIFER VALDEZ
Contact Address:		1155 GRAND AVE
Contact City,State,Zip:		SAN MARCOS, CA 92078
Contact Telephone:		619-850-9190
Contact Fax:		Not reported
Contact Email:		OFFICE@SOCALABATEMENT.COM
Contact Title:		Not reported
EPA Region:		09
Land Type:		Not reported
Federal Waste Generator Description:		Not a generator, verified
Non-Notifier:		Not reported
Biennial Report Cycle:		Not reported
Accessibility:		Not reported
Active Site Indicator:		Not reported
State District Owner:		Not reported
State District:		Not reported
Mailing Address:		1155 GRAND AVE
Mailing City,State,Zip:		SAN MARCOS, CA 92078
Owner Name:	JENNIFER VALDEZ	
Owner Type:		Other
Operator Name:	JENNIFER VALDEZ	
Operator Type:		Other
Short-Term Generator Activity:		No
Importer Activity:		No
Mixed Waste Generator:		No
Transporter Activity:		No
Transfer Facility Activity:		No
Recycler Activity with Storage:		No
Small Quantity On-Site Burner Exemption:		No
Smelting Melting and Refining Furnace Exemption:		No
Underground Injection Control:		No
Off-Site Waste Receipt:		No

JENNIFER VALDEZ (Continued) **1026043726**

Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20200210
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name: JENNIFER VALDEZ	
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	1155 GRAND AVE
Owner/Operator City,State,Zip:	SAN MARCOS, CA 92078
Owner/Operator Telephone:	619-850-9190
Owner/Operator Telephone Ext:	Not reported

JENNIFER VALDEZ (Continued) **1026043726**

Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator
Owner/Operator Name: JENNIFER VALDEZ
Legal Status: Other
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: 1155 GRAND AVE
Owner/Operator City,State,Zip: SAN MARCOS, CA 92078
Owner/Operator Telephone: 619-850-9190
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:
Receive Date: 20200108
Handler Name: JENNIFER VALDEZ
Federal Waste Generator Description: Not a generator, verified
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Code: 56299
NAICS Description: ALL OTHER WASTE MANAGEMENT SERVICES

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

O100 **FRY'S ELECTRONICS** **RCRA NonGen / NLR** **1024869077**
ESE **150 BENT AVE** **CAL000437686**
< 1/8 **SAN MARCOS, CA 92078**
0.123 mi.
648 ft. **Site 1 of 4 in cluster O**

Relative:
Higher

Actual:
547 ft.

RCRA Listings:
Date Form Received by Agency: 20180719
Handler Name: FRY'S ELECTRONICS
Handler Address: 150 BENT AVE
Handler City,State,Zip: SAN MARCOS, CA 92078
EPA ID: CAL000437686
Contact Name: GAETANO VENTRELLA
Contact Address: 150 BENT AVE
Contact City,State,Zip: SAN MARCOS, CA 92078
Contact Telephone: 760-556-1300

FRY'S ELECTRONICS (Continued) **1024869077**

Contact Fax:		760-566-1318
Contact Email:		GV11@I.FRYS.COM
Contact Title:		Not reported
EPA Region:		09
Land Type:		Not reported
Federal Waste Generator Description:		Not a generator, verified
Non-Notifier:		Not reported
Biennial Report Cycle:		Not reported
Accessibility:		Not reported
Active Site Indicator:		Handler Activities
State District Owner:		Not reported
State District:		Not reported
Mailing Address:		600 E BROKAW RD
Mailing City,State,Zip:		SAN JOSE, CA 95112
Owner Name:	FRY'S ELECTRONICS INC	
Owner Type:		Other
Operator Name:	GAETANO VENTRELLA	
Operator Type:		Other
Short-Term Generator Activity:		No
Importer Activity:		No
Mixed Waste Generator:		No
Transporter Activity:		No
Transfer Facility Activity:		No
Recycler Activity with Storage:		No
Small Quantity On-Site Burner Exemption:		No
Smelting Melting and Refining Furnace Exemption:		No
Underground Injection Control:		No
Off-Site Waste Receipt:		No
Universal Waste Indicator:		Yes
Universal Waste Destination Facility:		Yes
Federal Universal Waste:		No
Active Site Fed-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site Converter Treatment storage and Disposal Facility:		Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site State-Reg Handler:		---
Federal Facility Indicator:		Not reported
Hazardous Secondary Material Indicator:		N
Sub-Part K Indicator:		Not reported
Commercial TSD Indicator:		No
Treatment Storage and Disposal Type:		Not reported
2018 GPRA Permit Baseline:		Not on the Baseline
2018 GPRA Renewals Baseline:		Not on the Baseline
Permit Renewals Workload Universe:		Not reported
Permit Workload Universe:		Not reported
Permit Progress Universe:		Not reported
Post-Closure Workload Universe:		Not reported
Closure Workload Universe:		Not reported
202 GPRA Corrective Action Baseline:		No
Corrective Action Workload Universe:		No
Subject to Corrective Action Universe:		No
Non-TSDFs Where RCRA CA has Been Imposed Universe:		No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:		No
TSDFs Only Subject to CA under Discretionary Auth Universe:		No
Corrective Action Priority Ranking:		No NCAPS ranking
Environmental Control Indicator:		No
Institutional Control Indicator:		No
Human Exposure Controls Indicator:		N/A

FRY'S ELECTRONICS (Continued) **1024869077**

Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20180907
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Operator
Owner/Operator Name: GAETANO VENTRELLA	
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	150 BENT AVE
Owner/Operator City,State,Zip:	SAN MARCOS, CA 92078
Owner/Operator Telephone:	760-556-1300
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Owner
Owner/Operator Name: FRY'S ELECTRONICS INC	
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	600 E BROKAW RD
Owner/Operator City,State,Zip:	SAN JOSE, CA 95112
Owner/Operator Telephone:	408-487-4747
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	20180719
Handler Name: FRY'S ELECTRONICS	
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

FRY'S ELECTRONICS (Continued) **1024869077**

List of NAICS Codes and Descriptions:
NAICS Code: 443142
NAICS Description: ELECTRONICS STORES

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

L101 **JEFFREY LEE** **RCRA NonGen / NLR** **1025858594**
WNW **145 VIA VERA CRUZ** **CAC003039124**
1/8-1/4 **SAN MARCOS, CA 92078**
0.126 mi.
667 ft. **Site 7 of 13 in cluster L**

Relative: **Lower**
Actual: **540 ft.**

RCRA Listings:

Date Form Received by Agency:		20191017
Handler Name:	JEFFREY LEE	
Handler Address:		145 VIA VERA CRUZ
Handler City,State,Zip:		SAN MARCOS, CA 92078-2615
EPA ID:		CAC003039124
Contact Name:		JEFFREY LEE
Contact Address:		145 VIA VERA CRUZ
Contact City,State,Zip:		SAN MARCOS, CA 92078-2615
Contact Telephone:		714-787-7530
Contact Fax:		Not reported
Contact Email:		SDABATEMENT@GMAIL.COM
Contact Title:		Not reported
EPA Region:		09
Land Type:		Not reported
Federal Waste Generator Description:		Not a generator, verified
Non-Notifier:		Not reported
Biennial Report Cycle:		Not reported
Accessibility:		Not reported
Active Site Indicator:		Not reported
State District Owner:		Not reported
State District:		Not reported
Mailing Address:		145 VIA VERA CRUZ
Mailing City,State,Zip:		SAN MARCOS, CA 92078-2615
Owner Name:	JEFFREY LEE	
Owner Type:		Other
Operator Name:	JEFFREY LEE	
Operator Type:		Other
Short-Term Generator Activity:		No
Importer Activity:		No
Mixed Waste Generator:		No
Transporter Activity:		No
Transfer Facility Activity:		No
Recycler Activity with Storage:		No
Small Quantity On-Site Burner Exemption:		No
Smelting Melting and Refining Furnace Exemption:		No
Underground Injection Control:		No
Off-Site Waste Receipt:		No
Universal Waste Indicator:		No

JEFFREY LEE (Continued) **1025858594**

Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20191021
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name: JEFFREY LEE	
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	145 VIA VERA CRUZ
Owner/Operator City,State,Zip:	SAN MARCOS, CA 92078-2615
Owner/Operator Telephone:	714-787-7530
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported

JEFFREY LEE (Continued) **1025858594**

Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator
Owner/Operator Name: JEFFREY LEE
Legal Status: Other
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: 145 VIA VERA CRUZ
Owner/Operator City,State,Zip: SAN MARCOS, CA 92078-2615
Owner/Operator Telephone: 714-787-7530
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:
Receive Date: 20191017
Handler Name: JEFFREY LEE
Federal Waste Generator Description: Not a generator, verified
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Code: 56299
NAICS Description: ALL OTHER WASTE MANAGEMENT SERVICES

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

L102 **CLARENCE OCHS,INC.** **LUST** **S104160451**
WNW **145 VIA VERA CRUZ** **N/A**
1/8-1/4 **SAN MARCOS, CA 92069**
0.126 mi.
667 ft. **Site 8 of 13 in cluster L**

Relative: LUST REG 9:
Lower
Actual: Region: 9
540 ft. Status: Preliminary site assessment underway
Case Number: 9UT3651
Local Case: H05072-001
Substance: Gasoline
Qty Leaked: 0
Abate Method: Not reported
Local Agency: San Diego
How Found: Other Means
How Stopped: Not reported

CLARENCE OCHS,INC. (Continued) **S104160451**

Source:	Unknown
Cause:	Unknown
Lead Agency:	Local Agency
Case Type:	Other ground water affected
Date Found:	02/21/1996
Date Stopped:	04/24/1998
Confirm Date:	/ /
Submit Workplan:	Not reported
Prelim Assess:	04/30/1998
Desc Pollution:	Not reported
Remed Plan:	/ /
Remed Action:	Not reported
Began Monitor:	Not reported
Release Date:	04/24/1998
Enforce Date:	Not reported
Closed Date:	Not reported
Enforce Type:	Not reported
Pilot Program:	LOP
Basin Number:	904.52
GW Depth:	Not reported
Beneficial Use:	MUNBU
NPDES Number:	Not reported
Priority:	2A
File Dispn:	Administratively opened on database, however no file physically exists
Interim Remedial Actions:	Not reported
Cleanup and Abatement order Number:	Not reported
Waste Discharge Requirement Number:	Not reported

L103 **CLARENCE OCHS OIL** **SAN DIEGO CO. SAM** **U001572195**
WNW **145 VIA VERA CRUZ** **San Diego Co. HMMD** **N/A**
1/8-1/4 **SAN MARCOS, CA 92069** **CERS HAZ WASTE**
0.126 mi. **SWEEPS UST**
667 ft. **Site 9 of 13 in cluster L** **HIST UST**
CERS TANKS
Relative: **Cortese**
Lower **EMI**
SAN DIEGO CO LOP
Actual: **CERS**
540 ft.

SAN DIEGO CO. SAM:

Name:	CLARENCE OCHS OIL
Address:	145 VIA VERA CRUZ
City,State,Zip:	SAN MARCOS, CA 920692615
Case Number:	H05072-001
Agency:	DEH Site Assessment & Mitigation
Funding:	**LOP - State Fund**
Facility Type:	Drinking Water Aquifer Impacted
Facility Status:	Remedial Investigation
Date:	11/5/2001
Date Began:	4/24/1998

HMMD SAN DIEGO:

Name:	CLARENCE OCHS OIL
Address:	145 VIA VERA CRUZ
City,State,Zip:	SAN MARCOS, CA 92078
Permit Number:	105072
Business Type:	6HK24

CLARENCE OCHS OIL (Continued) **U001572195**

EPA Id Number:	CAL000126880
APN:	219-152-60-00
Last HMMD Inspection:	03/06/2012
Facility Telephone:	760-744-5441
Permit Status:	OPEN
Permit Expiration:	04/30/2013
Date Last Updated:	11/02/2012
Facility Owner:	CLARENCE OCHS OIL
Facility Mailing Address:	P.O. BOX 230925
Facility Mailing City:	ENCINITAS
Facility Mailing State:	CA
Facility Mailing Zip:	92023-0925
UST Owner:	CLARENCE OCHS, INC
Handle Regulated Hazmat:	Y
Own Or Operate UST:	Y
Subject To APSA:	Not reported
Generate Haz Waste:	Y
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

Inventory Active Permits (not SQG Medical):

Permit Number:	105072
Update Date:	11/02/2012
Case Number:	67-64-1
Name:	ACETONE
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	FIRE
Hazardous Categories 2:	ACUTE

Permit Number:	105072
Update Date:	11/02/2012
Case Number:	107-21-1
Name:	ANTIFREEZE- ETHYLENE GLYCOL
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	ACUTE
Hazardous Categories 2:	Not reported

Permit Number:	105072
Update Date:	11/02/2012
Case Number:	8008-20-6
Name:	CHEVRON PEARL KEROSENE
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	FIRE
Hazardous Categories 2:	ACUTE

Permit Number:	105072
Update Date:	11/02/2012
Case Number:	Not reported
Name:	DIESEL
Other Information:	UNDERGROUND TANK 105072 T007
Material Waste:	Material
Hazardous Categories 1:	FIRE
Hazardous Categories 2:	Not reported

Permit Number:	105072

CLARENCE OCHS OIL (Continued) **U001572195**

Update Date:	11/02/2012
Case Number:	Not reported
Name:	DIESEL
Other Information:	UNDERGROUND TANK 105072 T008
Material Waste:	Material
Hazardous Categories 1:	FIRE
Hazardous Categories 2:	Not reported
Permit Number:	105072
Update Date:	11/02/2012
Case Number:	8002-05-9
Name:	MOTOR OILS & DIFFERENT GRADES
Other Information:	INDUSTRIAL OILS SUCH AS HYDRAULIC OILS CUTT
Material Waste:	Material
Hazardous Categories 1:	FIRE
Hazardous Categories 2:	ACUTE
Permit Number:	105072
Update Date:	11/02/2012
Case Number:	Not reported
Name:	REGULAR UNLEADED
Other Information:	UNDERGROUND TANK 105072 T009
Material Waste:	Material
Hazardous Categories 1:	FIRE
Hazardous Categories 2:	Not reported
Permit Number:	105072
Update Date:	11/02/2012
Case Number:	8052-41-3
Name:	STODDARD SOLVENT
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	FIRE
Hazardous Categories 2:	ACUTE
Permit Number:	105072
Update Date:	11/02/2012
Case Number:	Not reported
Name:	SUPER UNLEADED
Other Information:	UNDERGROUND TANK 105072 T010
Material Waste:	Material
Hazardous Categories 1:	FIRE
Hazardous Categories 2:	Not reported
Permit Number:	105072
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 221 WASTE OIL & MIXED OIL
Other Information:	USED OIL
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported
Permit Number:	105072
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 222 OIL/WATER SEPARATION SLUDGE

CLARENCE OCHS OIL (Continued) **U001572195**

Other Information: Not reported
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 105072
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 342 ORGANIC LIQUIDS W/METALS
Other Information: ANTIFREEZE
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 105072
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 352 ORGANIC SOLIDS (OTHER)
Other Information: SOLIDS MIX WITH USED OIL
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 105072
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 888 USED OIL FILTERS
Other Information: USED OIL FILTERS
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Violations Active Permits:
Permit Number: 105072
Update Date: 11/02/2012
Inspection Date: 02/10/2009
Violation Code: 6HV3411
Violation: LLD NOT INSTALLED/NOT FUNCTIONAL
Violation Citation: DOUBLE WALLED PRESSURIZED PIPING-Including Under Dispenser Containment (UDC):Line leak detector is not installed, not functional, or not tested. 2636(f)(2), 25284.1(a)(4)(C), 2641(j)
Activity: ACTIVE

Permit Number: 105072
Update Date: 11/02/2012
Inspection Date: 01/20/2005
Violation Code: 6HV3158
Violation: ALL OPERATING CONDITIONS NOT MET
Violation Citation: All permit operating conditions not met. 25284; 2712
Activity: ACTIVE

Permit Number: 105072
Update Date: 11/02/2012
Inspection Date: 01/20/2005
Violation Code: 6HV3256
Violation: NO FUNCTIONAL DRAIN BOX/BACKUP
Violation Citation: Fill box drain not functional and backup system is not available.

CLARENCE OCHS OIL (Continued) **U001572195**

	2635(b)(1)(C)
Activity:	ACTIVE
Permit Number:	105072
Update Date:	11/02/2012
Inspection Date:	01/20/2005
Violation Code:	6HV3256
Violation:	NO FUNCTIONAL DRAIN BOX/BACKUP
Violation Citation:	Fill box drain not functional and backup system is not available. 2635(b)(1)(C)
Activity:	ACTIVE
Permit Number:	105072
Update Date:	11/02/2012
Inspection Date:	01/20/2005
Violation Code:	6HV3256
Violation:	NO FUNCTIONAL DRAIN BOX/BACKUP
Violation Citation:	Fill box drain not functional and backup system is not available. 2635(b)(1)(C)
Activity:	ACTIVE
Permit Number:	105072
Update Date:	11/02/2012
Inspection Date:	01/20/2005
Violation Code:	6HV3256
Violation:	NO FUNCTIONAL DRAIN BOX/BACKUP
Violation Citation:	Fill box drain not functional and backup system is not available. 2635(b)(1)(C)
Activity:	ACTIVE
Permit Number:	105072
Update Date:	11/02/2012
Inspection Date:	02/10/2010
Violation Code:	6HV5301
Violation:	SPCC CHANGES NOT IMPLEMENTED. W/I 6 MOS
Violation Citation:	The facility is subject to the Aboveground Petroleum Storage Act (APSA) and failed to implement Spill Prevention Control and Countermeasures Plan review changes or amendment changes, or both, within six months. 25270.4.5(a), 25270.5 & 25270.12(a) [ref. CFR 112.5(a), (d)]
Activity:	ACTIVE
Permit Number:	105072
Update Date:	11/02/2012
Inspection Date:	02/10/2010
Violation Code:	6HV3193
Violation:	NO TRAINING/RECORD INCOMPLETE-NOT ONSITE
Violation Citation:	Facility employee(s) are not trained, training records are incomplete, and/or not onsite. 2715(f)
Activity:	ACTIVE
Permit Number:	105072
Update Date:	11/02/2012
Inspection Date:	01/17/2006
Violation Code:	6HV3152
Violation:	ALL MAINT/MONITOR RECORDS NOT AVAILABLE
Violation Citation:	All maintenance/monitoring/calibration/ repair records not available.

CLARENCE OCHS OIL (Continued) **U001572195**

25293; 2712 (b)
Activity: ACTIVE

UST:
UST Name: UNDERGROUND TANK 105072 T001
Last Update: 2012-11-02 14:17:38
Permit Number: 105072
Tank Type: SINGLE WALL IN VAULT
Additional Id: 1
Capacity Gallons: 12000
UST Contents: DIESEL
Other Content Info: DIESEL
Reg Status: REMOVED
Remove Close Date: 1998-07-30 00:00:00
Year Installed: 1974-01-01 00:00:00
Pipe Type: SINGLE WALL
Delivery System: PRESSURE
Monitor Code: 13
UST Monitor Method: SW TANK W/ CERT ATG SW PRESSURE PIPE W/ SHUTOFF LLD + CERT ATG: IN-TANK TEST MONTHLY, PIPE TEST ANN 0.1 G/HR OR MO 0.2 G/HR

UST Name: UNDERGROUND TANK 105072 T002
Last Update: 2012-11-02 14:17:38
Permit Number: 105072
Tank Type: SINGLE WALL
Additional Id: 5
Capacity Gallons: 4000
UST Contents: DIESEL
Other Content Info: DIESEL
Reg Status: REMOVED
Remove Close Date: 1998-07-30 00:00:00
Year Installed: 1974-01-01 00:00:00
Pipe Type: Not reported
Delivery System: Not reported
Monitor Code: 90
UST Monitor Method: NO MONITORING ALTERNATIVE SELECTED. VERIFY AND ENTER MONITORING ALTERNATIVE DURING INSPECTION.

UST Name: UNDERGROUND TANK 105072 T003
Last Update: 2012-11-02 14:17:38
Permit Number: 105072
Tank Type: SINGLE WALL IN VAULT
Additional Id: 4
Capacity Gallons: 12000
UST Contents: REGULAR UNLEADED
Other Content Info: REGULAR UNLEADED
Reg Status: REMOVED
Remove Close Date: Not reported
Year Installed: Not reported
Pipe Type: SINGLE WALL
Delivery System: PRESSURE
Monitor Code: 13
UST Monitor Method: SW TANK W/ CERT ATG SW PRESSURE PIPE W/ SHUTOFF LLD + CERT ATG: IN-TANK TEST MONTHLY, PIPE TEST ANN 0.1 G/HR OR MO 0.2 G/HR

UST Name: UNDERGROUND TANK 105072 T004
Last Update: 2012-11-02 14:17:38

CLARENCE OCHS OIL (Continued) **U001572195**

Permit Number:	105072
Tank Type:	SINGLE WALL IN VAULT
Additional Id:	3
Capacity Gallons:	12000
UST Contents:	REGULAR UNLEADED
Other Content Info:	REGULAR UNLEADED
Reg Status:	REMOVED
Remove Close Date:	1998-07-30 00:00:00
Year Installed:	1974-01-01 00:00:00
Pipe Type:	SINGLE WALL
Delivery System:	PRESSURE
Monitor Code:	13
UST Monitor Method:	SW TANK W/ CERT ATG SW PRESSURE PIPE W/ SHUTOFF LLD + CERT ATG: IN-TANK TEST MONTHLY, PIPE TEST ANN 0.1 G/HR OR MO 0.2 G/HR
UST Name:	UNDERGROUND TANK 105072 T005
Last Update:	2012-11-02 14:17:38
Permit Number:	105072
Tank Type:	SINGLE WALL IN VAULT
Additional Id:	2
Capacity Gallons:	12000
UST Contents:	REGULAR UNLEADED
Other Content Info:	REGULAR UNLEADED
Reg Status:	REMOVED
Remove Close Date:	1998-07-30 00:00:00
Year Installed:	1974-01-01 00:00:00
Pipe Type:	SINGLE WALL
Delivery System:	PRESSURE
Monitor Code:	05
UST Monitor Method:	SW TANK DW PIPE W/ POS SHUTOFF-ALARM ON LLD W/ SIRS:SIR ANALY MONTHLY, TANK TEST BIENNIALLY, PIPE TEST ANN 0.1 G/HR OR MO 0.2 G/HR
UST Name:	UNDERGROUND TANK 105072 T006
Last Update:	2012-11-02 14:17:38
Permit Number:	105072
Tank Type:	DOUBLE WALL
Additional Id:	0000000001
Capacity Gallons:	4000
UST Contents:	Not reported
Other Content Info:	SEE FILE FOR CONTENTS
Reg Status:	REMOVED
Remove Close Date:	Not reported
Year Installed:	1974-01-01 00:00:00
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	90
UST Monitor Method:	NO MONITORING ALTERNATIVE SELECTED. VERIFY AND ENTER MONITORING ALTERNATIVE DURING INSPECTION.
UST Name:	UNDERGROUND TANK 105072 T007
Last Update:	2012-11-02 14:17:38
Permit Number:	105072
Tank Type:	DOUBLE WALL
Additional Id:	NT2042, RT3097
Capacity Gallons:	15000
UST Contents:	DIESEL
Other Content Info:	DIESEL

CLARENCE OCHS OIL (Continued) **U001572195**

Reg Status:	ACTIVE
Remove Close Date:	Not reported
Year Installed:	1998-01-01 00:00:00
Pipe Type:	DOUBLE WALL
Delivery System:	PRESSURE
Monitor Code:	31B
UST Monitor Method:	DW TANK, DW PRESSURIZED PIPE W/ DRY TANK ANNULAR; POSITIVE SHUT-OFF & FAILSAFE, 3.0 LLD; UDC W/ MECHANICAL FLOAT
UST Name:	UNDERGROUND TANK 105072 T008
Last Update:	2012-11-02 14:17:38
Permit Number:	105072
Tank Type:	DOUBLE WALL
Additional Id:	NT2042, RT3097
Capacity Gallons:	15000
UST Contents:	DIESEL
Other Content Info:	DIESEL
Reg Status:	ACTIVE
Remove Close Date:	Not reported
Year Installed:	1998-01-01 00:00:00
Pipe Type:	DOUBLE WALL
Delivery System:	PRESSURE
Monitor Code:	31B
UST Monitor Method:	DW TANK, DW PRESSURIZED PIPE W/ DRY TANK ANNULAR; POSITIVE SHUT-OFF & FAILSAFE, 3.0 LLD; UDC W/ MECHANICAL FLOAT
UST Name:	UNDERGROUND TANK 105072 T009
Last Update:	2012-11-02 14:17:38
Permit Number:	105072
Tank Type:	DOUBLE WALL
Additional Id:	NT2042, RT3097
Capacity Gallons:	10000
UST Contents:	REGULAR UNLEADED
Other Content Info:	REGULAR UNLEADED
Reg Status:	ACTIVE
Remove Close Date:	Not reported
Year Installed:	1998-01-01 00:00:00
Pipe Type:	DOUBLE WALL
Delivery System:	PRESSURE
Monitor Code:	31B
UST Monitor Method:	DW TANK, DW PRESSURIZED PIPE W/ DRY TANK ANNULAR; POSITIVE SHUT-OFF & FAILSAFE, 3.0 LLD; UDC W/ MECHANICAL FLOAT
UST Name:	UNDERGROUND TANK 105072 T010
Last Update:	2012-11-02 14:17:38
Permit Number:	105072
Tank Type:	DOUBLE WALL
Additional Id:	NT2042, RT3097
Capacity Gallons:	10000
UST Contents:	PREMIUM UNLEADED
Other Content Info:	PREMIUM UNLEADED
Reg Status:	ACTIVE
Remove Close Date:	Not reported
Year Installed:	1998-01-01 00:00:00
Pipe Type:	DOUBLE WALL
Delivery System:	PRESSURE
Monitor Code:	31B

CLARENCE OCHS OIL (Continued) **U001572195**

UST Monitor Method:	DW TANK, DW PRESSURIZED PIPE W/ DRY TANK ANNULAR; POSITIVE SHUT-OFF & FAILSAFE, 3.0 LLD; UDC W/ MECHANICAL FLOAT
UST Name:	UNDERGROUND TANK 105072 T011
Last Update:	2012-11-02 14:17:38
Permit Number:	105072
Tank Type:	DOUBLE WALL
Additional Id:	NT2042
Capacity Gallons:	4000
UST Contents:	Not reported
Other Content Info:	OTHER - SPECIFY
Reg Status:	EXEMPT
Remove Close Date:	Not reported
Year Installed:	Not reported
Pipe Type:	SINGLE WALL
Delivery System:	GRAVITY
Monitor Code:	99
UST Monitor Method:	OTHER - BLIND REMARK REQUIRED
Name:	SOUTHERN COUNTIES LUBRICANTS,LLC
Address:	145 VIA VERA CRUZ
City,State,Zip:	SAN MARCOS, CA 92078
Permit Number:	Not reported
Business Type:	Not reported
EPA Id Number:	CAL000414271
APN:	Not reported
Last HMMD Inspection:	Not reported
Facility Telephone:	714-516-7300
Permit Status:	Permit Renewed
Permit Expiration:	Not reported
Date Last Updated:	02/11/2022
Facility Owner:	Not reported
Facility Mailing Address:	P.O. Box 5765, Orange, CA 92863
Facility Mailing City:	Not reported
Facility Mailing State:	Not reported
Facility Mailing Zip:	Not reported
UST Owner:	Y
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Y
Treat Haz Waste:	N
Generate Medical Waste:	Not reported

Inspection Violation:

Record ID:	DEH2002-HUPFP-105072
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-105072
Program Element:	Underground Storage Tank
Inspection Type:	Routine
Inspection Number:	5158458
Return To Compliance Date:	2015-02-11T00:00:00.000
Nov:	No
Violation Classification:	Not reported
Underground Storage Tank Id:	18885
Container/Tank Id:	Not reported

CLARENCE OCHS OIL (Continued) **U001572195**

Last Update:	2022-02-11T01:22:14.000
Inspection Date:	2015-02-11T00:00:00.000
Violation Code:	2030025 Failure of the pressurized piping to meet one or more of the following requirements: monitored at least hourly with the capability of detecting a release of 3.0 gallons per hour, and will restrict the flow of product through the piping or trigger an alarm when a release occurs. 23 CCR 16 2636(f)(2).
Record ID:	DEH2002-HUPFP-105072
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-105072
Program Element:	Underground Storage Tank
Inspection Type:	Routine
Inspection Number:	5585264
Return To Compliance Date:	2017-02-10T00:00:00.000
Nov:	No
Violation Classification:	Class II
Underground Storage Tank Id:	18885
Container/Tank Id:	Not reported
Last Update:	2022-02-11T01:22:14.000
Inspection Date:	2017-02-10T15:46:00.000
Violation Code:	2030017 Failure to maintain all product piping outside the dispenser to be fail-safe & shut down the pump when a leak is detected and the monitoring system shuts down the pump or flow restriction occurs when a leak is detected in the under dispenser containment. 23 CCR 2636(f)(5)
Record ID:	DEH2002-HUPFP-105072
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-105072
Program Element:	Underground Storage Tank
Inspection Type:	Routine
Inspection Number:	5585264
Return To Compliance Date:	2017-02-10T00:00:00.000
Nov:	No
Violation Classification:	Not reported
Underground Storage Tank Id:	18886
Container/Tank Id:	Not reported
Last Update:	2022-02-11T01:22:14.000
Inspection Date:	2017-02-10T15:46:00.000
Violation Code:	2030025 (RD) Failure of the pressurized piping to meet one or more of the following requirements: monitored at least hourly with the capability of detecting a release of 3.0 gallons per hour, and will restrict the flow or product through the piping or trigger an alarm when a release occurs. 23 CCR 2636(f)(2)
Record ID:	DEH2002-HUPFP-105072
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-105072
Program Element:	Underground Storage Tank
Inspection Type:	Routine
Inspection Number:	6388858
Return To Compliance Date:	2020-02-13T00:00:00.000
Nov:	No

CLARENCE OCHS OIL (Continued) **U001572195**

Violation Classification:	Class II
Underground Storage Tank Id:	18887
Container/Tank Id:	Not reported
Last Update:	2022-02-11T01:22:14.000
Inspection Date:	2020-02-13T13:00:28.000
Violation Code:	2030025 (TCR 9d) Failure of the line leak detector (LLD) monitoring pressurized piping to meet one or more of the following requirements: Monitored at least hourly. with the capability of detecting a release of 3.0 gallons per hour leak at 10 pounds per square inch and restrict or shut off the flow of product through the piping when a leak is detected. 23 CCR 2636(f)(2)
Record ID:	DEH2002-HUPFP-105072
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-105072
Program Element:	Underground Storage Tank
Inspection Type:	Routine
Inspection Number:	6866435
Return To Compliance Date:	2022-02-03T00:00:00.000
Nov:	Yes
Violation Classification:	Not reported
Underground Storage Tank Id:	18886
Container/Tank Id:	Not reported
Last Update:	2022-02-11T01:22:14.000
Inspection Date:	2022-02-03T00:00:00.000
Violation Code:	2060015 (TCR 9d) Failure of leak detection equipment to be installed, maintained and located such that the equipment is capable of detecting a leak at the earliest possible opportunity. 23 CCR 2630(d), 2641(a)
Record ID:	DEH2002-HUPFP-105072
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-105072
Program Element:	Underground Storage Tank
Inspection Type:	Routine
Inspection Number:	6866435
Return To Compliance Date:	2022-02-03T00:00:00.000
Nov:	Yes
Violation Classification:	Not reported
Underground Storage Tank Id:	18886
Container/Tank Id:	Not reported
Last Update:	2022-02-11T01:22:14.000
Inspection Date:	2022-02-03T00:00:00.000
Violation Code:	2030062 (TCR 9d) Leak detection equipment disabled or tampered with in a manner that would prevent the monitoring system from detecting and/or alerting the owner/operator of a leak. HSC 25299(a)(9); 23 CCR 2630(d)
Record ID:	DEH2002-HUPFP-105072
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-105072
Program Element:	Aboveground Petroleum Storage Act
Inspection Type:	Routine
Inspection Number:	4899979
Return To Compliance Date:	2015-09-26T00:00:00.000

CLARENCE OCHS OIL (Continued) **U001572195**

Nov:	No
Violation Classification:	Minor
Underground Storage Tank Id:	Not reported
Container/Tank Id:	Not reported
Last Update:	2022-02-11T01:22:14.000
Inspection Date:	2014-02-24T08:55:00.000
Violation Code:	4010010 Failure to make SPCC plan amendment(s) when the facility has had a change in: design, construction, operation, or maintenance which affects the facility's discharge potential; 40 CFR 1 112.5(b); HSC 6.67 25270.4.5(a).
Record ID:	DEH2002-HUPFP-105072
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-105072
Program Element:	Hazardous Waste Generator
Inspection Type:	Routine
Inspection Number:	6652007
Return To Compliance Date:	2021-03-10T00:00:00.000
Nov:	No
Violation Classification:	Minor
Underground Storage Tank Id:	Not reported
Container/Tank Id:	Not reported
Last Update:	2022-02-11T01:22:14.000
Inspection Date:	2021-02-03T00:00:00.000
Violation Code:	3010010 Failed to maintain copies of Uniform Hazardous Waste Manifest, consolidated manifest, or Bills of Lading for 3 years. HSC 25160.2(b)(3), 25185(a)(4); 22 CCR 66262.40(a), 66262.23(a)(3)
Record ID:	DEH2002-HUPFP-105072
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-105072
Program Element:	Underground Storage Tank
Inspection Type:	Routine
Inspection Number:	5238513
Return To Compliance Date:	2016-02-11T00:00:00.000
Nov:	Yes
Violation Classification:	Class I
Underground Storage Tank Id:	18886
Container/Tank Id:	Not reported
Last Update:	2022-02-11T01:22:14.000
Inspection Date:	2016-02-11T14:01:14.000
Violation Code:	2030026 Failure of line leak detector to detect a leak and/or failure of audible and visual alarm. 23 CCR 2636(f)(2)
Record ID:	DEH2002-HUPFP-105072
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-105072
Program Element:	Underground Storage Tank
Inspection Type:	Routine
Inspection Number:	6866435
Return To Compliance Date:	Not reported
Nov:	Not reported
Violation Classification:	Not reported
Underground Storage Tank Id:	Not reported

CLARENCE OCHS OIL (Continued) **U001572195**

Container/Tank Id:	Not reported
Last Update:	2022-02-11T01:22:14.000
Inspection Date:	2022-02-03T00:00:00.000
Violation Code:	HMD0000 UST TANK (DW/SW) - REQUIREMENT
Record ID:	DEH2002-HUPFP-105072
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-105072
Program Element:	Underground Storage Tank
Inspection Type:	Routine
Inspection Number:	4899979
Return To Compliance Date:	2014-02-24T00:00:00.000
Nov:	No
Violation Classification:	Not reported
Underground Storage Tank Id:	105072
Container/Tank Id:	Not reported
Last Update:	2022-02-11T01:22:14.000
Inspection Date:	2014-02-24T08:55:00.000
Violation Code:	HMD3413 No pump shut-down or stop of flow at dispenser for UDC leak. 2636(f)(5)
Record ID:	DEH2002-HUPFP-105072
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-105072
Program Element:	Underground Storage Tank
Inspection Type:	Routine
Inspection Number:	4899979
Return To Compliance Date:	2014-02-24T00:00:00.000
Nov:	No
Violation Classification:	Not reported
Underground Storage Tank Id:	105072
Container/Tank Id:	Not reported
Last Update:	2022-02-11T01:22:14.000
Inspection Date:	2014-02-24T08:55:00.000
Violation Code:	2030026 Failure of line leak detector to detect a leak and/or failure of audible and visual alarm. 23 CCR 16 2636(f)(2), 2666.
Record ID:	DEH2002-HUPFP-105072
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-105072
Program Element:	Underground Storage Tank
Inspection Type:	Routine
Inspection Number:	6866435
Return To Compliance Date:	2022-02-03T00:00:00.000
Nov:	Yes
Violation Classification:	Not reported
Underground Storage Tank Id:	18886
Container/Tank Id:	Not reported
Last Update:	2022-02-11T01:22:14.000
Inspection Date:	2022-02-03T00:00:00.000
Violation Code:	2030017 (TCR 9d) Failure to meet one or more of the following monitoring requirements in lieu of the requirement to be tightness tested every 12 months: The monitoring system maintains all product piping outside the dispenser to be fail-safe and shut down the pump

CLARENCE OCHS OIL (Continued) **U001572195**

when a leak is detected. The monitoring system shuts down the pump or stops flow when a leak is detected in the under dispenser containment (UDC). 23 CCR 2636(f)

Record ID:	DEH2002-HUPFP-105072
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-105072
Program Element:	Underground Storage Tank
Inspection Type:	Routine
Inspection Number:	6866435
Return To Compliance Date:	2022-02-03T00:00:00.000
Nov:	Yes
Violation Classification:	Not reported
Underground Storage Tank Id:	18886
Container/Tank Id:	Not reported
Last Update:	2022-02-11T01:22:14.000
Inspection Date:	2022-02-03T00:00:00.000
Violation Code:	2030035 Failure to operate the UST system to prevent unauthorized releases including leaks, spills, and/or overfills. HSC 25292.1(a)

Record ID:	DEH2002-HUPFP-105072
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-105072
Program Element:	Hazardous Waste Generator
Inspection Type:	Routine
Inspection Number:	5824296
Return To Compliance Date:	2018-02-12T00:00:00.000
Nov:	No
Violation Classification:	Class II
Underground Storage Tank Id:	Not reported
Container/Tank Id:	Not reported
Last Update:	2022-02-11T01:22:14.000
Inspection Date:	2018-02-07T14:32:00.000
Violation Code:	3010002 Failed to obtain &/or maintain an active EPA ID Number. 22 CCR 66262.12(a)

Record ID:	DEH2002-HUPFP-105072
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-105072
Program Element:	Underground Storage Tank
Inspection Type:	Routine
Inspection Number:	5585264
Return To Compliance Date:	2017-02-10T00:00:00.000
Nov:	No
Violation Classification:	Class II
Underground Storage Tank Id:	18886
Container/Tank Id:	Not reported
Last Update:	2022-02-11T01:22:14.000
Inspection Date:	2017-02-10T15:46:00.000
Violation Code:	2030008 Failure to maintain under dispenser containment, sumps, and/or other secondary containment in good condition and/or free of debris/liquid. HSC 25290.1, 25290.2, 25291

Record ID:	DEH2002-HUPFP-105072

CLARENCE OCHS OIL (Continued) **U001572195**

Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-105072
Program Element:	Underground Storage Tank
Inspection Type:	Routine
Inspection Number:	5824296
Return To Compliance Date:	2018-02-12T00:00:00.000
Nov:	No
Violation Classification:	Not reported
Underground Storage Tank Id:	18888
Container/Tank Id:	Not reported
Last Update:	2022-02-11T01:22:14.000
Inspection Date:	2018-02-07T14:32:00.000
Violation Code:	2030013 Failure to comply with one or more of the following designated operator (DO) monthly inspection requirements: Be performed by an ICC certified DO. Inspect monthly alarm history report, check that alarms are documented and responded to appropriately, and attach a copy. Inspect for the presence of liquid/debris in spill containers. Inspect for the presence of liquid/debris in under dispenser containment (UDC) and ensure that the monitoring equipment is positioned correctly. Inspect for liquid or debris in containment sumps where an alarm occurred with no service visit. Check that all testing and maintenance has been completed and documented. Verify that all facility employees have been trained in accordance with 23 CCR 2715(f)(2), 2715(c)
Record ID:	DEH2002-HUPFP-105072
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-105072
Program Element:	Underground Storage Tank
Inspection Type:	Routine
Inspection Number:	6652007
Return To Compliance Date:	2021-02-03T00:00:00.000
Nov:	No
Violation Classification:	Class II
Underground Storage Tank Id:	18885
Container/Tank Id:	Not reported
Last Update:	2022-02-11T01:22:14.000
Inspection Date:	2021-02-03T00:00:00.000
Violation Code:	2030025 (TCR 9d) Failure of the line leak detector (LLD) monitoring pressurized piping to meet one or more of the following requirements: Monitored at least hourly. with the capability of detecting a release of 3.0 gallons per hour leak at 10 pounds per square inch and restrict or shut off the flow of product through the piping when a leak is detected. 23 CCR 2636(f)(2)
Record ID:	DEH2002-HUPFP-105072
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-105072
Program Element:	Underground Storage Tank
Inspection Type:	Routine
Inspection Number:	4088947
Return To Compliance Date:	2013-03-27T00:00:00.000
Nov:	No
Violation Classification:	Not reported

CLARENCE OCHS OIL (Continued) **U001572195**

Underground Storage Tank Id: 0
Container/Tank Id: Not reported
Last Update: 2022-02-11T01:22:14.000
Inspection Date: 2013-02-26T09:11:00.000
Violation Code: 2030008 Failure to maintain under-dispenser containment, sumps, and/or other secondary containment in good condition and/or free of debris/liquid. HSC 6.7 25290.1, 25290.2, 25291

UST DTL:
Record ID: DEH2002-HUPFP-105072
Permit Status: Permit Renewed
Active Permit: Y
Facility Id Number: 37-000-105072
Facility Type (Ust Facility): Fuel Distribution
Tank Owner Name: Southern Counties Lubricants,LLC
Tankid: 18888
Tank Status: Active
Date Ust Permanently Closed: Not reported
Tank Use: Motor Vehicle Fueling
Piping System Type: Pressure
Last Updated: 2022-02-11T01:22:14.000
Tank Capacityin Gallons: 10000
Tank Contents: Premium Unleaded
Type Of Tank: Double Wall

Record ID: DEH2002-HUPFP-105072
Permit Status: Permit Renewed
Active Permit: Y
Facility Id Number: 37-000-105072
Facility Type (Ust Facility): Fuel Distribution
Tank Owner Name: Southern Counties Lubricants,LLC
Tankid: 18885
Tank Status: Active
Date Ust Permanently Closed: Not reported
Tank Use: Motor Vehicle Fueling
Piping System Type: Pressure
Last Updated: 2022-02-11T01:22:14.000
Tank Capacityin Gallons: 15000
Tank Contents: Diesel
Type Of Tank: Double Wall

Record ID: DEH2002-HUPFP-105072
Permit Status: Permit Renewed
Active Permit: Y
Facility Id Number: 37-000-105072
Facility Type (Ust Facility): Fuel Distribution
Tank Owner Name: Southern Counties Lubricants,LLC
Tankid: 18886
Tank Status: Active
Date Ust Permanently Closed: Not reported
Tank Use: Motor Vehicle Fueling
Piping System Type: Pressure
Last Updated: 2022-02-11T01:22:14.000
Tank Capacityin Gallons: 15000
Tank Contents: Diesel
Type Of Tank: Double Wall

CLARENCE OCHS OIL (Continued) **U001572195**

Record ID:	DEH2002-HUPFP-105072
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-105072
Facility Type (Ust Facility):	Fuel Distribution
Tank Owner Name:	Southern Counties Lubricants,LLC
Tankid:	18887
Tank Status:	Active
Date Ust Permanently Closed:	Not reported
Tank Use:	Motor Vehicle Fueling
Piping System Type:	Pressure
Last Updated:	2022-02-11T01:22:14.000
Tank Capacityin Gallons:	10000
Tank Contents:	Regular Unleaded
Type Of Tank:	Double Wall

Waste and Materials:

Record ID:	DEH2002-HUPFP-105072
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2018-HWAST-0147511
Trade Secret:	N
Hazardous Material Type:	Not reported
Last Updated:	2018-10-25T20:14:28.000
Chemical Name:	WASTE 352 ORGANIC SOLIDS (OTHER) absorbant
Common Name:	SOLIDS MIX WITH USED OIL
Case Number:	Not reported

Record ID:	DEH2002-HUPFP-105072
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2018-HCHEM-0173270
Trade Secret:	N
Hazardous Material Type:	Pure
Last Updated:	2018-10-25T20:14:28.000
Chemical Name:	SUPER UNLEADED
Common Name:	UNDERGROUND TANK 105072 T010
Case Number:	Not reported

Record ID:	DEH2002-HUPFP-105072
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2019-HWAST-0183994
Trade Secret:	N
Hazardous Material Type:	Not reported
Last Updated:	2020-02-14T05:33:58.000
Chemical Name:	WASTE 352 ORGANIC SOLIDS (OTHER) absorbant
Common Name:	SOLIDS MIX WITH USED OIL
Case Number:	Not reported

Record ID:	DEH2002-HUPFP-105072
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2017-HCHEM-0131962
Trade Secret:	N
Hazardous Material Type:	Pure
Last Updated:	2017-06-02T02:32:19.000

CLARENCE OCHS OIL (Continued) **U001572195**

Chemical Name: REGULAR UNLEADED
Common Name: UNDERGROUND TANK 105072 T009
Case Number: Not reported

Record ID: DEH2002-HUPFP-105072
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HCHEM-0131963
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2017-06-02T02:32:19.000
Chemical Name: SUPER UNLEADED
Common Name: UNDERGROUND TANK 105072 T010
Case Number: Not reported

Record ID: DEH2002-HUPFP-105072
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HCHEM-0131964
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2017-06-02T02:32:19.000
Chemical Name: DIESEL
Common Name: UNDERGROUND TANK 105072 T007
Case Number: Not reported

Record ID: DEH2002-HUPFP-105072
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HCHEM-0131965
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2017-06-02T02:32:19.000
Chemical Name: DIESEL
Common Name: UNDERGROUND TANK 105072 T008
Case Number: Not reported

Record ID: DEH2002-HUPFP-105072
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HCHEM-0131966
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2017-06-02T02:32:19.000
Chemical Name: Diesel Exhaust Fluid (DEF)
Common Name: Diesel Exhaust Fluid
Case Number: Not reported

Record ID: DEH2002-HUPFP-105072
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HWAST-0110412
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2017-06-02T02:32:19.000
Chemical Name: WASTE 352 ORGANIC SOLIDS (OTHER) absorbant
Common Name: SOLIDS MIX WITH USED OIL

CLARENCE OCHS OIL (Continued) **U001572195**

Case Number: Not reported

Record ID: DEH2002-HUPFP-105072
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0173269
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2018-10-25T20:14:28.000
Chemical Name: REGULAR UNLEADED
Common Name: UNDERGROUND TANK 105072 T009
Case Number: Not reported

Record ID: DEH2002-HUPFP-105072
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0173271
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2018-10-25T20:14:28.000
Chemical Name: DIESEL
Common Name: UNDERGROUND TANK 105072 T007
Case Number: Not reported

Record ID: DEH2002-HUPFP-105072
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0173272
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2018-10-25T20:14:28.000
Chemical Name: DIESEL
Common Name: UNDERGROUND TANK 105072 T008
Case Number: Not reported

Record ID: DEH2002-HUPFP-105072
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0173273
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2018-10-25T20:14:28.000
Chemical Name: Diesel Exhaust Fluid (DEF)
Common Name: Diesel Exhaust Fluid
Case Number: Not reported

Record ID: DEH2002-HUPFP-105072
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2021-HCHEM-0293594
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2022-02-11T01:22:14.000
Chemical Name: DIESEL
Common Name: Diesel Fuel
Case Number: 68334-30-5

CLARENCE OCHS OIL (Continued) **U001572195**

Record ID: DEH2002-HUPFP-105072
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2021-HCHEM-0293595
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2022-02-11T01:22:14.000
Chemical Name: Diesel Exhaust Fluid (DEF)
Common Name: Diesel Exhaust Fluid
Case Number: Not reported

Record ID: DEH2002-HUPFP-105072
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2021-HWAST-0262413
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2022-02-11T01:22:14.000
Chemical Name: WASTE 352 ORGANIC SOLIDS (OTHER) absorbant
Common Name: SOLIDS MIX WITH USED OIL
Case Number: Not reported

Record ID: DEH2002-HUPFP-105072
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2021-HWAST-0262414
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2022-02-11T01:22:14.000
Chemical Name: Oily Waste Water
Common Name: Oily Waste Water
Case Number: Not reported

Record ID: DEH2002-HUPFP-105072
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2019-HCHEM-0211758
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2020-02-14T05:33:58.000
Chemical Name: REGULAR UNLEADED
Common Name: UNDERGROUND TANK 105072 T009
Case Number: Not reported

Record ID: DEH2002-HUPFP-105072
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0200013
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2018-11-16T00:43:03.000
Chemical Name: REGULAR UNLEADED
Common Name: UNDERGROUND TANK 105072 T009
Case Number: Not reported

Record ID: DEH2002-HUPFP-105072
Permit Status: Permit Renewed

CLARENCE OCHS OIL (Continued) **U001572195**

Active Permit: Y
Child Record Id: DEH2018-HCHEM-0200014
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2018-11-16T00:43:03.000
Chemical Name: SUPER UNLEADED
Common Name: UNDERGROUND TANK 105072 T010
Case Number: Not reported

Record ID: DEH2002-HUPFP-105072
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0200015
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2018-11-16T00:43:03.000
Chemical Name: DIESEL
Common Name: UNDERGROUND TANK 105072 T007
Case Number: Not reported

Record ID: DEH2002-HUPFP-105072
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0200016
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2018-11-16T00:43:03.000
Chemical Name: DIESEL
Common Name: UNDERGROUND TANK 105072 T008
Case Number: Not reported

Record ID: DEH2002-HUPFP-105072
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0200017
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2018-11-16T00:43:03.000
Chemical Name: Diesel Exhaust Fluid (DEF)
Common Name: Diesel Exhaust Fluid
Case Number: Not reported

Record ID: DEH2002-HUPFP-105072
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HWAST-0172434
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2018-11-16T00:43:03.000
Chemical Name: WASTE 352 ORGANIC SOLIDS (OTHER) absorbant
Common Name: SOLIDS MIX WITH USED OIL
Case Number: Not reported

Record ID: DEH2002-HUPFP-105072
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2019-HCHEM-0211761

CLARENCE OCHS OIL (Continued) **U001572195**

Trade Secret:	N
Hazardous Material Type:	Pure
Last Updated:	2020-02-14T05:33:58.000
Chemical Name:	DIESEL
Common Name:	UNDERGROUND TANK 105072 T008
Case Number:	Not reported
Record ID:	DEH2002-HUPFP-105072
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2019-HCHEM-0211762
Trade Secret:	N
Hazardous Material Type:	Pure
Last Updated:	2020-02-14T05:33:58.000
Chemical Name:	Diesel Exhaust Fluid (DEF)
Common Name:	Diesel Exhaust Fluid
Case Number:	Not reported
Record ID:	DEH2002-HUPFP-105072
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2017-HCHEM-0160394
Trade Secret:	N
Hazardous Material Type:	Pure
Last Updated:	2017-10-28T00:51:51.000
Chemical Name:	REGULAR UNLEADED
Common Name:	UNDERGROUND TANK 105072 T009
Case Number:	Not reported
Record ID:	DEH2002-HUPFP-105072
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2017-HCHEM-0160395
Trade Secret:	N
Hazardous Material Type:	Pure
Last Updated:	2017-10-28T00:51:51.000
Chemical Name:	SUPER UNLEADED
Common Name:	UNDERGROUND TANK 105072 T010
Case Number:	Not reported
Record ID:	DEH2002-HUPFP-105072
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2017-HCHEM-0160396
Trade Secret:	N
Hazardous Material Type:	Pure
Last Updated:	2017-10-28T00:51:51.000
Chemical Name:	DIESEL
Common Name:	UNDERGROUND TANK 105072 T007
Case Number:	Not reported
Record ID:	DEH2002-HUPFP-105072
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2017-HCHEM-0160397
Trade Secret:	N
Hazardous Material Type:	Pure

CLARENCE OCHS OIL (Continued) **U001572195**

Last Updated: 2017-10-28T00:51:51.000
Chemical Name: DIESEL
Common Name: UNDERGROUND TANK 105072 T008
Case Number: Not reported

Record ID: DEH2002-HUPFP-105072
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HCHEM-0160398
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2017-10-28T00:51:51.000
Chemical Name: Diesel Exhaust Fluid (DEF)
Common Name: Diesel Exhaust Fluid
Case Number: Not reported

Record ID: DEH2002-HUPFP-105072
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HWAST-0135860
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2017-10-28T00:51:52.000
Chemical Name: WASTE 352 ORGANIC SOLIDS (OTHER) absorbant
Common Name: SOLIDS MIX WITH USED OIL
Case Number: Not reported

Record ID: DEH2002-HUPFP-105072
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2019-HCHEM-0211759
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2020-02-14T05:33:58.000
Chemical Name: SUPER UNLEADED
Common Name: UNDERGROUND TANK 105072 T010
Case Number: Not reported

Record ID: DEH2002-HUPFP-105072
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2019-HCHEM-0211760
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2020-02-14T05:33:58.000
Chemical Name: DIESEL
Common Name: UNDERGROUND TANK 105072 T007
Case Number: Not reported

Record ID: DEH2002-HUPFP-105072
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2021-HCHEM-0293593
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2022-02-11T01:22:14.000
Chemical Name: UNLEADED

CLARENCE OCHS OIL (Continued) **U001572195**

Common Name: Unleaded Fuel
Case Number: 8006-61-9

Name: CLARENCE OCHS OIL
Address: 145 VIA VERA CRUZ
City,State,Zip: SAN MARCOS, CA 92078
Permit Number: 105072
Business Type: 6HK24
EPA Id Number: CAL000126880
APN: 219-152-60-00
Last HMMD Inspection: 03/06/2012
Facility Telephone: 760-744-5441
Permit Status: OPEN
Permit Expiration: 04/30/2013
Date Last Updated: 11/02/2012
Facility Owner: CLARENCE OCHS OIL
Facility Mailing Address: P.O. BOX 230925
Facility Mailing City: ENCINITAS
Facility Mailing State: CA
Facility Mailing Zip: 92023-0925
UST Owner: CLARENCE OCHS, INC
Handle Regulated Hazmat: Y
Own Or Operate UST: Y
Subject To APSA: Y
Generate Haz Waste: Y
Treat Haz Waste: Not reported
Generate Medical Waste: Not reported

Inventory Active Permits (not SQG Medical):
Permit Number: 105072
Update Date: 11/02/2012
Case Number: 67-64-1
Name: ACETONE
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: ACUTE

Permit Number: 105072
Update Date: 11/02/2012
Case Number: 107-21-1
Name: ANTIFREEZE- ETHYLENE GLYCOL
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: ACUTE
Hazardous Categories 2: Not reported

Permit Number: 105072
Update Date: 11/02/2012
Case Number: 8008-20-6
Name: CHEVRON PEARL KEROSENE
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: ACUTE

Permit Number: 105072

CLARENCE OCHS OIL (Continued) **U001572195**

Update Date:	11/02/2012
Case Number:	Not reported
Name:	DIESEL
Other Information:	UNDERGROUND TANK 105072 T007
Material Waste:	Material
Hazardous Categories 1:	FIRE
Hazardous Categories 2:	Not reported
Permit Number:	105072
Update Date:	11/02/2012
Case Number:	Not reported
Name:	DIESEL
Other Information:	UNDERGROUND TANK 105072 T008
Material Waste:	Material
Hazardous Categories 1:	FIRE
Hazardous Categories 2:	Not reported
Permit Number:	105072
Update Date:	11/02/2012
Case Number:	8002-05-9
Name:	MOTOR OILS & DIFFERENT GRADES
Other Information:	INDUSTRIAL OILS SUCH AS HYDRAULIC OILS CUTT
Material Waste:	Material
Hazardous Categories 1:	FIRE
Hazardous Categories 2:	ACUTE
Permit Number:	105072
Update Date:	11/02/2012
Case Number:	Not reported
Name:	REGULAR UNLEADED
Other Information:	UNDERGROUND TANK 105072 T009
Material Waste:	Material
Hazardous Categories 1:	FIRE
Hazardous Categories 2:	Not reported
Permit Number:	105072
Update Date:	11/02/2012
Case Number:	8052-41-3
Name:	STODDARD SOLVENT
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	FIRE
Hazardous Categories 2:	ACUTE
Permit Number:	105072
Update Date:	11/02/2012
Case Number:	Not reported
Name:	SUPER UNLEADED
Other Information:	UNDERGROUND TANK 105072 T010
Material Waste:	Material
Hazardous Categories 1:	FIRE
Hazardous Categories 2:	Not reported
Permit Number:	105072
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 221 WASTE OIL & MIXED OIL

CLARENCE OCHS OIL (Continued) **U001572195**

Other Information: USED OIL
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 105072
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 222 OIL/WATER SEPARATION SLUDGE
Other Information: Not reported
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 105072
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 342 ORGANIC LIQUIDS W/METALS
Other Information: ANTIFREEZE
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 105072
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 352 ORGANIC SOLIDS (OTHER)
Other Information: SOLIDS MIX WITH USED OIL
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 105072
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 888 USED OIL FILTERS
Other Information: USED OIL FILTERS
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Violations Active Permits:
Permit Number: 105072
Update Date: 11/02/2012
Inspection Date: 02/10/2009
Violation Code: 6HV3411
Violation: LLD NOT INSTALLED/NOT FUNCTIONAL
Violation Citation: DOUBLE WALLED PRESSURIZED PIPING-Including Under Dispenser Containment (UDC):Line leak detector is not installed, not functional, or not tested. 2636(f)(2), 25284.1(a)(4)(C), 2641(j)
Activity: ACTIVE

Permit Number: 105072
Update Date: 11/02/2012
Inspection Date: 01/20/2005
Violation Code: 6HV3158
Violation: ALL OPERATING CONDITIONS NOT MET

CLARENCE OCHS OIL (Continued) **U001572195**

Violation Citation:	All permit operating conditions not met. 25284; 2712
Activity:	ACTIVE
Permit Number:	105072
Update Date:	11/02/2012
Inspection Date:	01/20/2005
Violation Code:	6HV3256
Violation:	NO FUNCTIONAL DRAIN BOX/BACKUP
Violation Citation:	Fill box drain not functional and backup system is not available. 2635(b)(1)(C)
Activity:	ACTIVE
Permit Number:	105072
Update Date:	11/02/2012
Inspection Date:	01/20/2005
Violation Code:	6HV3256
Violation:	NO FUNCTIONAL DRAIN BOX/BACKUP
Violation Citation:	Fill box drain not functional and backup system is not available. 2635(b)(1)(C)
Activity:	ACTIVE
Permit Number:	105072
Update Date:	11/02/2012
Inspection Date:	01/20/2005
Violation Code:	6HV3256
Violation:	NO FUNCTIONAL DRAIN BOX/BACKUP
Violation Citation:	Fill box drain not functional and backup system is not available. 2635(b)(1)(C)
Activity:	ACTIVE
Permit Number:	105072
Update Date:	11/02/2012
Inspection Date:	01/20/2005
Violation Code:	6HV3256
Violation:	NO FUNCTIONAL DRAIN BOX/BACKUP
Violation Citation:	Fill box drain not functional and backup system is not available. 2635(b)(1)(C)
Activity:	ACTIVE
Permit Number:	105072
Update Date:	11/02/2012
Inspection Date:	02/10/2010
Violation Code:	6HV5301
Violation:	SPCC CHANGES NOT IMPLEMENTED. W/I 6 MOS
Violation Citation:	The facility is subject to the Aboveground Petroleum Storage Act (APSA) and failed to implement Spill Prevention Control and Countermeasures Plan review changes or amendment changes, or both, within six months. 25270.4.5(a), 25270.5 & 25270.12(a) [ref. CFR 112.5(a), (d)]
Activity:	ACTIVE
Permit Number:	105072
Update Date:	11/02/2012
Inspection Date:	02/10/2010
Violation Code:	6HV3193
Violation:	NO TRAINING/RECORD INCOMPLETE-NOT ONSITE
Violation Citation:	Facility employee(s) are not trained, training records are incomplete,

CLARENCE OCHS OIL (Continued) **U001572195**

and/or not onsite. 2715(f)
Activity: ACTIVE

Permit Number: 105072
Update Date: 11/02/2012
Inspection Date: 01/17/2006
Violation Code: 6HV3152
Violation: ALL MAINT/MONITOR RECORDS NOT AVAILABLE
Violation Citation: All maintenance/monitoring/calibration/ repair records not available. 25293; 2712 (b)
Activity: ACTIVE

UST:
UST Name: UNDERGROUND TANK 105072 T001
Last Update: 2012-11-02 14:17:38
Permit Number: 105072
Tank Type: SINGLE WALL IN VAULT
Additional Id: 1
Capacity Gallons: 12000
UST Contents: DIESEL
Other Content Info: DIESEL
Reg Status: REMOVED
Remove Close Date: 1998-07-30 00:00:00
Year Installed: 1974-01-01 00:00:00
Pipe Type: SINGLE WALL
Delivery System: PRESSURE
Monitor Code: 13
UST Monitor Method: SW TANK W/ CERT ATG SW PRESSURE PIPE W/ SHUTOFF LLD + CERT ATG: IN-TANK TEST MONTHLY, PIPE TEST ANN 0.1 G/HR OR MO 0.2 G/HR

UST Name: UNDERGROUND TANK 105072 T002
Last Update: 2012-11-02 14:17:38
Permit Number: 105072
Tank Type: SINGLE WALL
Additional Id: 5
Capacity Gallons: 4000
UST Contents: DIESEL
Other Content Info: DIESEL
Reg Status: REMOVED
Remove Close Date: 1998-07-30 00:00:00
Year Installed: 1974-01-01 00:00:00
Pipe Type: Not reported
Delivery System: Not reported
Monitor Code: 90
UST Monitor Method: NO MONITORING ALTERNATIVE SELECTED. VERIFY AND ENTER MONITORING ALTERNATIVE DURING INSPECTION.

UST Name: UNDERGROUND TANK 105072 T003
Last Update: 2012-11-02 14:17:38
Permit Number: 105072
Tank Type: SINGLE WALL IN VAULT
Additional Id: 4
Capacity Gallons: 12000
UST Contents: REGULAR UNLEADED
Other Content Info: REGULAR UNLEADED
Reg Status: REMOVED
Remove Close Date: Not reported

CLARENCE OCHS OIL (Continued) **U001572195**

Year Installed:	Not reported
Pipe Type:	SINGLE WALL
Delivery System:	PRESSURE
Monitor Code:	13
UST Monitor Method:	SW TANK W/ CERT ATG SW PRESSURE PIPE W/ SHUTOFF LLD + CERT ATG: IN-TANK TEST MONTHLY, PIPE TEST ANN 0.1 G/HR OR MO 0.2 G/HR
UST Name:	UNDERGROUND TANK 105072 T004
Last Update:	2012-11-02 14:17:38
Permit Number:	105072
Tank Type:	SINGLE WALL IN VAULT
Additional Id:	3
Capacity Gallons:	12000
UST Contents:	REGULAR UNLEADED
Other Content Info:	REGULAR UNLEADED
Reg Status:	REMOVED
Remove Close Date:	1998-07-30 00:00:00
Year Installed:	1974-01-01 00:00:00
Pipe Type:	SINGLE WALL
Delivery System:	PRESSURE
Monitor Code:	13
UST Monitor Method:	SW TANK W/ CERT ATG SW PRESSURE PIPE W/ SHUTOFF LLD + CERT ATG: IN-TANK TEST MONTHLY, PIPE TEST ANN 0.1 G/HR OR MO 0.2 G/HR
UST Name:	UNDERGROUND TANK 105072 T005
Last Update:	2012-11-02 14:17:38
Permit Number:	105072
Tank Type:	SINGLE WALL IN VAULT
Additional Id:	2
Capacity Gallons:	12000
UST Contents:	REGULAR UNLEADED
Other Content Info:	REGULAR UNLEADED
Reg Status:	REMOVED
Remove Close Date:	1998-07-30 00:00:00
Year Installed:	1974-01-01 00:00:00
Pipe Type:	SINGLE WALL
Delivery System:	PRESSURE
Monitor Code:	05
UST Monitor Method:	SW TANK DW PIPE W/ POS SHUTOFF-ALARM ON LLD W/ SIRS:SIR ANALY MONTHLY, TANK TEST BIENNIALLY, PIPE TEST ANN 0.1 G/HR OR MO 0.2 G/HR
UST Name:	UNDERGROUND TANK 105072 T006
Last Update:	2012-11-02 14:17:38
Permit Number:	105072
Tank Type:	DOUBLE WALL
Additional Id:	0000000001
Capacity Gallons:	4000
UST Contents:	Not reported
Other Content Info:	SEE FILE FOR CONTENTS
Reg Status:	REMOVED
Remove Close Date:	Not reported
Year Installed:	1974-01-01 00:00:00
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	90
UST Monitor Method:	NO MONITORING ALTERNATIVE SELECTED. VERIFY AND ENTER MONITORING ALTERNATIVE DURING INSPECTION.

CLARENCE OCHS OIL (Continued) **U001572195**

UST Name:	UNDERGROUND TANK 105072 T007
Last Update:	2012-11-02 14:17:38
Permit Number:	105072
Tank Type:	DOUBLE WALL
Additional Id:	NT2042, RT3097
Capacity Gallons:	15000
UST Contents:	DIESEL
Other Content Info:	DIESEL
Reg Status:	ACTIVE
Remove Close Date:	Not reported
Year Installed:	1998-01-01 00:00:00
Pipe Type:	DOUBLE WALL
Delivery System:	PRESSURE
Monitor Code:	31B
UST Monitor Method:	DW TANK, DW PRESSURIZED PIPE W/ DRY TANK ANNULAR; POSITIVE SHUT-OFF & FAILSAFE, 3.0 LLD; UDC W/ MECHANICAL FLOAT

UST Name:	UNDERGROUND TANK 105072 T008
Last Update:	2012-11-02 14:17:38
Permit Number:	105072
Tank Type:	DOUBLE WALL
Additional Id:	NT2042, RT3097
Capacity Gallons:	15000
UST Contents:	DIESEL
Other Content Info:	DIESEL
Reg Status:	ACTIVE
Remove Close Date:	Not reported
Year Installed:	1998-01-01 00:00:00
Pipe Type:	DOUBLE WALL
Delivery System:	PRESSURE
Monitor Code:	31B
UST Monitor Method:	DW TANK, DW PRESSURIZED PIPE W/ DRY TANK ANNULAR; POSITIVE SHUT-OFF & FAILSAFE, 3.0 LLD; UDC W/ MECHANICAL FLOAT

UST Name:	UNDERGROUND TANK 105072 T009
Last Update:	2012-11-02 14:17:38
Permit Number:	105072
Tank Type:	DOUBLE WALL
Additional Id:	NT2042, RT3097
Capacity Gallons:	10000
UST Contents:	REGULAR UNLEADED
Other Content Info:	REGULAR UNLEADED
Reg Status:	ACTIVE
Remove Close Date:	Not reported
Year Installed:	1998-01-01 00:00:00
Pipe Type:	DOUBLE WALL
Delivery System:	PRESSURE
Monitor Code:	31B
UST Monitor Method:	DW TANK, DW PRESSURIZED PIPE W/ DRY TANK ANNULAR; POSITIVE SHUT-OFF & FAILSAFE, 3.0 LLD; UDC W/ MECHANICAL FLOAT

UST Name:	UNDERGROUND TANK 105072 T010
Last Update:	2012-11-02 14:17:38
Permit Number:	105072
Tank Type:	DOUBLE WALL
Additional Id:	NT2042, RT3097
Capacity Gallons:	10000

CLARENCE OCHS OIL (Continued) **U001572195**

UST Contents:	PREMIUM UNLEADED
Other Content Info:	PREMIUM UNLEADED
Reg Status:	ACTIVE
Remove Close Date:	Not reported
Year Installed:	1998-01-01 00:00:00
Pipe Type:	DOUBLE WALL
Delivery System:	PRESSURE
Monitor Code:	31B
UST Monitor Method:	DW TANK, DW PRESSURIZED PIPE W/ DRY TANK ANNULAR; POSITIVE SHUT-OFF & FAILSAFE, 3.0 LLD; UDC W/ MECHANICAL FLOAT

UST Name:	UNDERGROUND TANK 105072 T011
Last Update:	2012-11-02 14:17:38
Permit Number:	105072
Tank Type:	DOUBLE WALL
Additional Id:	NT2042
Capacity Gallons:	4000
UST Contents:	Not reported
Other Content Info:	OTHER - SPECIFY
Reg Status:	EXEMPT
Remove Close Date:	Not reported
Year Installed:	Not reported
Pipe Type:	SINGLE WALL
Delivery System:	GRAVITY
Monitor Code:	99
UST Monitor Method:	OTHER - BLIND REMARK REQUIRED

CERS HAZ WASTE:

Name:	SOUTHERN COUNTIES LUBRICANTS, LLC
Address:	145 VIA VERA CRUZ
City,State,Zip:	SAN MARCOS, CA 92078
Site ID:	106594
CERS ID:	10375627
CERS Description:	Hazardous Waste Generator

SWEEPS UST:

Name:	CLARENCE OCHS OIL
Address:	145 VIA VERA CRUZ
City:	SAN MARCOS
Status:	Active
Comp Number:	5072
Number:	9
Board Of Equalization:	44-022162
Referral Date:	Not reported
Action Date:	06-26-92
Created Date:	02-29-88
Owner Tank Id:	Not reported
SWRCB Tank Id:	37-000-005072-000001
Tank Status:	A
Capacity:	12000
Active Date:	Not reported
Tank Use:	M.V. FUEL
STG:	P
Content:	OTHER
Number Of Tanks:	6

CLARENCE OCHS OIL (Continued) **U001572195**

Name:	CLARENCE OCHS OIL
Address:	145 VIA VERA CRUZ
City:	SAN MARCOS
Status:	Active
Comp Number:	5072
Number:	9
Board Of Equalization:	44-022162
Referral Date:	Not reported
Action Date:	06-26-92
Created Date:	02-29-88
Owner Tank Id:	Not reported
SWRCB Tank Id:	37-000-005072-000002
Tank Status:	A
Capacity:	6000
Active Date:	Not reported
Tank Use:	M.V. FUEL
STG:	W
Content:	OTHER
Number Of Tanks:	Not reported

Name:	CLARENCE OCHS OIL
Address:	145 VIA VERA CRUZ
City:	SAN MARCOS
Status:	Active
Comp Number:	5072
Number:	9
Board Of Equalization:	44-022162
Referral Date:	Not reported
Action Date:	06-26-92
Created Date:	02-29-88
Owner Tank Id:	Not reported
SWRCB Tank Id:	37-000-005072-000003
Tank Status:	A
Capacity:	12000
Active Date:	Not reported
Tank Use:	M.V. FUEL
STG:	P
Content:	LEADED
Number Of Tanks:	Not reported

Name:	CLARENCE OCHS OIL
Address:	145 VIA VERA CRUZ
City:	SAN MARCOS
Status:	Active
Comp Number:	5072
Number:	9
Board Of Equalization:	44-022162
Referral Date:	Not reported
Action Date:	06-26-92
Created Date:	02-29-88
Owner Tank Id:	Not reported
SWRCB Tank Id:	37-000-005072-000004
Tank Status:	A
Capacity:	12000
Active Date:	Not reported
Tank Use:	M.V. FUEL
STG:	P

CLARENCE OCHS OIL (Continued) **U001572195**

Content: REG UNLEADED
Number Of Tanks: Not reported

Name: CLARENCE OCHS OIL
Address: 145 VIA VERA CRUZ
City: SAN MARCOS
Status: Active
Comp Number: 5072
Number: 9
Board Of Equalization: 44-022162
Referral Date: Not reported
Action Date: 06-26-92
Created Date: 02-29-88
Owner Tank Id: Not reported
SWRCB Tank Id: 37-000-005072-000005
Tank Status: A
Capacity: 12000
Active Date: Not reported
Tank Use: M.V. FUEL
STG: P
Content: REG UNLEADED
Number Of Tanks: Not reported

Name: CLARENCE OCHS OIL
Address: 145 VIA VERA CRUZ
City: SAN MARCOS
Status: Active
Comp Number: 5072
Number: 9
Board Of Equalization: 44-022162
Referral Date: Not reported
Action Date: 06-26-92
Created Date: 02-29-88
Owner Tank Id: Not reported
SWRCB Tank Id: 37-000-005072-000006
Tank Status: A
Capacity: Not reported
Active Date: Not reported
Tank Use: CHEMICAL
STG: P
Content: Not reported
Number Of Tanks: Not reported

HIST UST:
Name: CLARENCE OCHS OIL
Address: 145 VIA VERA CRUZ
City,State,Zip: SAN MARCOS, CA 92069
File Number: 0002AFB7
URL: http://geotracker.waterboards.ca.gov/ustpdfs/pdf/0002AFB7.pdf
Region: STATE
Facility ID: 00000002183
Facility Type: Other
Other Type: BULK PLANT
Contact Name: CLARENCE OCHS
Telephone: 6197445441
Owner Name: CLARENCE OCHS
Owner Address: 145 VIA VERA CRUZ

CLARENCE OCHS OIL (Continued) **U001572195**

Owner City,St,Zip:	SAN MARCOS, CA 92069
Total Tanks:	0006
Tank Num:	001
Container Num:	1
Year Installed:	1974
Tank Capacity:	00012000
Tank Used for:	PRODUCT
Type of Fuel:	DIESEL
Container Construction Thickness:	1/4"
Leak Detection:	Stock Inventor
Tank Num:	002
Container Num:	5
Year Installed:	1974
Tank Capacity:	00006000
Tank Used for:	WASTE
Type of Fuel:	DIESEL
Container Construction Thickness:	1/4"
Leak Detection:	None
Tank Num:	003
Container Num:	4
Year Installed:	Not reported
Tank Capacity:	00012000
Tank Used for:	PRODUCT
Type of Fuel:	REGULAR
Container Construction Thickness:	1/4"
Leak Detection:	Stock Inventor
Tank Num:	004
Container Num:	3
Year Installed:	1974
Tank Capacity:	00012000
Tank Used for:	PRODUCT
Type of Fuel:	UNLEADED
Container Construction Thickness:	1/4"
Leak Detection:	Stock Inventor
Tank Num:	005
Container Num:	2
Year Installed:	1974
Tank Capacity:	00012000
Tank Used for:	PRODUCT
Type of Fuel:	UNLEADED
Container Construction Thickness:	1/4"
Leak Detection:	Stock Inventor
Tank Num:	006
Container Num:	0000000001
Year Installed:	1974
Tank Capacity:	00000000
Tank Used for:	PRODUCT
Type of Fuel:	Not reported
Container Construction Thickness:	Not reported
Leak Detection:	None

CLARENCE OCHS OIL (Continued) **U001572195**

Click here for Geo Tracker PDF:

CERS TANKS:

Name:	SOUTHERN COUNTIES LUBRICANTS, LLC
Address:	145 VIA VERA CRUZ
City,State,Zip:	SAN MARCOS, CA 92078
Site ID:	106594
CERS ID:	10375627
CERS Description:	Underground Storage Tank

CORTESE:

Name:	CLARENCE OCHS OIL
Address:	145 VIA VERA CRUZ
City,State,Zip:	SAN MARCOS, CA 920692615
Region:	CORTESE
Envirostor Id:	Not reported
Global ID:	T0607302416
Site/Facility Type:	LUST CLEANUP SITE
Cleanup Status:	COMPLETED - CASE CLOSED
Status Date:	Not reported
Site Code:	Not reported
Latitude:	Not reported
Longitude:	Not reported
Owner:	Not reported
Enf Type:	Not reported
Swat R:	Not reported
Flag:	active
Order No:	Not reported
Waste Discharge System No:	Not reported
Effective Date:	Not reported
Region 2:	Not reported
WID Id:	Not reported
Solid Waste Id No:	Not reported
Waste Management Uit Name:	Not reported
File Name:	Active Open

EMI:

Name:	CLARENCE OCHS OIL
Address:	145 VIA VERA CRUZ S
City,State,Zip:	SAN MARCOS, CA 92069
Year:	2000
County Code:	37
Air Basin:	SD
Facility ID:	3712
Air District Name:	SD
SIC Code:	5172
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	1
Reactive Organic Gases Tons/Yr:	1
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

CLARENCE OCHS OIL (Continued) **U001572195**

Name:	CLARENCE OCHS OIL
Address:	145 VIA VERA CRUZ S
City,State,Zip:	SAN MARCOS, CA 92069
Year:	2001
County Code:	37
Air Basin:	SD
Facility ID:	3712
Air District Name:	SD
SIC Code:	5172
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	1
Reactive Organic Gases Tons/Yr:	1
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Name:	CLARENCE OCHS OIL
Address:	145 VIA VERA CRUZ S
City,State,Zip:	SAN MARCOS, CA 92069
Year:	2002
County Code:	37
Air Basin:	SD
Facility ID:	3712
Air District Name:	SD
SIC Code:	5172
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	1
Reactive Organic Gases Tons/Yr:	1
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Name:	CLARENCE OCHS OIL
Address:	145 VIA VERA CRUZ S
City,State,Zip:	SAN MARCOS, CA 92069
Year:	2003
County Code:	37
Air Basin:	SD
Facility ID:	3712
Air District Name:	SD
SIC Code:	5172
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	1
Reactive Organic Gases Tons/Yr:	1
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0

CLARENCE OCHS OIL (Continued) **U001572195**

Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smllr Tons/Yr: 0

Name: CLARENCE OCHS OIL
Address: 145 VIA VERA CRUZ S
City,State,Zip: SAN MARCOS, CA 92069
Year: 2004
County Code: 37
Air Basin: SD
Facility ID: 3712
Air District Name: SD
SIC Code: 5172
Air District Name: SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 0.81189346
Reactive Organic Gases Tons/Yr: 0.81189346
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smllr Tons/Yr: 0

Name: CLARENCE OCHS OIL
Address: 145 VIA VERA CRUZ S
City,State,Zip: SAN MARCOS, CA 92069
Year: 2005
County Code: 37
Air Basin: SD
Facility ID: 3712
Air District Name: SD
SIC Code: 5172
Air District Name: SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: .81189346
Reactive Organic Gases Tons/Yr: .81189346
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smllr Tons/Yr: 0

Name: OCHS CLARENCE OIL
Address: 145 VIA VERA CRUZ S
City,State,Zip: SAN MARCOS, CA 92069
Year: 2006
County Code: 37
Air Basin: SD
Facility ID: 3712
Air District Name: SD
SIC Code: 5541
Air District Name: SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: .71
Reactive Organic Gases Tons/Yr: .71

CLARENCE OCHS OIL (Continued) **U001572195**

Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Name:	OCHS CLARENCE OIL
Address:	145 VIA VERA CRUZ S
City,State,Zip:	SAN MARCOS, CA 93454
Year:	2007
County Code:	37
Air Basin:	SD
Facility ID:	3712
Air District Name:	SD
SIC Code:	5541
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	.71
Reactive Organic Gases Tons/Yr:	.71
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Name:	OCHS CLARENCE OIL
Address:	145 VIA VERA CRUZ S
City,State,Zip:	SAN MARCOS, CA 92069
Year:	2008
County Code:	37
Air Basin:	SD
Facility ID:	3712
Air District Name:	SD
SIC Code:	5541
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	.71
Reactive Organic Gases Tons/Yr:	.71
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Name:	OCHS CLARENCE OIL
Address:	145 VIA VERA CRUZ S
City,State,Zip:	SAN MARCOS, CA 92069
Year:	2009
County Code:	37
Air Basin:	SD
Facility ID:	3712
Air District Name:	SD
SIC Code:	5541
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported

CLARENCE OCHS OIL (Continued) **U001572195**

Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0.70999999999999996
Reactive Organic Gases Tons/Yr:	0.70999999999999996
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Name:	OCHS CLARENCE OIL
Address:	145 VIA VERA CRUZ S
City,State,Zip:	SAN MARCOS, CA 92069
Year:	2010
County Code:	37
Air Basin:	SD
Facility ID:	3712
Air District Name:	SD
SIC Code:	5541
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0.70999999999999996
Reactive Organic Gases Tons/Yr:	0.70999999999999996
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Name:	OCHS CLARENCE OIL
Address:	145VIA VERA CRUZ S
City,State,Zip:	SAN MARCOS, CA 92069
Year:	2011
County Code:	37
Air Basin:	SD
Facility ID:	3712
Air District Name:	SD
SIC Code:	5541
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0.71
Reactive Organic Gases Tons/Yr:	0.71
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Name:	OCHS CLARENCE OIL
Address:	145VIA VERA CRUZ S
City,State,Zip:	SAN MARCOS, CA 92069
Year:	2012
County Code:	37
Air Basin:	SD
Facility ID:	3712
Air District Name:	SD

CLARENCE OCHS OIL (Continued) **U001572195**

SIC Code:	5541
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0.71
Reactive Organic Gases Tons/Yr:	0.71
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Name:	OCHS CLARENCE OIL
Address:	145VIA VERA CRUZ S
City,State,Zip:	SAN MARCOS, CA 92069
Year:	2013
County Code:	37
Air Basin:	SD
Facility ID:	3712
Air District Name:	SD
SIC Code:	5541
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0.71
Reactive Organic Gases Tons/Yr:	0.71
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Name:	OCHS CLARENCE OIL
Address:	145VIA VERA CRUZ S
City,State,Zip:	SAN MARCOS, CA 92069
Year:	2014
County Code:	37
Air Basin:	SD
Facility ID:	3712
Air District Name:	SD
SIC Code:	5541
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0.71
Reactive Organic Gases Tons/Yr:	0.71
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Name:	OCHS CLARENCE OIL
Address:	145VIA VERA CRUZ S
City,State,Zip:	SAN MARCOS, CA 92069
Year:	2015
County Code:	37

CLARENCE OCHS OIL (Continued) **U001572195**

Air Basin:	SD
Facility ID:	3712
Air District Name:	SD
SIC Code:	5541
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0.71
Reactive Organic Gases Tons/Yr:	0.71
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Name:	OCHS CLARENCE OIL
Address:	145VIA VERA CRUZ S
City,State,Zip:	SAN MARCOS, CA 92069
Year:	2016
County Code:	37
Air Basin:	SD
Facility ID:	3712
Air District Name:	SD
SIC Code:	5541
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0.71
Reactive Organic Gases Tons/Yr:	0.71
Carbon Monoxide Emissions Tons/Yr:	Not reported
NOX - Oxides of Nitrogen Tons/Yr:	Not reported
SOX - Oxides of Sulphur Tons/Yr:	Not reported
Particulate Matter Tons/Yr:	Not reported
Part. Matter 10 Micrometers and Smllr Tons/Yr:	Not reported

Name:	OCHS CLARENCE OIL
Address:	145VIA VERA CRUZ S
City,State,Zip:	SAN MARCOS, CA 92069
Year:	2017
County Code:	37
Air Basin:	SD
Facility ID:	3712
Air District Name:	SD
SIC Code:	5541
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0.71
Reactive Organic Gases Tons/Yr:	0.71
Carbon Monoxide Emissions Tons/Yr:	Not reported
NOX - Oxides of Nitrogen Tons/Yr:	Not reported
SOX - Oxides of Sulphur Tons/Yr:	Not reported
Particulate Matter Tons/Yr:	Not reported
Part. Matter 10 Micrometers and Smllr Tons/Yr:	Not reported

Name:	OCHS CLARENCE OIL
Address:	145VIA VERA CRUZ S

CLARENCE OCHS OIL (Continued) **U001572195**

City,State,Zip:	SAN MARCOS, CA 92069
Year:	2018
County Code:	37
Air Basin:	SD
Facility ID:	3712
Air District Name:	SD
SIC Code:	5541
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0.71
Reactive Organic Gases Tons/Yr:	0.71
Carbon Monoxide Emissions Tons/Yr:	Not reported
NOX - Oxides of Nitrogen Tons/Yr:	Not reported
SOX - Oxides of Sulphur Tons/Yr:	Not reported
Particulate Matter Tons/Yr:	Not reported
Part. Matter 10 Micrometers and Smllr Tons/Yr:	Not reported

Name:	OCHS CLARENCE OIL
Address:	145VIA VERA CRUZ S
City,State,Zip:	SAN MARCOS, CA 92069
Year:	2019
County Code:	37
Air Basin:	SD
Facility ID:	3712
Air District Name:	SD
SIC Code:	5541
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0.71
Reactive Organic Gases Tons/Yr:	0.71
Carbon Monoxide Emissions Tons/Yr:	Not reported
NOX - Oxides of Nitrogen Tons/Yr:	Not reported
SOX - Oxides of Sulphur Tons/Yr:	Not reported
Particulate Matter Tons/Yr:	Not reported
Part. Matter 10 Micrometers and Smllr Tons/Yr:	Not reported

SAN DIEGO CO LOP:

Name:	CLARENCE OCHS OIL
Address:	145 VIA VERA CRUZ
City,State,Zip:	SAN MARCOS, CA 92069
Record ID:	DEH1998-LSAM-H05072-001
Record Status:	Completed
Opened Date:	04/24/1998
Parcel Number:	219-152-60-00
Case Type:	LOP - Local Oversight Program
Historical Name:	CLARENCE OCHS,INC.
SWRCB Global ID:	T0607302416
Funding:	S - LOP State Fund
Lead Agency:	DEH/SAM
Lead Agency Date:	04/30/1998
Census Tract:	200.29
Community:	San Marcos
Jurisdiction:	SAN MARCOS
Watershed Basin Number:	904.52
Water Purveyor:	VALLECITOS WATER DISTRICT

CLARENCE OCHS OIL (Continued) **U001572195**

Fire Agency:	SAN MARCOS FIRE PROT DIST
Latitude:	33.1413893
Longitude:	-117.1901001
X MapCoord:	6273903.927
Y MapCoord:	1996368.764

CERS:

Name:	OCHS CLARENCE OIL
Address:	145 VIA VERA CRUZ S
City,State,Zip:	SAN MARCOS, CA 92069
Site ID:	484048
CERS ID:	110041143205
CERS Description:	US EPA Air Emission Inventory System (EIS)

Name:	SOUTHERN COUNTIES LUBRICANTS, LLC
Address:	145 VIA VERA CRUZ
City,State,Zip:	SAN MARCOS, CA 92078
Site ID:	106594
CERS ID:	10375627
CERS Description:	Chemical Storage Facilities

Violations:

Site ID:	106594
Site Name:	Southern Counties Lubricants, LLC
Violation Date:	02-03-2022
Citation:	HSC 6.7 25299(a)(9) - California Health and Safety Code, Chapter 6.7, Section(s) 25299(a)(9)
Violation Description:	Leak detection equipment disabled or tampered with in a manner that would prevent the monitoring system from detecting and/or alerting the owner/operator of a leak.
Violation Notes:	Returned to compliance on 02/03/2022. Inspection Sequence ID:6866435;Tank ID:18886;Violation Description:(TCR 9d) Leak detection equipment disabled or tampered with in a manner that would prevent the monitoring system from detecting and/or alerting the owner/operator of a leak. HSC 25299(a)(9); 23 CCR 2630(d)
Violation Division:	San Diego County Department of Env Health
Violation Program:	UST
Violation Source:	CERS,

Site ID:	106594
Site Name:	Southern Counties Lubricants, LLC
Violation Date:	02-11-2015
Citation:	23 CCR 16 2636(f)(2) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2636(f)(2)
Violation Description:	Failure of the pressurized piping to meet one or more of the following requirements: monitored at least hourly with the capability of detecting a release of 3.0 gallons per hour, and will restrict the flow of product through the piping or trigger an alarm when a release occurs.
Violation Notes:	Returned to compliance on 02/11/2015.
Violation Division:	San Diego County Department of Env Health
Violation Program:	UST
Violation Source:	CERS,

Site ID:	106594
Site Name:	Southern Counties Lubricants, LLC
Violation Date:	02-03-2022

CLARENCE OCHS OIL (Continued) **U001572195**

Citation:	HSC 6.7 25292.1(a) - California Health and Safety Code, Chapter 6.7, Section(s) 25292.1(a)
Violation Description:	Failure to operate the UST system to prevent unauthorized releases including leaks, spills, and/or overfills.
Violation Notes:	Returned to compliance on 02/03/2022. Inspection Sequence ID:6866435;Tank ID:18886;Violation Description:Failure to operate the UST system to prevent unauthorized releases including leaks, spills, and/or overfills. HSC 25292.1(a)
Violation Division:	San Diego County Department of Env Health
Violation Program:	UST
Violation Source:	CERS,
Site ID:	106594
Site Name:	Southern Counties Lubricants, LLC
Violation Date:	02-13-2020
Citation:	23 CCR 16 2636(f)(2) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2636(f)(2)
Violation Description:	Failure of the functional line leak detector (LLD) monitoring pressurized piping to meet one or more of the following requirements: Monitored at least hourly with the capability of detecting a release of 3.0 gallons per hour leak at 10 pounds per square inch and restrict or shut off the flow of product through the piping when a leak is detected.
Violation Notes:	Returned to compliance on 02/13/2020. Inspection Sequence ID:6388858;Tank ID:18887;Violation Description:(TCR 9d) Failure of the line leak detector (LLD) monitoring pressurized piping to meet one or more of the following requirements: Monitored at least hourly. with the capability of detecting a release of 3.0 gallons per hour leak at 10 pounds per square inch and restrict or shut off the flow of product through the piping when a leak is detected. 23 CCR 2636(f)(2)
Violation Division:	San Diego County Department of Env Health
Violation Program:	UST
Violation Source:	CERS,
Site ID:	106594
Site Name:	Southern Counties Lubricants, LLC
Violation Date:	02-10-2017
Citation:	23 CCR 16 2636(f)(2) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2636(f)(2)
Violation Description:	Failure of the line leak detector (LLD) monitoring pressurized piping to meet one or more of the following requirements:Monitor at least hourly.Be capable of detecting a release of 3.0 gallons per hour at 10 p.s.i.g. Restrict or shut off the flow of product through the piping when a leak is detected.
Violation Notes:	Returned to compliance on 02/10/2017. Inspection Sequence ID:5585264;Tank ID:18886;Violation Description:(RD) Failure of the pressurized piping to meet one or more of the following requirements: monitored at least hourly with the capability of detecting a release of 3.0 gallons per hour, and will restrict the flow or product through the piping or trigger an alarm when a release occurs. 23 CCR 2636(f)(2)
Violation Division:	San Diego County Department of Env Health
Violation Program:	UST
Violation Source:	CERS,
Site ID:	106594
Site Name:	Southern Counties Lubricants, LLC

CLARENCE OCHS OIL (Continued) **U001572195**

Violation Date:	02-03-2022
Citation:	23 CCR 16 2641(a) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2641(a)
Violation Description:	Failure of leak detection equipment to be located such that equipment is capable of detecting a leak at the earliest possible opportunity.
Violation Notes:	Returned to compliance on 02/03/2022. Inspection Sequence ID:6866435;Tank ID:18886;Violation Description:(TCR 9d) Failure of leak detection equipment to be installed, maintained and located such that the equipment is capable of detecting a leak at the earliest possible opportunity. 23 CCR 2630(d), 2641(a)
Violation Division:	San Diego County Department of Env Health
Violation Program:	UST
Violation Source:	CERS,
Site ID:	106594
Site Name:	Southern Counties Lubricants, LLC
Violation Date:	02-11-2016
Citation:	23 CCR 16 2666(c) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2666(c)
Violation Description:	Failure of line leak detector to detect a leak and/or failure of audible and visual alarm.
Violation Notes:	Returned to compliance on 02/11/2016.
Violation Division:	San Diego County Department of Env Health
Violation Program:	UST
Violation Source:	CERS,
Site ID:	106594
Site Name:	Southern Counties Lubricants, LLC
Violation Date:	02-10-2017
Citation:	HSC 6.7 25290.1(c)(3), 25290.2(c)(3) - California Health and Safety Code, Chapter 6.7, Section(s) 25290.1(c)(3), 25290.2(c)(3)
Violation Description:	Failure to keep water out of the secondary containment of UST systems installed on or after July 1, 2003 and before July 1, 2004, or on or after July 1, 2004.
Violation Notes:	Returned to compliance on 02/10/2017. Inspection Sequence ID:5585264;Tank ID:18886;Violation Description:Failure to maintain under dispenser containment, sumps, and/or other secondary containment in good condition and/or free of debris/liquid. HSC 25290.1, 25290.2, 25291
Violation Division:	San Diego County Department of Env Health
Violation Program:	UST
Violation Source:	CERS,
Site ID:	106594
Site Name:	Southern Counties Lubricants, LLC
Violation Date:	02-10-2017
Citation:	23 CCR 16 2636(f)(5) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2636(f)(5)
Violation Description:	"Failure to meet one or more of the following monitoring requirements in lieu of the requirement to be tightness tested annually: The monitoring system maintains all product piping outside the dispenser to be fail-safe and shut down the pump when a leak is detected. The monitoring system shuts down the pump or stops flow when a leak is detected in the under dispenser containment (UDC)."
Violation Notes:	Returned to compliance on 02/10/2017. Inspection Sequence ID:5585264;Tank ID:18885,18886;Violation Description:Failure to maintain all product piping outside the dispenser to be fail-safe &

CLARENCE OCHS OIL (Continued) **U001572195**

shut down the pump when a leak is detected and the monitoring system shuts down the pump or flow restriction occurs when a leak is detected in the under dispenser containment. 23 CCR 2636(f)(5)
Violation Division: San Diego County Department of Env Health
Violation Program: UST
Violation Source: CERS,

Site ID: 106594
Site Name: Southern Counties Lubricants, LLC
Violation Date: 02-03-2021
Citation: 23 CCR 16 2636(f)(2) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2636(f)(2)
Violation Description: Failure of the functional line leak detector (LLD) monitoring pressurized piping to meet one or more of the following requirements: Monitored at least hourly with the capability of detecting a release of 3.0 gallons per hour leak at 10 pounds per square inch and restrict or shut off the flow of product through the piping when a leak is detected.
Violation Notes: Returned to compliance on 02/03/2021. Inspection Sequence ID:6652007;Tank ID:18885;Violation Description:(TCR 9d) Failure of the line leak detector (LLD) monitoring pressurized piping to meet one or more of the following requirements: Monitored at least hourly. with the capability of detecting a release of 3.0 gallons per hour leak at 10 pounds per square inch and restrict or shut off the flow of product through the piping when a leak is detected. 23 CCR 2636(f)(2)
Violation Division: San Diego County Department of Env Health
Violation Program: UST
Violation Source: CERS,

Site ID: 106594
Site Name: Southern Counties Lubricants, LLC
Violation Date: 02-03-2022
Citation: 23 CCR 16 2636(f)(4) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2636(f)(4)
Violation Description: Failure to meet one or more of the following monitoring requirements in lieu of the requirement to be tightness tested every 12 months: The monitoring system maintains all product piping outside the dispenser to be fail-safe and shut down the pump when a leak is detected. The monitoring system shuts down the pump or stops flow when a leak is detected in the under dispenser containment (UDC).
Violation Notes: Returned to compliance on 02/03/2022. Inspection Sequence ID:6866435;Tank ID:18886;Violation Description:(TCR 9d) Failure to meet one or more of the following monitoring requirements in lieu of the requirement to be tightness tested every 12 months: The monitoring system maintains all product piping outside the dispenser to be fail-safe and shut down the pump when a leak is detected. The monitoring system shuts down the pump or stops flow when a leak is detected in the under dispenser containment (UDC). 23 CCR 2636(f)
Violation Division: San Diego County Department of Env Health
Violation Program: UST
Violation Source: CERS,

Site ID: 106594
Site Name: Southern Counties Lubricants, LLC
Violation Date: 02-07-2018
Citation: 22 CCR 12 66262.12 - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.12

CLARENCE OCHS OIL (Continued) **U001572195**

Violation Description:	Failure to obtain an Identification Number prior to treating, storing, disposing of, transporting or offering for transportation any hazardous waste.
Violation Notes:	Returned to compliance on 02/12/2018. Inspection Sequence ID:5824296
Violation Division:	San Diego County Department of Env Health
Violation Program:	HW
Violation Source:	CERS,
Site ID:	106594
Site Name:	Southern Counties Lubricants, LLC
Violation Date:	02-07-2018
Citation:	23 CCR 16 2715(c) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2715(c)
Violation Description:	Failure to comply with one or more of the following designated operator (DO) monthly inspection requirements: Be performed by an ICC certified DO. Inspect monthly alarm history report, check that alarms are documented and responded to appropriately, and attach a copy. Inspect for the presence of liquid/debris in spill containers. Inspect for the presence of liquid/debris in under dispenser containment (UDC) and ensure that the monitoring equipment is positioned correctly. Inspect for liquid or debris in containment sumps where an alarm occurred with no service visit. Check that all testing and maintenance has been completed and documented. Verify that all facility employees have been trained in accordance with 23 CCR 2715(f)(2).
Violation Notes:	Returned to compliance on 02/12/2018. Inspection Sequence ID:5824296;Tank ID:18888,18887,18886,18885;Violation Description:Failure to comply with one or more of the following designated operator (DO) monthly inspection requirements: Be performed by an ICC certified DO. Inspect monthly alarm history report, check that alarms are documented and responded to appropriately, and attach a copy. Inspect for the presence of liquid/debris in spill containers. Inspect for the presence of liquid/debris in under dispenser containment (UDC) and ensure that the monitoring equipment is positioned correctly. Inspect for liquid or debris in containment sumps where an alarm occurred with no service visit. Check that all testing and maintenance has been completed and documented. Verify that all facility employees have been trained in accordance with 23 CCR 2715(f)(2), 2715(c)
Violation Division:	San Diego County Department of Env Health
Violation Program:	UST
Violation Source:	CERS,
Site ID:	106594
Site Name:	Southern Counties Lubricants, LLC
Violation Date:	02-26-2013
Citation:	HSC 6.7 25291 - California Health and Safety Code, Chapter 6.7, Section(s) 25291
Violation Description:	Failure to maintain under-dispenser containment, sumps, and/or other secondary containment in good condition and/or free of debris/liquid.
Violation Notes:	Returned to compliance on 03/27/2013.
Violation Division:	San Diego County Department of Env Health
Violation Program:	UST
Violation Source:	CERS,
Site ID:	106594
Site Name:	Southern Counties Lubricants, LLC
Violation Date:	02-03-2021

CLARENCE OCHS OIL (Continued) **U001572195**

Citation: 22 CCR 12 66262.40(a) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.40(a)
Violation Description: Failure to keep a copy of each properly signed manifest for at least three years from the date the waste was accepted by the initial transporter. The manifest signed at the time the waste was accepted for transport shall be kept until receiving a signed copy from the designated facility which received the waste.
Violation Notes: Returned to compliance on 03/10/2021. Inspection Sequence ID:6652007
Violation Division: San Diego County Department of Env Health
Violation Program: HW
Violation Source: CERS,

Evaluation:
Eval General Type: Compliance Evaluation Inspection
Eval Date: 02-07-2019
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Inspector: Kieu Bridget Inspection ID:6082649
Eval Division: San Diego County Department of Env Health
Eval Program: UST
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 02-11-2016
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Inspector: Calcagno Leonardo Inspection ID:5238513
Eval Division: San Diego County Department of Env Health
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 02-26-2013
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Inspector: Oglesby Margaret Inspection ID:4088947
Eval Division: San Diego County Department of Env Health
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 02-07-2018
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Inspector: Calcagno Leonardo Inspection ID:5824296
Eval Division: San Diego County Department of Env Health
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 02-10-2017
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Inspector: Zmily Zanalee Inspection ID:5585264
Eval Division: San Diego County Department of Env Health
Eval Program: HMRRP
Eval Source: CERS,

CLARENCE OCHS OIL (Continued) **U001572195**

Eval General Type: Compliance Evaluation Inspection
Eval Date: 02-11-2015
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Inspector: Fernandez Juan Inspection ID:5158458
Eval Division: San Diego County Department of Env Health
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 02-11-2015
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Inspector: Fernandez Juan Inspection ID:5158458
Eval Division: San Diego County Department of Env Health
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 02-13-2020
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Inspector: Zmily Zanalee Inspection ID:6388858
Eval Division: San Diego County Department of Env Health
Eval Program: UST
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 02-26-2013
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Inspector: Oglesby Margaret Inspection ID:4088947
Eval Division: San Diego County Department of Env Health
Eval Program: APSA
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 02-26-2013
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Inspector: Oglesby Margaret Inspection ID:4088947
Eval Division: San Diego County Department of Env Health
Eval Program: UST
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 02-03-2021
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Inspector: Ayala Anthony Inspection ID:6652007
Eval Division: San Diego County Department of Env Health
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 02-03-2021
Violations Found: Yes

CLARENCE OCHS OIL (Continued) **U001572195**

Eval Type: Routine done by local agency
Eval Notes: Inspector: Ayala Anthony Inspection ID:6652007
Eval Division: San Diego County Department of Env Health
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 02-03-2022
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Inspector: Chavarin Yvonne Inspection ID:6866435
Eval Division: San Diego County Department of Env Health
Eval Program: UST
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 02-03-2021
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Inspector: Ayala Anthony Inspection ID:6652007
Eval Division: San Diego County Department of Env Health
Eval Program: UST
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 02-07-2019
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Inspector: Kieu Bridget Inspection ID:6082649
Eval Division: San Diego County Department of Env Health
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 02-07-2019
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Inspector: Kieu Bridget Inspection ID:6082649
Eval Division: San Diego County Department of Env Health
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 02-10-2017
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Inspector: Zmily Zanalee Inspection ID:5585264
Eval Division: San Diego County Department of Env Health
Eval Program: UST
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 02-11-2015
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Inspector: Fernandez Juan Inspection ID:5158458
Eval Division: San Diego County Department of Env Health

CLARENCE OCHS OIL (Continued) **U001572195**

Eval Program: UST
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 02-11-2016
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Inspector: Calcagno Leonardo Inspection ID:5238513
Eval Division: San Diego County Department of Env Health
Eval Program: APSA
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 02-11-2016
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Inspector: Calcagno Leonardo Inspection ID:5238513
Eval Division: San Diego County Department of Env Health
Eval Program: UST
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 02-07-2018
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Inspector: Calcagno Leonardo Inspection ID:5824296
Eval Division: San Diego County Department of Env Health
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 02-07-2018
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Inspector: Calcagno Leonardo Inspection ID:5824296
Eval Division: San Diego County Department of Env Health
Eval Program: UST
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 02-11-2015
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Inspector: Fernandez Juan Inspection ID:5158458
Eval Division: San Diego County Department of Env Health
Eval Program: APSA
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 02-11-2016
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Inspector: Calcagno Leonardo Inspection ID:5238513
Eval Division: San Diego County Department of Env Health
Eval Program: HW
Eval Source: CERS,

CLARENCE OCHS OIL (Continued) **U001572195**

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	02-26-2013
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Inspector: Oglesby Margaret Inspection ID:4088947
Eval Division:	San Diego County Department of Env Health
Eval Program:	HMRRP
Eval Source:	CERS,

Coordinates:

Site ID:	106594
Facility Name:	Southern Counties Lubricants, LLC
Env Int Type Code:	HWG
Program ID:	10375627
Coord Name:	Not reported
Ref Point Type Desc:	Center of a facility or station.,
Latitude:	33.141390
Longitude:	-117.190100

Affiliation:

Affiliation Type Desc:	CUPA District
Entity Name:	San Diego County Env Health Qlty
Entity Title:	Not reported
Affiliation Address:	PO Box 129261
Affiliation City:	San Diego
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92112-9261
Affiliation Phone:	(858) 505-6880,

Affiliation Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	Not reported
Affiliation Address:	P.O. Box 5765
Affiliation City:	Orange
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92863
Affiliation Phone:	,

Affiliation Type Desc:	Property Owner
Entity Name:	SMU Enterprises LLC
Entity Title:	Not reported
Affiliation Address:	P O BOX 5765
Affiliation City:	Orange
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	92863
Affiliation Phone:	(714) 516-7300,

Affiliation Type Desc:	Environmental Contact
Entity Name:	Scott Perry
Entity Title:	Not reported
Affiliation Address:	145 Via Vera Cruz
Affiliation City:	San Marcos
Affiliation State:	CA

CLARENCE OCHS OIL (Continued) **U001572195**

Affiliation Country: Not reported
Affiliation Zip: 92078
Affiliation Phone: ,

Affiliation Type Desc: Legal Owner
Entity Name: SOUTHERN COUNTIES LUBRICANTS, LLC
Entity Title: Not reported
Affiliation Address: P.O. Box 5765
Affiliation City: Orange
Affiliation State: CA
Affiliation Country: United States
Affiliation Zip: 92863
Affiliation Phone: (760) 744-5441,

Affiliation Type Desc: Operator
Entity Name: SOUTHERN COUNTIES LUBRICANTS, LLC
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: (760) 744-5441,

Affiliation Type Desc: UST Permit Applicant
Entity Name: Travis Becktal
Entity Title: General Manager
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: (949) 599-9572,

Affiliation Type Desc: UST Property Owner Name
Entity Name: SMU Enterprises LLC
Entity Title: Not reported
Affiliation Address: PO Box 5765
Affiliation City: Orange
Affiliation State: CA
Affiliation Country: United States
Affiliation Zip: 92863
Affiliation Phone: (714) 516-7300,

Affiliation Type Desc: UST Tank Owner
Entity Name: Southern Counties Lubricates, LLC
Entity Title: Not reported
Affiliation Address: 145 Via Vera Cruz
Affiliation City: San Marcos
Affiliation State: CA
Affiliation Country: United States
Affiliation Zip: 92078
Affiliation Phone: (760) 744-5441,

Affiliation Type Desc: Parent Corporation
Entity Name: SOUTHERN COUNTIES LUBRICANTS, LLC
Entity Title: Not reported

CLARENCE OCHS OIL (Continued) **U001572195**

Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,
Affiliation Type Desc:	Identification Signer
Entity Name:	Travis Becktal
Entity Title:	General Manager
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,
Affiliation Type Desc:	UST Tank Operator
Entity Name:	Southern Counties Lubricates, LLC
Entity Title:	Not reported
Affiliation Address:	145 Via Vera Cruz
Affiliation City:	San Marcos
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	92078
Affiliation Phone:	(760) 744-5441,
Name:	CLARENCE OCHS OIL
Address:	145 VIA VERA CRUZ
City,State,Zip:	SAN MARCOS, CA 920692615
Site ID:	194721
CERS ID:	T0607302416
CERS Description:	Leaking Underground Storage Tank Cleanup Site

Affiliation:

Affiliation Type Desc:	Local Agency Caseworker
Entity Name:	CAROL FENNER - SAN DIEGO COUNTY LOP
Entity Title:	Not reported
Affiliation Address:	P.O. Box 129261
Affiliation City:	San Diego
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,

L104 **SOUTHERN COUNTIES LUBRICANTS, LLC** **UST** **U004261925**
WNW **145 VIA VERA CRUZ** **N/A**
1/8-1/4 **SAN MARCOS, CA 92078**
0.126 mi.
667 ft. **Site 10 of 13 in cluster L**

Relative: UST:
Lower

Name:	SOUTHERN COUNTIES LUBRICANTS, LLC
Address:	145 VIA VERA CRUZ
City,State,Zip:	SAN MARCOS, CA 92078
Facility ID:	37-000-105072

Actual:
540 ft.

SOUTHERN COUNTIES LUBRICANTS, LLC (Continued) **U004261925**

Permitting Agency:	San Diego County Department of Environmental Health
CERSID:	10375627
Latitude:	33.14139
Longitude:	-117.1901

L105 **SOUTHERN COUNTIES LUBRICANTS,LLC** **AST** **A100424741**
WNW **145 VIA VERA CRUZ** **N/A**
1/8-1/4 **SAN MARCOS, CA 92078**
0.126 mi.
667 ft. **Site 11 of 13 in cluster L**

Relative: AST:
Lower
Actual:
540 ft.

Name:	SOUTHERN COUNTIES LUBRICANTS,LLC
Address:	145 VIA VERA CRUZ
City/Zip:	SAN MARCOS,92078
Certified Unified Program Agencies:	Not reported
Owner:	Southern Counties Lubricants,LLC
Total Gallons:	Not reported
CERSID:	10375627
Facility ID:	37-000-105072
Business Name:	Southern Counties Lubricants, LLC
Phone:	714-516-7300
Fax:	760-744-7992
Mailing Address:	145 Via Vera Cruz
Mailing Address City:	San Marcos
Mailing Address State:	CA
Mailing Address Zip Code:	92078
Operator Name:	Southern Counties Lubricants,LLC
Operator Phone:	760-744-5441
Owner Phone:	760-744-5441
Owner Mail Address:	145 Via Vera Cruz
Owner State:	CA
Owner Zip Code:	92078
Owner Country:	United States
Property Owner Name:	SMU Enterprises LLC
Property Owner Phone:	714-516-7300
Property Owner Mailing Address:	P O BOX 5765
Property Owner City:	Orange
Property Owner Stat :	CA
Property Owner Zip Code:	92863
Property Owner Country:	United States
EPAID:	CAL000126880

L106 **SOUTHERN COUNTIES LUBRICANTS LLC** **RCRA NonGen / NLR** **1024853938**
WNW **145 VIA VERA CRUZ** **CAL000414271**
1/8-1/4 **SAN MARCOS, CA 92078**
0.126 mi.
667 ft. **Site 12 of 13 in cluster L**

Relative: RCRA Listings:
Lower
Actual:
540 ft.

Date Form Received by Agency:	20160211
Handler Name:	SOUTHERN COUNTIES LUBRICANTS LLC
Handler Address:	145 VIA VERA CRUZ
Handler City,State,Zip:	SAN MARCOS, CA 92078-2615
EPA ID:	CAL000414271
Contact Name:	SCOTT SWAIN

SOUTHERN COUNTIES LUBRICANTS LLC (Continued) **1024853938**

Contact Address:	1321 DISTRIBUTION WAY
Contact City,State,Zip:	VISTA, CA 92081
Contact Telephone:	760-450-3607
Contact Fax:	760-599-0417
Contact Email:	SWAINS@SCOIL.COM
Contact Title:	Not reported
EPA Region:	09
Land Type:	Not reported
Federal Waste Generator Description:	Not a generator, verified
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Handler Activities
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	P.O. BOX 5765
Mailing City,State,Zip:	ORANGE, CA 92863
Owner Name:	SOUTHERN COUNTIES LUBRICANTS, LLC
Owner Type:	Other
Operator Name:	SCOTT SWAIN
Operator Type:	Other
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	Yes
Universal Waste Destination Facility:	Yes
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking

SOUTHERN COUNTIES LUBRICANTS LLC (Continued) **1024853938**

Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20180906
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name:	SOUTHERN COUNTIES LUBRICANTS, LLC
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	P.O. BOX 5765
Owner/Operator City,State,Zip:	ORANGE, CA 92863
Owner/Operator Telephone:	714-516-7300
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name:	SCOTT SWAIN
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	1321 DISTRIBUTION WAY
Owner/Operator City,State,Zip:	VISTA, CA 92081
Owner/Operator Telephone:	760-450-3607
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	20160211
Handler Name:	SOUTHERN COUNTIES LUBRICANTS LLC
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No

SOUTHERN COUNTIES LUBRICANTS LLC (Continued) **1024853938**

Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Code: 42272
NAICS Description: PETROLEUM AND PETROLEUM PRODUCTS WHOLESALERS (EXCEPT BULK STATIONS AND TERMINALS)

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

L107 **CLARENCE OCHS OIL** **LUST** **S100852026**
WNW **145 VIA VERA CRUZ** **HIST CORTESE** **N/A**
1/8-1/4 **SAN MARCOS, CA 92069** **CIWQS**
0.126 mi.
667 ft. **Site 13 of 13 in cluster L**

Relative: **Lower**
Actual: **540 ft.**

LUST:
Name: CLARENCE OCHS OIL
Address: 145 VIA VERA CRUZ
City,State,Zip: SAN MARCOS, CA 920692615
Lead Agency: SAN DIEGO COUNTY LOP
Case Type: LUST Cleanup Site
Geo Track: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0607302416
Global Id: T0607302416
Latitude: 33.141736
Longitude: -117.1904467
Status: Completed - Case Closed
Status Date: 11/09/2012
Case Worker: CF
RB Case Number: 9UT3651
Local Agency: SAN DIEGO COUNTY LOP
File Location: Local Agency
Local Case Number: H05072-001
Potential Media Affect: Aquifer used for drinking water supply
Potential Contaminants of Concern: Benzene, Diesel, MTBE / TBA / Other Fuel Oxygenates, Gasoline
Site History: During routine pressure testing of fuel lines at a service station located at 145 Via Vera Cruz in San Marcos, California, a manhole cover was reportedly placed or dropped over a diesel turbine, causing a line leak detector to break. According to a report submitted by the consultant (Geocon), the break occurred in late October 1995, resulting in a calculated release of 3,800 gallons of diesel fuel over a four-month period. The leak detector was capped and repaired on February 20, 1996, and the release was reported to DEH. Geocon performed a soil and groundwater investigation at the site in January 1998. Ten direct-push borings were advanced at the site for the collection of soil samples and groundwater grab samples. Groundwater was not encountered in seven of the borings, which were advanced to a depth of 15 feet below ground surface; thus, three groundwater grab samples were collected. Total petroleum hydrocarbons (TPH) as diesel were detected in at least one soil sample collected from nine of the

CLARENCE OCHS OIL (Continued) **S100852026**

borings. TPH as diesel was detected in each of the grab groundwater samples. Although the samples were not tested for TPH as gasoline, aromatic hydrocarbons were detected in both soil and groundwater, as was methyl-tert-butyl ether (MTBE). Based on the consultants report, DEH opened an unauthorized release case on April 30, 1998. Three 12,000-gallon capacity, steel, gasoline underground storage tanks (USTs), one 12,000-gallon capacity, steel diesel UST, and one 4,000-gallon capacity, steel holding tank, as well as associated dispensers and piping, were removed from the site on July 30, 1998. Thirteen soil samples were collected during the DEH tank removal inspection. Petroleum hydrocarbons were detected in three soil samples, each of which was collected beneath USTs at depths of 13 to 14 feet below ground surface (bgs). Ten additional soil samples were collected from the base and sidewalls of the UST excavation by the consultant (PIC Environmental Services, Inc.) on July 31, 1998. The excavation was enlarged and impacted soil was removed to maximum depths of 14 to 18 feet bgs until confirmation sample results for TPH as diesel were less than 500 milligrams per kilogram (mg/kg). Based on the soil sample results, 1,972 tons of impacted soil was removed from the excavation and disposed to an off-site bio-treatment facility in July and August 1998. Four groundwater monitoring wells were installed on the property in July 1999 using hollow-stem auger equipment. Groundwater sampling analytical results indicated the site chemicals of concern were aromatic hydrocarbons and the fuel oxygenates methyl-tert-butyl ether (MTBE) and tert-butyl alcohol (TBA). Water level data indicated that groundwater was approximately 7 to 12 feet below the top-of-casing reference points. A fifth groundwater monitoring well was installed on the property in March 2001. In order to assess if groundwater was impacted offsite, a boring was advanced on the west side of Via Vera Cruz in May 2002 to collect a groundwater grab sample. Additional off-site groundwater monitoring wells were installed in June 2008 and August 2011. Groundwater monitoring and sampling was performed until December 2011, when analytical data indicated the dissolved contaminant plume had been adequately delineated. Free product had been detected in one of the wells (MW-4) in September 2006 with an apparent thickness of 1.25 inches (approximately 0.10-foot) and was subsequently bailed manually until November 2006, when it was no longer detected. Approximately one gallon of free product had been removed by bailing. In June 2008, a hydrocarbon sheen was noted in MW-4. The apparent thickness of the free product increased to 1.39 feet when measured in September 2011. A pneumatic pump was used to extract 14.85 gallons of free product from the well until no measureable free product was observed in December 2011. A Corrective Action Plan CAP) was initially submitted to DEH in August 2005 that recommended remediation by natural attenuation. The initial CAP presented the results of vapor risk calculations for benzene and naphthalene in groundwater underlying an office/warehouse building on the property. The results were below the human health carcinogenic risk threshold. However, DEH did not approve the CAP citing the need for additional development of the site conceptual model. A revised CAP was submitted in June 2009. The revised CAP included an estimate of the volume of impacted soil remaining in place as approximately 900 cubic yards. The revised CAP also identified two production wells located within a half mile of the site. One of the wells is used for irrigation purposes and is located approximately 425 feet west of the site. The other well was formerly used for municipal supply purposes and is

CLARENCE OCHS OIL (Continued) **S100852026**

located over 2,000 feet south of the site. However, the well was taken off line about 20 years ago by the Vallecitos Water District due to odor and color concerns. Both of the production wells are screened more than 200 feet bgs. The revised CAP was not approved pending the installation of groundwater monitoring wells MW-8 and MW-9 in August 2011 and an updated site conceptual model. A CAP addendum was submitted in May 2012 that presented an updated site conceptual model that included trend analyses for benzene and MTBE concentrations detected in groundwater samples. The trend analyses indicated decreasing trends for both benzene and MTBE for samples collected from wells in the source area. Based on the trend analyses, MTBE concentrations are estimated to fall below its Secondary Maximum Contaminant Level (MCL) in approximately 20 years and benzene levels would drop below its MCL in approximately 100 years. The revised CAP and its addendum were approved on July 9, 2012. Based on the removal of petroleum hydrocarbon-impacted soil in the source area, the decreasing trends for benzene and MTBE concentrations in groundwater, and the lack of human health risk from ingestion of groundwater or from inhalation of vapor, DEH concurs with the CAPs recommendation for soil and groundwater remediation by natural attenuation and the consultants recommendations for no further action and case closure.

LUST:
Global Id: T0607302416
Contact Type: Local Agency Caseworker
Contact Name: CAROL FENNER
Organization Name: SAN DIEGO COUNTY LOP
Address: P.O. Box 129261
City: San Diego
Email: carol.fenner@sdcounty.ca.gov
Phone Number: Not reported

LUST:
Global Id: T0607302416
Action Type: ENFORCEMENT
Date: 07/09/2012
Action: Technical Correspondence / Assistance / Other

Global Id: T0607302416
Action Type: ENFORCEMENT
Date: 11/09/2012
Action: Closure/No Further Action Letter

Global Id: T0607302416
Action Type: Other
Date: 04/24/1998
Action: Leak Began

Global Id: T0607302416
Action Type: Other
Date: 04/24/1998
Action: Leak Reported

Global Id: T0607302416
Action Type: REMEDIATION
Date: 07/30/1998
Action: Excavation

CLARENCE OCHS OIL (Continued) **S100852026**

Global Id: T0607302416
Action Type: ENFORCEMENT
Date: 05/21/1998
Action: Notice of Responsibility

Global Id: T0607302416
Action Type: ENFORCEMENT
Date: 09/08/2009
Action: Technical Correspondence / Assistance / Other

Global Id: T0607302416
Action Type: ENFORCEMENT
Date: 10/20/2009
Action: Technical Correspondence / Assistance / Other

Global Id: T0607302416
Action Type: RESPONSE
Date: 01/31/2012
Action: Monitoring Report - Quarterly - Regulator Responded

Global Id: T0607302416
Action Type: RESPONSE
Date: 04/16/2012
Action: CAP/RAP - Other Report - Regulator Responded

Global Id: T0607302416
Action Type: ENFORCEMENT
Date: 04/22/2009
Action: Technical Correspondence / Assistance / Other

Global Id: T0607302416
Action Type: ENFORCEMENT
Date: 07/09/2009
Action: Letter - Notice

Global Id: T0607302416
Action Type: Other
Date: 04/24/1998
Action: Leak Stopped

Global Id: T0607302416
Action Type: RESPONSE
Date: 09/18/2009
Action: Well Installation Workplan

Global Id: T0607302416
Action Type: RESPONSE
Date: 09/30/2011
Action: Monitoring Report - Semi-Annually

Global Id: T0607302416
Action Type: Other
Date: 04/24/1998
Action: Leak Discovery

LUST:
Global Id: T0607302416

CLARENCE OCHS OIL (Continued) **S100852026**

Status: Open - Case Begin Date
Status Date: 04/13/1998

Global Id: T0607302416
Status: Open - Remediation
Status Date: 04/13/1998

Global Id: T0607302416
Status: Open - Site Assessment
Status Date: 09/01/2009

Global Id: T0607302416
Status: Open - Remediation
Status Date: 07/09/2012

Global Id: T0607302416
Status: Completed - Case Closed
Status Date: 11/09/2012

HIST CORTESE:
edr_fname: CLARENCE OCHS, INC.
edr_fadd1: 145 VIA VERA CRUZ
City,State,Zip: SAN MARCOS, CA
Region: CORTESE
Facility County Code: 37
Reg By: LTNKA
Reg Id: 9UT3651

CIWQS:
Name: MICHAEL OCHS
Address: 145 VIA VERA CRUZ
City,State,Zip: SAN MARCOS, CA 92078
Agency: Michael Ochs
Agency Address: 145 Via Vera Cruz, San Marcos, CA 92078
Place/Project Type: Industrial - Petroleum Bulk Stations and Terminals
SIC/NAICS: 5171
Region: 9
Program: INDSTW
Regulatory Measure Status: Terminated
Regulatory Measure Type: Storm water industrial
Order Number: 2014-0057-DWQ
WDID: 9 37I022268
NPDES Number: CAS000001
Adoption Date: Not reported
Effective Date: 08/12/2009
Termination Date: 06/30/2015
Expiration/Review Date: Not reported
Design Flow: Not reported
Major/Minor: Not reported
Complexity: Not reported
TTWQ: Not reported
Enforcement Actions within 5 years: 0
Violations within 5 years: 0
Latitude: 33.14158
Longitude: -117.19043

P108 **DDAM LLC DBA CALWEST AUTO CENTER** **RCRA NonGen / NLR** **1025873922**
SW **1070 COMMERCE ST STE D** **CAL000447051**
1/8-1/4 **SAN MARCOS, CA 92069**
0.135 mi.
712 ft. **Site 1 of 2 in cluster P**

Relative: **Lower**

Actual: **537 ft.**

RCRA Listings:

Date Form Received by Agency:		20190626
Handler Name:	DDAM LLC DBA CALWEST AUTO CENTER	
Handler Address:		1070 COMMERCE ST STE D
Handler City,State,Zip:		SAN MARCOS, CA 92069
EPA ID:		CAL000447051
Contact Name:		AARON MARIN
Contact Address:		13326 COMMUNITY RD #34
Contact City,State,Zip:		POWAY, CA 92064
Contact Telephone:		585-231-6682
Contact Fax:		Not reported
Contact Email:		AMARIN710@GMAIL.COM
Contact Title:		Not reported
EPA Region:		09
Land Type:		Not reported
Federal Waste Generator Description:		Not a generator, verified
Non-Notifier:		Not reported
Biennial Report Cycle:		Not reported
Accessibility:		Not reported
Active Site Indicator:		Handler Activities
State District Owner:		Not reported
State District:		Not reported
Mailing Address:		1070 COMMERCE ST STE D
Mailing City,State,Zip:		SAN MARCOS, CA 92069
Owner Name:	DDAM LLC	
Owner Type:		Other
Operator Name:	AARON MARIN	
Operator Type:		Other
Short-Term Generator Activity:		No
Importer Activity:		No
Mixed Waste Generator:		No
Transporter Activity:		No
Transfer Facility Activity:		No
Recycler Activity with Storage:		No
Small Quantity On-Site Burner Exemption:		No
Smelting Melting and Refining Furnace Exemption:		No
Underground Injection Control:		No
Off-Site Waste Receipt:		No
Universal Waste Indicator:		Yes
Universal Waste Destination Facility:		Yes
Federal Universal Waste:		No
Active Site Fed-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site Converter Treatment storage and Disposal Facility:		Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site State-Reg Handler:		---
Federal Facility Indicator:		Not reported
Hazardous Secondary Material Indicator:		N
Sub-Part K Indicator:		Not reported
Commercial TSD Indicator:		No
Treatment Storage and Disposal Type:		Not reported
2018 GPRA Permit Baseline:		Not on the Baseline
2018 GPRA Renewals Baseline:		Not on the Baseline
Permit Renewals Workload Universe:		Not reported

DDAM LLC DBA CALWEST AUTO CENTER (Continued) **1025873922**

Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20190729
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Operator
Owner/Operator Name: AARON MARIN	
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	13326 COMMUNITY RD #34
Owner/Operator City,State,Zip:	POWAY, CA 92064
Owner/Operator Telephone:	585-231-6682
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Owner
Owner/Operator Name: DDAM LLC	
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	4782 MT CASAS DR
Owner/Operator City,State,Zip:	SAN DIEGO, CA 92117
Owner/Operator Telephone:	619-384-4549
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

DDAM LLC DBA CALWEST AUTO CENTER (Continued) **1025873922**

Historic Generators:
Receive Date: 20190626
Handler Name: DDAM LLC DBA CALWEST AUTO CENTER
Federal Waste Generator Description: Not a generator, verified
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Code: 811111
NAICS Description: GENERAL AUTOMOTIVE REPAIR

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

P109 **TRIPLE TAKE HOLOGRAPHICS** **San Diego Co. HMMD** **S106060791**
SW **1070 COMMERCE ST** **CERS HAZ WASTE** **N/A**
1/8-1/4 **SAN MARCOS, CA 92078** **CERS**
0.135 mi.
712 ft. **Site 2 of 2 in cluster P**

Relative:
Lower

Actual:
537 ft.

HMMD SAN DIEGO:
Name: TRIPLE TAKE HOLOGRAPHICS
Address: 1070 COMMERCE ST
City,State,Zip: SAN MARCOS, CA 92078
Permit Number: 110278
Business Type: 6HK15
EPA Id Number: Not reported
APN: 219-330-42-00
Last HMMD Inspection: 01/06/2006
Facility Telephone: 760-471-1708
Permit Status: OPEN
Permit Expiration: 01/31/2013
Date Last Updated: 11/02/2012
Facility Owner: JOY PADIYAR
Facility Mailing Address: 1070 COMMERCE ST #A
Facility Mailing City: SAN MARCOS
Facility Mailing State: CA
Facility Mailing Zip: 92078
UST Owner: Not reported
Handle Regulated Hazmat: Not reported
Own Or Operate UST: Not reported
Subject To APSA: Not reported
Generate Haz Waste: Y
Treat Haz Waste: Not reported
Generate Medical Waste: Not reported

TRIPLE TAKE HOLOGRAPHICS (Continued) **S106060791**

Inventory Active Permits (not SQG Medical):
- Permit Number: 110278
- Update Date: 11/02/2012
- Case Number: Not reported
- Name: WASTE 541 PHOTOCHEM/PHOTOPROC WASTE.
- Other Information: WASTE PHOTO FIXER
- Material Waste: Waste
- Hazardous Categories 1: Not reported
- Hazardous Categories 2: Not reported

CERS HAZ WASTE:
- Name: CAL WEST AUTO CENTER
- Address: 1070 COMMERCE ST STE D
- City,State,Zip: SAN MARCOS, CA 92078
- Site ID: 101512
- CERS ID: 10376707
- CERS Description: Hazardous Waste Generator

CERS:
- Name: CAL WEST AUTO CENTER
- Address: 1070 COMMERCE ST STE D
- City,State,Zip: SAN MARCOS, CA 92078
- Site ID: 101512
- CERS ID: 10376707
- CERS Description: Chemical Storage Facilities

Violations:
- Site ID: 101512
- Site Name: CAL WEST AUTO CENTER
- Violation Date: 12-02-2019
- Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
- Violation Description: Failure to complete and electronically submit hazardous material inventory information for all reportable hazardous materials on site at or above reportable quantities.
- Violation Notes: Returned to compliance on 12/02/2019. Inspection Sequence ID:6265367
- Violation Division: San Diego County Department of Env Health
- Violation Program: HMRRP
- Violation Source: CERS,

- Site ID: 101512
- Site Name: CAL WEST AUTO CENTER
- Violation Date: 12-02-2019
- Citation: 40 CFR 1 265.173 - U.S. Code of Federal Regulations, Title 40, Chapter 1, Section(s) 265.173
- Violation Description: Failure to meet the following container management requirements: (a) A container holding hazardous waste must always be closed during storage, except when it is necessary to add or remove waste. (b) A container holding hazardous waste must not be opened, handled, or stored in a manner which may rupture the container or cause it to leak.
- Violation Notes: Returned to compliance on 12/02/2019. Inspection Sequence ID:6265367
- Violation Division: San Diego County Department of Env Health
- Violation Program: HW
- Violation Source: CERS,

TRIPLE TAKE HOLOGRAPHICS (Continued) **S106060791**

Site ID: 101512
Site Name: CAL WEST AUTO CENTER
Violation Date: 12-02-2019
Citation: HSC 6.5 Multiple - California Health and Safety Code, Chapter 6.5, Section(s) Multiple
Violation Description: Hazardous Waste Generator Program - Operations/Maintenance - General
Violation Notes: Returned to compliance on 12/02/2019. Inspection Sequence ID:6265367;Violation:HMD0152 Failed to report &/or update the required inventory information for hazardous waste(s) generated at the facility in CERS. SDCC 68.904(a)(2)
Violation Division: San Diego County Department of Env Health
Violation Program: HW
Violation Source: CERS,

Site ID: 101512
Site Name: CAL WEST AUTO CENTER
Violation Date: 12-02-2019
Citation: 22 CCR 12 66262.40(a) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.40(a)
Violation Description: Failure to keep a copy of each properly signed manifest for at least three years from the date the waste was accepted by the initial transporter. The manifest signed at the time the waste was accepted for transport shall be kept until receiving a signed copy from the designated facility which received the waste.
Violation Notes: Returned to compliance on 12/03/2019. Inspection Sequence ID:6265367
Violation Division: San Diego County Department of Env Health
Violation Program: HW
Violation Source: CERS,

Site ID: 101512
Site Name: CAL WEST AUTO CENTER
Violation Date: 12-02-2019
Citation: HSC 6.95 Multiple - California Health and Safety Code, Chapter 6.95, Section(s) Multiple
Violation Description: Business Plan Program - Administration/Documentation - General
Violation Notes: Returned to compliance on 12/05/2019. Inspection Sequence ID:6265367;Violation:HMD1001 Unified Program Facility permit not obtained for hazardous materials. SDCC 68.904; 68.905; 68.906, 68.907; 68.907.1
Violation Division: San Diego County Department of Env Health
Violation Program: HMRRP
Violation Source: CERS,

Site ID: 101512
Site Name: CAL WEST AUTO CENTER
Violation Date: 12-02-2019
Citation: HSC 6.95 25507 - California Health and Safety Code, Chapter 6.95, Section(s) 25507
Violation Description: Failure to adequately establish and implement a business plan when storing/handling a hazardous material at or above reportable quantities.
Violation Notes: Returned to compliance on 12/02/2019. Inspection Sequence ID:6265367
Violation Division: San Diego County Department of Env Health
Violation Program: HMRRP
Violation Source: CERS,

Site ID: 101512

TRIPLE TAKE HOLOGRAPHICS (Continued) **S106060791**

Site Name: CAL WEST AUTO CENTER
Violation Date: 06-22-2015
Citation: HSC 6.95 25507 - California Health and Safety Code, Chapter 6.95, Section(s) 25507
Violation Description: Failure to adequately establish and implement a business plan when storing/handling a hazardous material at or above reportable quantities.
Violation Notes: Returned to compliance on 06/22/2015.
Violation Division: San Diego County Department of Env Health
Violation Program: HMRRP
Violation Source: CERS,

Site ID: 101512
Site Name: CAL WEST AUTO CENTER
Violation Date: 12-02-2019
Citation: HSC 6.5 Multiple - California Health and Safety Code, Chapter 6.5, Section(s) Multiple
Violation Description: Hazardous Waste Generator Program - Administration/Documentation - General
Violation Notes: Returned to compliance on 12/05/2019. Inspection Sequence ID:6265367;Violation:HMD0131 Unified Program Facility Permit not obtained &/or maintained for the generation of hazardous waste. SDCC 68.904; 68.905; 68.907.1
Violation Division: San Diego County Department of Env Health
Violation Program: HW
Violation Source: CERS,

Evaluation:
Eval General Type: Compliance Evaluation Inspection
Eval Date: 06-22-2015
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Inspector: Jaramillo Marcie Inspection ID:5294396
Eval Division: San Diego County Department of Env Health
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 07-10-2018
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Inspector: Kieu Bridget Inspection ID:6008583
Eval Division: San Diego County Department of Env Health
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 07-10-2018
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Inspector: Kieu Bridget Inspection ID:6008583
Eval Division: San Diego County Department of Env Health
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 09-29-2016

TRIPLE TAKE HOLOGRAPHICS (Continued) **S106060791**

Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Inspector: Calcagno Leonardo Inspection ID:5576256
Eval Division: San Diego County Department of Env Health
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 09-29-2016
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Inspector: Calcagno Leonardo Inspection ID:5576256
Eval Division: San Diego County Department of Env Health
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 12-02-2019
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Inspector: Valdez Kevin Inspection ID:6265367
Eval Division: San Diego County Department of Env Health
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 06-22-2015
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Inspector: Jaramillo Marcie Inspection ID:5294396
Eval Division: San Diego County Department of Env Health
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 12-02-2019
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Inspector: Valdez Kevin Inspection ID:6265367
Eval Division: San Diego County Department of Env Health
Eval Program: HW
Eval Source: CERS,

Affiliation:
Affiliation Type Desc: Document Preparer
Entity Name: Ryan White
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Affiliation Type Desc: CUPA District
Entity Name: San Diego County Env Health Qlty
Entity Title: Not reported

TRIPLE TAKE HOLOGRAPHICS (Continued) **S106060791**

Affiliation Address:	PO Box 129261
Affiliation City:	San Diego
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92112-9261
Affiliation Phone:	(858) 505-6880,
Affiliation Type Desc:	Environmental Contact
Entity Name:	Dan Drew
Entity Title:	Not reported
Affiliation Address:	4782 Mt. Casas Drive
Affiliation City:	San Diego
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92117
Affiliation Phone:	,
Affiliation Type Desc:	Legal Owner
Entity Name:	DDAM LLC
Entity Title:	Not reported
Affiliation Address:	1070 COMMERCE ST SUITE D
Affiliation City:	San Marcos
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	92078
Affiliation Phone:	(760) 621-8000,
Affiliation Type Desc:	Operator
Entity Name:	Dan Drew
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	(760) 621-8000,
Affiliation Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	Not reported
Affiliation Address:	1070 Commerce St Ste D
Affiliation City:	San Marcos
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92078
Affiliation Phone:	,
Affiliation Type Desc:	Parent Corporation
Entity Name:	CAL WEST AUTO CENTER
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,

O110
SE
1/8-1/4
0.149 mi.
789 ft.

COSTCO WHOLESALE #1581 BUSINESS CENTER
150 S. BENT AVE
SAN MARCOS, CA 92078

Site 2 of 4 in cluster O

RCRA-VSQG **1027095677**
CAR000334490

Relative:
Higher

Actual:
547 ft.

RCRA Listings:

Date Form Received by Agency:	20220214
Handler Name:	COSTCO WHOLESALE #1581 BUSINESS CENTER
Handler Address:	150 S. BENT AVE
Handler City,State,Zip:	SAN MARCOS, CA 92078
EPA ID:	CAR000334490
Contact Name:	SHARON SAKNIT
Contact Address:	LAKE DR
Contact City,State,Zip:	ISSAQUAH, WA 98027
Contact Telephone:	425-416-2334
Contact Fax:	Not reported
Contact Email:	ENVIRONMENTALCOMPLIANCE@COSTCO.COM
Contact Title:	DIRECTOR OF GLOBAL SUSTAINABILITY AND COMPLIA
EPA Region:	09
Land Type:	Private
Federal Waste Generator Description:	Conditionally Exempt Small Quantity Generator
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Handler Activities
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	GREY HAWK CT, SUITE 200
Mailing City,State,Zip:	CARLSBAD, CA 92010
Owner Name:	THE LOST CONTINENT LP
Owner Type:	Private
Operator Name:	COSTCO WHOLESALE CORPORATION
Operator Type:	Private
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported

COSTCO WHOLESALE #1581 BUSINESS CENTER (Continued) **1027095677**

Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20220215
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Hazardous Waste Summary:

Waste Code:	D001
Waste Description:	IGNITABLE WASTE
Waste Code:	D002
Waste Description:	CORROSIVE WASTE
Waste Code:	D009
Waste Description:	MERCURY
Waste Code:	D018
Waste Description:	BENZENE
Waste Code:	D035
Waste Description:	METHYL ETHYL KETONE

Handler - Owner Operator:

Owner/Operator Indicator:	Operator
Owner/Operator Name:	COSTCO WHOLESALE CORPORATION
Legal Status:	Private
Date Became Current:	20220317
Date Ended Current:	Not reported
Owner/Operator Address:	999 LAKE DR
Owner/Operator City,State,Zip:	ISSAQUAH, WA 98027

COSTCO WHOLESALE #1581 BUSINESS CENTER (Continued) **1027095677**

Owner/Operator Telephone: 425-313-8100
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: ENVIRONMENTALCOMPLIANCE@COSTCO.COM

Owner/Operator Indicator: Owner
Owner/Operator Name: THE LOST CONTINENT LP
Legal Status: Private
Date Became Current: 20210528
Date Ended Current: Not reported
Owner/Operator Address: 600 EAST BROKAW
Owner/Operator City,State,Zip: SAN JOSE, CA 95112
Owner/Operator Telephone: 425-313-8100
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: ENVIRONMENTALCOMPLIANCE@COSTCO.COM

Historic Generators:
Receive Date: 20220214
Handler Name: COSTCO WHOLESALE #1581 BUSINESS CENTER
Federal Waste Generator Description: Conditionally Exempt Small Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: No
Electronic Manifest Broker: No

List of NAICS Codes and Descriptions:
NAICS Code: 56143
NAICS Description: BUSINESS SERVICE CENTERS

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

O111 **COSTCO BUSINESS CENTER #1581** **San Diego Co. HMMD** **S106466980**
SE **150 S BENT AVE** **CERS HAZ WASTE** **N/A**
1/8-1/4 **SAN MARCOS, CA 92078** **CERS**
0.149 mi.
789 ft. **Site 3 of 4 in cluster O**

Relative:
Higher

Actual:
547 ft.

HMMD SAN DIEGO:
Name: FRY'S ELECTRONIC
Address: 150 S BENT AV
City,State,Zip: SAN MARCOS, CA 92069
Permit Number: 203626
Business Type: 6HK18
EPA Id Number: Not reported
APN: 219-331-41-00

COSTCO BUSINESS CENTER #1581 (Continued) **S106466980**

Last HMMD Inspection:	08/19/2011
Facility Telephone:	760-566-1300
Permit Status:	OPEN
Permit Expiration:	09/30/2013
Date Last Updated:	11/02/2012
Facility Owner:	FRY'S ELECTRONICS, INC
Facility Mailing Address:	600 E. BROKAW RD
Facility Mailing City:	SAN JOSE
Facility Mailing State:	CA
Facility Mailing Zip:	95112
UST Owner:	Not reported
Handle Regulated Hazmat:	Y
Own Or Operate UST:	Not reported
Subject To APSA:	Y
Generate Haz Waste:	Not reported
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

Inventory Active Permits (not SQG Medical):

Permit Number:	203626
Update Date:	11/02/2012
Case Number:	68476-34-6
Name:	DIESEL FUEL
Other Information:	GENERATOR TANK
Material Waste:	Material
Hazardous Categories 1:	FIRE
Hazardous Categories 2:	CHRONIC

Violations Active Permits:

Permit Number:	203626
Update Date:	11/02/2012
Inspection Date:	06/15/2004
Violation Code:	6HV0131
Violation:	UPF Permit NOT OBTAINED for HAZWASTE
Violation Citation:	A Unified Program Facility permit has not been obtained for the generation of hazardous waste. 68.905
Activity:	ACTIVE

Permit Number:	203626
Update Date:	11/02/2012
Inspection Date:	06/15/2004
Violation Code:	6HV1002
Violation:	HMBP NOT ESTABISHED/IMPLEMENTED.
Violation Citation:	Hazardous materials handler has not established/implemented a business plan. HSC 25503.5(a)
Activity:	ACTIVE

Permit Number:	203626
Update Date:	11/02/2012
Inspection Date:	08/19/2011
Violation Code:	6HV1005
Violation:	HMBP: NO ER CONTACTS LISTED OR CURRENT
Violation Citation:	Business Plan does not list the name and 24 hour phone numbers of Emergency Contact persons or contact is not current. HSC 25509(a)(7)
Activity:	ACTIVE

Permit Number:	203626

COSTCO BUSINESS CENTER #1581 (Continued) **S106466980**

Update Date:	11/02/2012
Inspection Date:	08/19/2011
Violation Code:	6HV1009
Violation:	HMBP: INADEQUATE SITE MAP
Violation Citation:	Business Plan does not have a site map which provides sufficient or complete information for emergency response agencies. HSC 25509(a)(5) & 25505(a)(2)
Activity:	ACTIVE

Name:	FRY'S ELECTRONIC
Address:	150 S BENT AV
City,State,Zip:	SAN MARCOS, CA 92069
Permit Number:	203626
Business Type:	6HK18
EPA Id Number:	Not reported
APN:	219-331-41-00
Last HMMD Inspection:	08/19/2011
Facility Telephone:	760-566-1300
Permit Status:	OPEN
Permit Expiration:	09/30/2013
Date Last Updated:	11/02/2012
Facility Owner:	FRY'S ELECTRONICS, INC
Facility Mailing Address:	600 E. BROKAW RD
Facility Mailing City:	SAN JOSE
Facility Mailing State:	CA
Facility Mailing Zip:	95112
UST Owner:	Not reported
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Not reported
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

Inventory Active Permits (not SQG Medical):

Permit Number:	203626
Update Date:	11/02/2012
Case Number:	68476-34-6
Name:	DIESEL FUEL
Other Information:	GENERATOR TANK
Material Waste:	Material
Hazardous Categories 1:	FIRE
Hazardous Categories 2:	CHRONIC

Violations Active Permits:

Permit Number:	203626
Update Date:	11/02/2012
Inspection Date:	06/15/2004
Violation Code:	6HV0131
Violation:	UPF Permit NOT OBTAINED for HAZWASTE
Violation Citation:	A Unified Program Facility permit has not been obtained for the generation of hazardous waste. 68.905
Activity:	ACTIVE

Permit Number:	203626
Update Date:	11/02/2012

COSTCO BUSINESS CENTER #1581 (Continued) **S106466980**

Inspection Date:	06/15/2004
Violation Code:	6HV1002
Violation:	HMBP NOT ESTABISHED/IMPLEMENTED.
Violation Citation:	Hazardous materials handler has not established/implemented a business plan. HSC 25503.5(a)
Activity:	ACTIVE
Permit Number:	203626
Update Date:	11/02/2012
Inspection Date:	08/19/2011
Violation Code:	6HV1005
Violation:	HMBP: NO ER CONTACTS LISTED OR CURRENT
Violation Citation:	Business Plan does not list the name and 24 hour phone numbers of Emergency Contact persons or contact is not current. HSC 25509(a)(7)
Activity:	ACTIVE
Permit Number:	203626
Update Date:	11/02/2012
Inspection Date:	08/19/2011
Violation Code:	6HV1009
Violation:	HMBP: INADEQUATE SITE MAP
Violation Citation:	Business Plan does not have a site map which provides sufficient or complete information for emergency response agencies. HSC 25509(a)(5) & 25505(a)(2)
Activity:	ACTIVE

Name:	FRY'S ELECTRONIC
Address:	150 S BENT AV
City,State,Zip:	SAN MARCOS, CA 92069
Permit Number:	203626
Business Type:	6HK18
EPA Id Number:	Not reported
APN:	219-331-41-00
Last HMMD Inspection:	08/19/2011
Facility Telephone:	760-566-1300
Permit Status:	OPEN
Permit Expiration:	09/30/2013
Date Last Updated:	11/02/2012
Facility Owner:	FRY'S ELECTRONICS, INC
Facility Mailing Address:	600 E. BROKAW RD
Facility Mailing City:	SAN JOSE
Facility Mailing State:	CA
Facility Mailing Zip:	95112
UST Owner:	Not reported
Handle Regulated Hazmat:	Y
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Not reported
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

Inventory Active Permits (not SQG Medical):

Permit Number:	203626
Update Date:	11/02/2012
Case Number:	68476-34-6
Name:	DIESEL FUEL
Other Information:	GENERATOR TANK

COSTCO BUSINESS CENTER #1581 (Continued) **S106466980**

Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: CHRONIC

Violations Active Permits:
Permit Number: 203626
Update Date: 11/02/2012
Inspection Date: 06/15/2004
Violation Code: 6HV0131
Violation: UPF Permit NOT OBTAINED for HAZWASTE
Violation Citation: A Unified Program Facility permit has not been obtained for the generation of hazardous waste. 68.905
Activity: ACTIVE

Permit Number: 203626
Update Date: 11/02/2012
Inspection Date: 06/15/2004
Violation Code: 6HV1002
Violation: HMBP NOT ESTABISHED/IMPLEMENTED.
Violation Citation: Hazardous materials handler has not established/implemented a business plan. HSC 25503.5(a)
Activity: ACTIVE

Permit Number: 203626
Update Date: 11/02/2012
Inspection Date: 08/19/2011
Violation Code: 6HV1005
Violation: HMBP: NO ER CONTACTS LISTED OR CURRENT
Violation Citation: Business Plan does not list the name and 24 hour phone numbers of Emergency Contact persons or contact is not current. HSC 25509(a)(7)
Activity: ACTIVE

Permit Number: 203626
Update Date: 11/02/2012
Inspection Date: 08/19/2011
Violation Code: 6HV1009
Violation: HMBP: INADEQUATE SITE MAP
Violation Citation: Business Plan does not have a site map which provides sufficient or complete information for emergency response agencies. HSC 25509(a)(5) & 25505(a)(2)
Activity: ACTIVE

CERS HAZ WASTE:
Name: COSTCO BUSINESS CENTER #1581
Address: 150 S BENT AVE
City,State,Zip: SAN MARCOS, CA 92078
Site ID: 612232
CERS ID: 10376098
CERS Description: Hazardous Waste Generator

CERS:
Name: COSTCO BUSINESS CENTER #1581
Address: 150 S BENT AVE
City,State,Zip: SAN MARCOS, CA 92078
Site ID: 612232

COSTCO BUSINESS CENTER #1581 (Continued) **S106466980**

CERS ID: 10376098
CERS Description: Chemical Storage Facilities

Violations:

Site ID: 612232
Site Name: Costco Business Center #1581
Violation Date: 08-13-2014
Citation: HSC 6.95 25508(b) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(b)
Violation Description: Failure to review, revise, and recertify the business plan at least once every three years.
Violation Notes: Returned to compliance on 10/23/2014.
Violation Division: San Diego County Department of Env Health
Violation Program: HMRRP
Violation Source: CERS,

Site ID: 612232
Site Name: Costco Business Center #1581
Violation Date: 08-13-2014
Citation: HSC 6.95 25508.2 - California Health and Safety Code, Chapter 6.95, Section(s) 25508.2
Violation Description: Failure to annually review and electronically certify that the business plan is complete, accurate, and up-to-date.
Violation Notes: Returned to compliance on 10/23/2014.
Violation Division: San Diego County Department of Env Health
Violation Program: HMRRP
Violation Source: CERS,

Site ID: 612232
Site Name: Costco Business Center #1581
Violation Date: 03-23-2018
Citation: 22 CCR 23 66273.34 - California Code of Regulations, Title 22, Chapter 23, Section(s) 66273.34
Violation Description: Failure to label or mark each individual or container or the designated area of universal waste as required. 1) Waste batteries shall be marked with "Universal Waste-Battery(ies) . 2) Mercury containing equipment shall be marked with "Universal Waste -Mercury-Containing Equipment . 3) Lamps shall be marked with Universal Waste-Lamp(s) . 4)Each electronic devices or the container or the designated area shall be marked with Universal Waste-Electronic Device(s) . 5) Each CRTs or the container or the designated area shall be marked with "Universal Waste-CRT(s) . 6) CRT glass or the designated area shall be marked with Universal Waste-CRT glass .
Violation Notes: Returned to compliance on 10/21/2020. Inspection Sequence ID:5932604
Violation Division: San Diego County Department of Env Health
Violation Program: HW
Violation Source: CERS,

Site ID: 612232
Site Name: Costco Business Center #1581
Violation Date: 10-21-2020
Citation: 22 CCR 12 66262.11 - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.11
Violation Description: Failure to determine if wastes generated are hazardous waste by using generator knowledge or applying testing method.
Violation Notes: Returned to compliance on 01/24/2022. Inspection Sequence ID:6408409
Violation Division: San Diego County Department of Env Health
Violation Program: HW

COSTCO BUSINESS CENTER #1581 (Continued) **S106466980**

Violation Source:	CERS,
Site ID:	612232
Site Name:	Costco Business Center #1581
Violation Date:	03-23-2018
Citation:	HSC 6.95 25505(a)(4) - California Health and Safety Code, Chapter 6.95, Section(s) 25505(a)(4)
Violation Description:	Failure to provide initial and annual training to all employees in safety procedures in the event of a release or threatened release of a hazardous material or failure to document and maintain training records for a minimum of three years.
Violation Notes:	Returned to compliance on 10/21/2020. Inspection Sequence ID:5932604
Violation Division:	San Diego County Department of Env Health
Violation Program:	HMRRP
Violation Source:	CERS,
Site ID:	612232
Site Name:	Costco Business Center #1581
Violation Date:	10-21-2020
Citation:	40 CFR 1 262.34(d)(5)(iii) - U.S. Code of Federal Regulations, Title 40, Chapter 1, Section(s) 262.34(d)(5)(iii)
Violation Description:	Failure to ensure that all employees are thoroughly familiar with proper waste handling and emergency procedures, relevant to their responsibilities during normal facility operations and emergencies.
Violation Notes:	Returned to compliance on 01/24/2022. Inspection Sequence ID:6408409
Violation Division:	San Diego County Department of Env Health
Violation Program:	HW
Violation Source:	CERS,
Site ID:	612232
Site Name:	Costco Business Center #1581
Violation Date:	03-23-2018
Citation:	HSC 6.95 25505(c) - California Health and Safety Code, Chapter 6.95, Section(s) 25505(c)
Violation Description:	Failure to have a business plan readily available to personnel of the business or the unified program facility with responsibilities for emergency response or training.
Violation Notes:	Returned to compliance on 10/21/2020. Inspection Sequence ID:5932604
Violation Division:	San Diego County Department of Env Health
Violation Program:	HMRRP
Violation Source:	CERS,
Site ID:	612232
Site Name:	Costco Business Center #1581
Violation Date:	10-21-2020
Citation:	22 CCR 12 66262.34(f) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.34(f)
Violation Description:	Failure to properly label hazardous waste accumulation containers and portable tanks with the following requirements: "Hazardous Waste", name and address of the generator, physical and chemical characteristics of the Hazardous Waste, and starting accumulation date.
Violation Notes:	Returned to compliance on 01/24/2022. Inspection Sequence ID:6408409
Violation Division:	San Diego County Department of Env Health
Violation Program:	HW
Violation Source:	CERS,

COSTCO BUSINESS CENTER #1581 (Continued) **S106466980**

Site ID: 612232
Site Name: Costco Business Center #1581
Violation Date: 03-22-2021
Citation: 22 CCR 12 66262.11 - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.11
Violation Description: Failure to determine if wastes generated are hazardous waste by using generator knowledge or applying testing method.
Violation Notes: Inspection Sequence ID:6694504
Violation Division: San Diego County Department of Env Health
Violation Program: HW
Violation Source: CERS,

Evaluation:
Eval General Type: Other/Unknown
Eval Date: 03-22-2021
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Inspector: Eivaz Chantal Inspection ID:6694504
Eval Division: San Diego County Department of Env Health
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 03-23-2018
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Inspector: Enforcement HPC074 Inspection ID:5932604
Eval Division: San Diego County Department of Env Health
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 08-13-2014
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Inspector: Beacon Ellen Inspection ID:5101849
Eval Division: San Diego County Department of Env Health
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 09-20-2016
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Inspector: Calcagno Leonardo Inspection ID:5490928
Eval Division: San Diego County Department of Env Health
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 10-21-2020
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Inspector: Eivaz Chantal Inspection ID:6408409
Eval Division: San Diego County Department of Env Health
Eval Program: HW
Eval Source: CERS,

COSTCO BUSINESS CENTER #1581 (Continued) **S106466980**

Eval General Type:	Other/Unknown
Eval Date:	03-22-2021
Violations Found:	Yes
Eval Type:	Other, not routine, done by local agency
Eval Notes:	Inspector: Eivaz Chantal Inspection ID:6694504
Eval Division:	San Diego County Department of Env Health
Eval Program:	HW
Eval Source:	CERS,

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	03-23-2018
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Inspector: Enforcement HPC074 Inspection ID:5932604
Eval Division:	San Diego County Department of Env Health
Eval Program:	HW
Eval Source:	CERS,

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	08-13-2014
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Inspector: Beacon Ellen Inspection ID:5101849
Eval Division:	San Diego County Department of Env Health
Eval Program:	CalARP
Eval Source:	CERS,

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	10-21-2020
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Inspector: Eivaz Chantal Inspection ID:6408409
Eval Division:	San Diego County Department of Env Health
Eval Program:	HMRRP
Eval Source:	CERS,

Coordinates:

Site ID:	612232
Facility Name:	Costco Business Center #1581
Env Int Type Code:	HMBP
Program ID:	10376098
Coord Name:	Not reported
Ref Point Type Desc:	Center of a facility or station.,
Latitude:	33.137660
Longitude:	-117.183880

Affiliation:

Affiliation Type Desc:	CUPA District
Entity Name:	San Diego County Env Health Qlty
Entity Title:	Not reported
Affiliation Address:	PO Box 129261
Affiliation City:	San Diego
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92112-9261
Affiliation Phone:	(858) 505-6880,

COSTCO BUSINESS CENTER #1581 (Continued) **S106466980**

Affiliation Type Desc:	Environmental Contact
Entity Name:	Global Sustainability and Compliance Attn: Sharon Saknit
Entity Title:	Not reported
Affiliation Address:	1045 Lake Drive
Affiliation City:	Issaquah
Affiliation State:	WA
Affiliation Country:	Not reported
Affiliation Zip:	98027
Affiliation Phone:	,

Affiliation Type Desc:	Identification Signer
Entity Name:	Tristan Guison, Agent for Costco Wholesale Corp.
Entity Title:	Reg. Business Solutions & Services Lead, Verisk 3E
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,

Affiliation Type Desc:	Document Preparer
Entity Name:	Tristan Guison, Agent for Costco Wholesale Corp.
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,

Affiliation Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	Not reported
Affiliation Address:	Costco Licensing, P.O. Box 35005
Affiliation City:	Seattle
Affiliation State:	WA
Affiliation Country:	Not reported
Affiliation Zip:	98124
Affiliation Phone:	,

Affiliation Type Desc:	Legal Owner
Entity Name:	Costco Wholesale Corporation
Entity Title:	Not reported
Affiliation Address:	999 Lake Drive
Affiliation City:	Issaquah
Affiliation State:	WA
Affiliation Country:	United States
Affiliation Zip:	98027
Affiliation Phone:	(425) 313-8100,

Affiliation Type Desc:	Parent Corporation
Entity Name:	Costco
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported

COSTCO BUSINESS CENTER #1581 (Continued) **S106466980**

Affiliation Zip:	Not reported
Affiliation Phone:	,
Affiliation Type Desc:	Operator
Entity Name:	Costco Wholesale Corporation
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	(425) 313-8100,

Q112 **CREATIVE ELECTRON INC** **RCRA-SQG** **1012175934**
SW **310 VIA VERA CRUZ** **CAR000197475**
1/8-1/4 **SAN MARCOS, CA 92078**
0.168 mi.
885 ft. **Site 1 of 2 in cluster Q**

Relative: **Lower**
Actual: **537 ft.**

RCRA Listings:

Date Form Received by Agency:		20081218
Handler Name:	CREATIVE ELECTRON INC	
Handler Address:		310 VIA VERA CRUZ
Handler City,State,Zip:		SAN MARCOS, CA 92078
EPA ID:		CAR000197475
Contact Name:		GUILHERME CARDOSO
Contact Address:		310 VIA VERA CRUZ
Contact City,State,Zip:		SAN MARCOS, CA 92078
Contact Telephone:		760-752-1192
Contact Fax:		Not reported
Contact Email:		BCARDOSO@CREATIVEELECTRON.COM
Contact Title:		Not reported
EPA Region:		09
Land Type:		Private
Federal Waste Generator Description:		Small Quantity Generator
Non-Notifier:		Not reported
Biennial Report Cycle:		Not reported
Accessibility:		Not reported
Active Site Indicator:		Handler Activities
State District Owner:		Not reported
State District:		Not reported
Mailing Address:		310 VIA VERA CRUZ
Mailing City,State,Zip:		SAN MARCOS, CA 92078
Owner Name:	GUILHERME CARDOSO	
Owner Type:		Private
Operator Name:	GUILHERME CARDOSO	
Operator Type:		Private
Short-Term Generator Activity:		No
Importer Activity:		No
Mixed Waste Generator:		No
Transporter Activity:		No
Transfer Facility Activity:		No
Recycler Activity with Storage:		No
Small Quantity On-Site Burner Exemption:		No
Smelting Melting and Refining Furnace Exemption:		No
Underground Injection Control:		No
Off-Site Waste Receipt:		No

CREATIVE ELECTRON INC (Continued) **1012175934**

Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	NN
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20081223
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	Not reported
Manifest Broker:	Not reported
Sub-Part P Indicator:	No

Hazardous Waste Summary:

Waste Code:	D001
Waste Description:	IGNITABLE WASTE
Waste Code:	D002
Waste Description:	CORROSIVE WASTE
Waste Code:	D006
Waste Description:	CADMIUM

CREATIVE ELECTRON INC (Continued) **1012175934**

Waste Code: D008
Waste Description: LEAD

Waste Code: D011
Waste Description: SILVER

Waste Code: D035
Waste Description: METHYL ETHYL KETONE

Waste Code: F003
Waste Description: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Waste Code: F005
Waste Description: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Handler - Owner Operator:

Owner/Operator Indicator:	Operator
Owner/Operator Name: GUILHERME CARDOSO	
Legal Status:	Private
Date Became Current:	20081111
Date Ended Current:	Not reported
Owner/Operator Address:	Not reported
Owner/Operator City,State,Zip:	Not reported
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Owner
Owner/Operator Name: GUILHERME CARDOSO	
Legal Status:	Private
Date Became Current:	20081111
Date Ended Current:	Not reported
Owner/Operator Address:	310 VIA VERA CRUZ
Owner/Operator City,State,Zip:	SAN MARCOS, CA 92078
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

CREATIVE ELECTRON INC (Continued) **1012175934**

Receive Date: 20081218
Handler Name: CREATIVE ELECTRON INC
Federal Waste Generator Description: Small Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Code: 334413
NAICS Description: SEMICONDUCTOR AND RELATED DEVICE MANUFACTURING

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

113
NNW
1/8-1/4
0.171 mi.
903 ft.

TEAMWORK ATHLETIC
166 NEWPORT DR
SAN MARKOS, CA 92069

RCRA NonGen / NLR **1025849917**
CAC003030005

Relative:
Higher

Actual:
553 ft.

RCRA Listings:
Date Form Received by Agency: 20190819
Handler Name: TEAMWORK ATHLETIC
Handler Address: 166 NEWPORT DR
Handler City,State,Zip: SAN MARCOS, CA 92069
EPA ID: CAC003030005
Contact Name: TYLER THOMAS
Contact Address: 166 NEWPORT DR
Contact City,State,Zip: SAN MARCOS, CA 92069
Contact Telephone: 760-471-5370
Contact Fax: Not reported
Contact Email: OPERATIONS@HECHAYWARD.COM
Contact Title: Not reported
EPA Region: 09
Land Type: Not reported
Federal Waste Generator Description: Not a generator, verified
Non-Notifier: Not reported
Biennial Report Cycle: Not reported
Accessibility: Not reported
Active Site Indicator: Not reported
State District Owner: Not reported
State District: Not reported
Mailing Address: 166 NEWPORT DR
Mailing City,State,Zip: SAN MARCOS, CA 92069
Owner Name: TYLER THOMAS
Owner Type: Other

TEAMWORK ATHLETIC (Continued) **1025849917**

Operator Name:	TYLER THOMAS
Operator Type:	Other
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20190910
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

TEAMWORK ATHLETIC (Continued) **1025849917**

Handler - Owner Operator:
Owner/Operator Indicator: Owner
Owner/Operator Name: TYLER THOMAS
Legal Status: Other
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: 166 NEWPORT DR
Owner/Operator City,State,Zip: SAN MARCOS, CA 92069
Owner/Operator Telephone: 760-471-5370
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator
Owner/Operator Name: TYLER THOMAS
Legal Status: Other
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: 166 NEWPORT DR
Owner/Operator City,State,Zip: SAN MARCOS, CA 92069
Owner/Operator Telephone: 760-471-5370
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:
Receive Date: 20190819
Handler Name: TEAMWORK ATHLETIC
Federal Waste Generator Description: Not a generator, verified
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Code: 33992
NAICS Description: SPORTING AND ATHLETIC GOODS MANUFACTURING

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

O114 **SAN MARCOS MINI STORAGE SITE** **SEMS-ARCHIVE** **1003879624**
SE **165 S. BENT AVE** **PRP** **CAD983615154**
1/8-1/4 **SAN MARCOS, CA 92069**
0.171 mi.
904 ft. **Site 4 of 4 in cluster O**

Relative:
Higher

Actual:
547 ft.

SEMS Archive:

Site ID:	0904230
EPA ID:	CAD983615154
Name:	SAN MARCOS MINI STORAGE SITE
Address:	165 S. BENT AVE
Address 2:	Not reported
City,State,Zip:	SAN MARCOS, CA 92069
Cong District:	43
FIPS Code:	06073
FF:	N
NPL:	Not on the NPL
Non NPL Status:	Removal Only Site (No Site Assessment Work Needed)

SEMS Archive Detail:

Region:	09
Site ID:	0904230
EPA ID:	CAD983615154
Site Name:	SAN MARCOS MINI STORAGE SITE
NPL:	N
FF:	N
OU:	00
Action Code:	VS
Action Name:	ARCH SITE
SEQ:	1
Start Date:	Not reported
Finish Date:	1996-01-23 05:00:00
Qual:	Not reported
Current Action Lead:	EPA Perf In-Hse

Region:	09
Site ID:	0904230
EPA ID:	CAD983615154
Site Name:	SAN MARCOS MINI STORAGE SITE
NPL:	N
FF:	N
OU:	00
Action Code:	RC
Action Name:	RVL CRP
SEQ:	1
Start Date:	1992-01-06 05:00:00
Finish Date:	Not reported
Qual:	Not reported
Current Action Lead:	EPA Perf

Region:	09
Site ID:	0904230
EPA ID:	CAD983615154
Site Name:	SAN MARCOS MINI STORAGE SITE
NPL:	N
FF:	N
OU:	00
Action Code:	RV
Action Name:	RMVL
SEQ:	1

SAN MARCOS MINI STORAGE SITE (Continued) **1003879624**

Start Date:	1992-01-06 05:00:00
Finish Date:	1992-01-08 05:00:00
Qual:	C
Current Action Lead:	EPA Perf
Region:	09
Site ID:	0904230
EPA ID:	CAD983615154
Site Name:	SAN MARCOS MINI STORAGE SITE
NPL:	N
FF:	N
OU:	00
Action Code:	AR
Action Name:	ADMIN REC
SEQ:	1
Start Date:	1992-02-03 05:00:00
Finish Date:	1992-02-03 05:00:00
Qual:	V
Current Action Lead:	EPA Perf

PRP:

PRP Name:	RICHARD CAMPBELL
	SAN MARCOS MINI STORAGE

Q115 **STIGTEC** **RCRA NonGen / NLR** **1024804838**
WSW **1125 LINDA VISTA DR STE 110** **CAL000260343**
1/8-1/4 **SAN MARCOS, CA 92069**
0.175 mi.
925 ft. **Site 2 of 2 in cluster Q**

Relative: **Lower**

Actual: **537 ft.**

RCRA Listings:

Date Form Received by Agency:		20021007
Handler Name:	STIGTEC	
Handler Address:		1125 LINDA VISTA DR STE 110
Handler City,State,Zip:		SAN MARCOS, CA 92069-0000
EPA ID:		CAL000260343
Contact Name:		CYNTHIA VARELA
Contact Address:		1125 LINDA VISTA DR STE 110
Contact City,State,Zip:		SAN MARCOS, CA 92078
Contact Telephone:		760-744-7239
Contact Fax:		760-744-9638
Contact Email:		CYNTHIA@STIGTEC.COM
Contact Title:		Not reported
EPA Region:		09
Land Type:		Not reported
Federal Waste Generator Description:		Not a generator, verified
Non-Notifier:		Not reported
Biennial Report Cycle:		Not reported
Accessibility:		Not reported
Active Site Indicator:		Handler Activities
State District Owner:		Not reported
State District:		Not reported
Mailing Address:		1125 LINDA VISTA DR #110
Mailing City,State,Zip:		SAN MARCOS, CA 92078-0000
Owner Name:	TERESA STIGLIC	
Owner Type:		Other
Operator Name:	CYNTHIA VARELA	

STIGTEC (Continued) **1024804838**

Operator Type:	Other
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	Yes
Universal Waste Destination Facility:	Yes
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20180905
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

STIGTEC (Continued) **1024804838**

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name: TERESA STIGLIC	
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	1125 LINDA VISTA DR STE 110
Owner/Operator City,State,Zip:	SAN MARCOS, CA 92078-0000
Owner/Operator Telephone:	760-744-7239
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name: CYNTHIA VARELA	
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	1125 LINDA VISTA DR STE 110
Owner/Operator City,State,Zip:	SAN MARCOS, CA 92078
Owner/Operator Telephone:	760-744-7239
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	20021007
Handler Name: STIGTEC	
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

List of NAICS Codes and Descriptions:

NAICS Code:	33271
NAICS Description:	MACHINE SHOPS

Facility Has Received Notices of Violations:

Violations:	No Violations Found

Evaluation Action Summary:

Evaluations:	No Evaluations Found

116
ESE
1/8-1/4
0.180 mi.
952 ft.

MODERN BUILDERS SUPPLY
825 GRAND AVE
SAN MARCOS, CA 92069

RCRA NonGen / NLR

1024800550
CAL000220831

Relative:
Higher

Actual:
552 ft.

RCRA Listings:

Date Form Received by Agency:		20020213
Handler Name:	MODERN BUILDERS SUPPLY	
Handler Address:		825 GRAND AVE
Handler City,State,Zip:		SAN MARCOS, CA 92069-0000
EPA ID:		CAL000220831
Contact Name:		NIKOS PARIS
Contact Address:		825 GRAND AVE
Contact City,State,Zip:		SAN MARCOS, CA 92079
Contact Telephone:		760-591-4570
Contact Fax:		000-000-0000
Contact Email:		NIKOS@MODERNBUILDERS.NET
Contact Title:		Not reported
EPA Region:		09
Land Type:		Not reported
Federal Waste Generator Description:		Not a generator, verified
Non-Notifier:		Not reported
Biennial Report Cycle:		Not reported
Accessibility:		Not reported
Active Site Indicator:		Handler Activities
State District Owner:		Not reported
State District:		Not reported
Mailing Address:		PO BOX 1298
Mailing City,State,Zip:		SAN MARCOS, CA 92079-0000
Owner Name:	BILL GIBNEY & RAY RAUB	
Owner Type:		Other
Operator Name:	NIKOS PARIS	
Operator Type:		Other
Short-Term Generator Activity:		No
Importer Activity:		No
Mixed Waste Generator:		No
Transporter Activity:		No
Transfer Facility Activity:		No
Recycler Activity with Storage:		No
Small Quantity On-Site Burner Exemption:		No
Smelting Melting and Refining Furnace Exemption:		No
Underground Injection Control:		No
Off-Site Waste Receipt:		No
Universal Waste Indicator:		Yes
Universal Waste Destination Facility:		Yes
Federal Universal Waste:		No
Active Site Fed-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site Converter Treatment storage and Disposal Facility:		Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site State-Reg Handler:		---
Federal Facility Indicator:		Not reported
Hazardous Secondary Material Indicator:		N
Sub-Part K Indicator:		Not reported
Commercial TSD Indicator:		No
Treatment Storage and Disposal Type:		Not reported
2018 GPRA Permit Baseline:		Not on the Baseline
2018 GPRA Renewals Baseline:		Not on the Baseline
Permit Renewals Workload Universe:		Not reported

MODERN BUILDERS SUPPLY (Continued) **1024800550**

Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20180905
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name: BILL GIBNEY & RAY RAUB	
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	PO BOX 1298
Owner/Operator City,State,Zip:	SAN MARCOS, CA 92079-0000
Owner/Operator Telephone:	760-591-4570
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name: NIKOS PARIS	
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	825 GRAND AVE
Owner/Operator City,State,Zip:	SAN MARCOS, CA 92079
Owner/Operator Telephone:	760-591-4570
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

MODERN BUILDERS SUPPLY (Continued) **1024800550**

Historic Generators:
Receive Date: 20020213
Handler Name: MODERN BUILDERS SUPPLY
Federal Waste Generator Description: Not a generator, verified
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Code: 44419
NAICS Description: OTHER BUILDING MATERIAL DEALERS

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

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117 South 1/8-1/4 0.182 mi. 962 ft. **NO. CO. HEALTH SVCS. SAN MARCOS LOT** **ENVIROSTOR** **S118756864**
BOARDWALK & PARK PLACE **N/A**
SAN MARCOS, CA 92069

Relative: Lower

Actual: 538 ft.

ENVIROSTOR:
Name: NO. CO. HEALTH SVCS. SAN MARCOS LOT
Address: BOARDWALK & PARK PLACE
City,State,Zip: SAN MARCOS, CA 92069
Facility ID: 37800068
Status: No Action Required
Status Date: 08/30/1995
Site Code: 400524
Site Type: Calmortgage
Site Type Detailed: Calmortgage
Acres: 0
NPL: NO
Regulatory Agencies: SMBRP
Lead Agency: SMBRP
Program Manager: Not reported
Supervisor: Juan Peng
Division Branch: Cleanup Sacramento
Assembly: 75
Senate: 38
Special Program: Not reported
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: CalMortgage
Latitude: 33.13611
Longitude: -117.1872

NO. CO. HEALTH SVCS. SAN MARCOS LOT (Continued) **S118756864**

APN: NONE SPECIFIED
Past Use: NONE
Potential COC: NONE SPECIFIED No Contaminants found
Confirmed COC: No Contaminants found
Potential Description: NMA
Alias Name: 400524
Alias Type: Project Code (Site Code)
Alias Name: 37800068
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Phase 1
Completed Date: 08/30/1995
Comments: Pursuant to the MOU, DTSC has prepared a Phase I Environmental Assessment for the North County Health Services (NCHS). The subject properties are vacant, undeveloped lots owned by NCHS which are located in the city of San Marcos. No development of the lots is being proposed at this time. A Phase I Report was prepared by DTSC and concluded that no action was needed for this property; there is no contamination on the property.

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

R118 **WALTER TRUCKING, INC, R.D.** **SWEEPS UST** **S106934209**
SE **173 S BENT AVE** **SAN DIEGO CO LOP** **N/A**
1/8-1/4 **SAN MARCOS, CA 92069**
0.197 mi.
1041 ft. **Site 1 of 4 in cluster R**

Relative:
Higher

Actual:
547 ft.

SWEEPS UST:
Name: WALTER TRUCKING, INC, R.D.
Address: 173 S BENT AVE
City: SAN MARCOS
Status: Not reported
Comp Number: 2912
Number: Not reported
Board Of Equalization: Not reported
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 37-000-002912-000001
Tank Status: Not reported
Capacity: 10000
Active Date: Not reported
Tank Use: M.V. FUEL
STG: PRODUCT
Content: OTHER

WALTER TRUCKING, INC, R.D. (Continued) **S106934209**

Number Of Tanks: 1

Name: WALTER TRUCKING, INC, R.D.
Address: 173 S BENT AVE
City: SAN MARCOS
Status: Active
Comp Number: 2912
Number: 9
Board Of Equalization: Not reported
Referral Date: Not reported
Action Date: 06-26-92
Created Date: 02-29-88
Owner Tank Id: Not reported
SWRCB Tank Id: Not reported
Tank Status: Not reported
Capacity: Not reported
Active Date: Not reported
Tank Use: Not reported
STG: Not reported
Content: Not reported
Number Of Tanks: Not reported

SAN DIEGO CO LOP:
Name: WALTER TRUCKING, INC, R.D.
Address: 173 S BENT AVE
City,State,Zip: SAN MARCOS, CA 92069
Record ID: DEH1989-LSAM-H02912-001
Record Status: Completed
Opened Date: 08/10/1989
Parcel Number: 219-180-27-00
Case Type: LOP - Local Oversight Program
Historical Name: R.D. WALTER TRUCKING, INC.
SWRCB Global ID: T0607300359
Funding: F - LOP Federal Fund
Lead Agency: DEH/SAM
Lead Agency Date: 10/12/1989
Census Tract: Not reported
Community: Not reported
Jurisdiction: Not reported
Watershed Basin Number: Not reported
Water Purveyor: Not reported
Fire Agency: Not reported
Latitude: Not reported
Longitude: Not reported
X MapCoord: Not reported
Y MapCoord: Not reported

R119 **WALTER TRUCKING, INC, R.D.** **LUST** **S100726069**
SE **173 S BENT AV** **SAN DIEGO CO. SAM** **N/A**
1/8-1/4 **SAN MARCOS, CA 92069** **San Diego Co. HMMD**
0.197 mi. **Cortese**
1041 ft. **Site 2 of 4 in cluster R** **CERS**

Relative: LUST:
Higher Name: WALTER TRUCKING, INC, R.D.
Address: 173 S BENT AV
Actual: City,State,Zip: SAN MARCOS, CA 920694201
547 ft.

WALTER TRUCKING, INC, R.D. (Continued) **S100726069**

Lead Agency:	SAN DIEGO COUNTY LOP
Case Type:	LUST Cleanup Site
Geo Track:	http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0607300359
Global Id:	T0607300359
Latitude:	33.1373101
Longitude:	-117.1822843
Status:	Completed - Case Closed
Status Date:	11/03/1995
Case Worker:	Not reported
RB Case Number:	9UT1540
Local Agency:	Not reported
File Location:	Local Agency
Local Case Number:	H02912-001
Potential Media Affect:	Aquifer used for drinking water supply
Potential Contaminants of Concern:	Diesel
Site History:	Not reported

LUST:

Global Id:	T0607300359
Action Type:	Other
Date:	08/10/1989
Action:	Leak Reported

Global Id:	T0607300359
Action Type:	ENFORCEMENT
Date:	10/13/1989
Action:	Notice of Responsibility

Global Id:	T0607300359
Action Type:	Other
Date:	08/10/1989
Action:	Leak Began

Global Id:	T0607300359
Action Type:	Other
Date:	08/10/1989
Action:	Leak Stopped

Global Id:	T0607300359
Action Type:	Other
Date:	08/10/1989
Action:	Leak Discovery

LUST:

Global Id:	T0607300359
Status:	Open - Case Begin Date
Status Date:	08/10/1989

Global Id:	T0607300359
Status:	Completed - Case Closed
Status Date:	11/03/1995

SAN DIEGO CO. SAM:

Name:	WALTER TRUCKING, INC, R.D.
Address:	173 S BENT AV
City,State,Zip:	SAN MARCOS, CA 920694201

WALTER TRUCKING, INC, R.D. (Continued) **S100726069**

Case Number: H02912-001
Agency: DEH Site Assessment & Mitigation
Funding: **LOP - Federal Fund**
Facility Type: Drinking Water Aquifer Impacted
Facility Status: Closed Case
Date: 11/3/1995
Date Began: 8/10/1989

HMMD SAN DIEGO:
Name: WALTER TRUCKING, INC, R.D.
Address: 173 S BENT AV
City,State,Zip: SAN MARCOS, CA 92069
Permit Number: 102912
Business Type: 6HK26
EPA Id Number: CAL000020336
APN: 219-180-27-00
Last HMMD Inspection: 01/02/2001
Facility Telephone: 619-744-1465
Permit Status: INAC
Permit Expiration: 01/02/2001
Date Last Updated: 11/02/2012
Facility Owner: BOB WALTER
Facility Mailing Address: 1531 W MISSION RD #F
Facility Mailing City: SAN MARCOS
Facility Mailing State: CA
Facility Mailing Zip: 92069-1255
UST Owner: R D WALTER TRUCKING INC
Handle Regulated Hazmat: Not reported
Own Or Operate UST: Not reported
Subject To APSA: Not reported
Generate Haz Waste: Y
Treat Haz Waste: Not reported
Generate Medical Waste: Not reported

UST:
UST Name: UNDERGROUND TANK 102912 T001
Last Update: 2012-11-02 14:17:38
Permit Number: 102912
Tank Type: SINGLE WALL
Additional Id: 101
Capacity Gallons: 10000
UST Contents: DIESEL
Other Content Info: DIESEL
Reg Status: REMOVED
Remove Close Date: 1989-10-08 00:00:00
Year Installed: 1970-01-01 00:00:00
Pipe Type: Not reported
Delivery System: Not reported
Monitor Code: 05
UST Monitor Method: SW TANK DW PIPE W/ POS SHUTOFF-ALARM ON LLD W/ SIRS:SIR ANALY MONTHLY, TANK TEST BIENNIALLY, PIPE TEST ANN 0.1 G/HR OR MO 0.2 G/HR

CORTESE:
Name: WALTER TRUCKING, INC, R.D.
Address: 173 S BENT AV
City,State,Zip: SAN MARCOS, CA 920694201

WALTER TRUCKING, INC, R.D. (Continued) **S100726069**

Region:	CORTESE
Envirostor Id:	Not reported
Global ID:	T0607300359
Site/Facility Type:	LUST CLEANUP SITE
Cleanup Status:	COMPLETED - CASE CLOSED
Status Date:	Not reported
Site Code:	Not reported
Latitude:	Not reported
Longitude:	Not reported
Owner:	Not reported
Enf Type:	Not reported
Swat R:	Not reported
Flag:	active
Order No:	Not reported
Waste Discharge System No:	Not reported
Effective Date:	Not reported
Region 2:	Not reported
WID Id:	Not reported
Solid Waste Id No:	Not reported
Waste Management Uit Name:	Not reported
File Name:	Active Open

CERS:

Name:	WALTER TRUCKING, INC, R.D.
Address:	173 S BENT AV
City,State,Zip:	SAN MARCOS, CA 920694201
Site ID:	211105
CERS ID:	T0607300359
CERS Description:	Leaking Underground Storage Tank Cleanup Site

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S120 **PARABILIS SPACE TECHNOLOGIES INC** **RCRA-VSQG** **1018274058**
WSW **1145 LINDA VISTA DR STE 111** **FINDS** **CAR000263012**
1/8-1/4 **SAN MARCOS, CA 92078** **ECHO**
0.202 mi.
1066 ft. **Site 1 of 4 in cluster S**

Relative: **Lower**
Actual: **534 ft.**

RCRA Listings:

Date Form Received by Agency:	20160503
Handler Name:	PARABILIS SPACE TECHNOLOGIES INC
Handler Address:	1145 LINDA VISTA DR STE 111
Handler City,State,Zip:	SAN MARCOS, CA 92078
EPA ID:	CAR000263012
Contact Name:	ROBERT THICKSTEN
Contact Address:	LINDA VISTA DR STE 111
Contact City,State,Zip:	SAN MARCOS, CA 92078
Contact Telephone:	760-519-2101
Contact Fax:	Not reported
Contact Email:	BOB.THICKSTEN@PARABILIS-SPACE.COM
Contact Title:	FACILITIES MANAGER
EPA Region:	09
Land Type:	Private
Federal Waste Generator Description:	Conditionally Exempt Small Quantity Generator
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Handler Activities
State District Owner:	Not reported

PARABILIS SPACE TECHNOLOGIES INC (Continued) **1018274058**

State District:		Not reported
Mailing Address:		LINDA VISTA DR STE 111
Mailing City,State,Zip:		SAN MARCOS, CA 92078
Owner Name:	PARABILIS SPACE TECHNOLOGIES INC	
Owner Type:		Private
Operator Name:	DAVID STEICH	
Operator Type:		Private
Short-Term Generator Activity:		No
Importer Activity:		No
Mixed Waste Generator:		No
Transporter Activity:		No
Transfer Facility Activity:		No
Recycler Activity with Storage:		No
Small Quantity On-Site Burner Exemption:		No
Smelting Melting and Refining Furnace Exemption:		No
Underground Injection Control:		No
Off-Site Waste Receipt:		No
Universal Waste Indicator:		No
Universal Waste Destination Facility:		No
Federal Universal Waste:		No
Active Site Fed-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site Converter Treatment storage and Disposal Facility:		Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site State-Reg Handler:		---
Federal Facility Indicator:		Not reported
Hazardous Secondary Material Indicator:		NN
Sub-Part K Indicator:		Not reported
Commercial TSD Indicator:		No
Treatment Storage and Disposal Type:		Not reported
2018 GPRA Permit Baseline:		Not on the Baseline
2018 GPRA Renewals Baseline:		Not on the Baseline
Permit Renewals Workload Universe:		Not reported
Permit Workload Universe:		Not reported
Permit Progress Universe:		Not reported
Post-Closure Workload Universe:		Not reported
Closure Workload Universe:		Not reported
202 GPRA Corrective Action Baseline:		No
Corrective Action Workload Universe:		No
Subject to Corrective Action Universe:		No
Non-TSDFs Where RCRA CA has Been Imposed Universe:		No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:		No
TSDFs Only Subject to CA under Discretionary Auth Universe:		No
Corrective Action Priority Ranking:		No NCAPS ranking
Environmental Control Indicator:		No
Institutional Control Indicator:		No
Human Exposure Controls Indicator:		N/A
Groundwater Controls Indicator:		N/A
Operating TSDF Universe:		Not reported
Full Enforcement Universe:		Not reported
Significant Non-Complier Universe:		No
Unaddressed Significant Non-Complier Universe:		No
Addressed Significant Non-Complier Universe:		No
Significant Non-Complier With a Compliance Schedule Universe:		No
Financial Assurance Required:		Not reported
Handler Date of Last Change:		20160525
Recognized Trader-Importer:		No
Recognized Trader-Exporter:		No

PARABILIS SPACE TECHNOLOGIES INC (Continued) **1018274058**

Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	Not reported
Manifest Broker:	Not reported
Sub-Part P Indicator:	No

Hazardous Waste Summary:

Waste Code:	D001
Waste Description:	IGNITABLE WASTE
Waste Code:	D002
Waste Description:	CORROSIVE WASTE

Handler - Owner Operator:

Owner/Operator Indicator:	Operator
Owner/Operator Name: DAVID STEICH	
Legal Status:	Private
Date Became Current:	20141119
Date Ended Current:	Not reported
Owner/Operator Address:	Not reported
Owner/Operator City,State,Zip:	Not reported
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Owner
Owner/Operator Name: PARABILIS SPACE TECHNOLOGIES INC	
Legal Status:	Private
Date Became Current:	20141119
Date Ended Current:	Not reported
Owner/Operator Address:	1145 LINDA VISTA DR STE 111
Owner/Operator City,State,Zip:	SAN MARCOS, CA 92078
Owner/Operator Telephone:	760-519-2101
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	20160503
Handler Name:	PARABILIS SPACE TECHNOLOGIES INC
Federal Waste Generator Description:	Conditionally Exempt Small Quantity Generator
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

List of NAICS Codes and Descriptions:

NAICS Code:	336415

PARABILIS SPACE TECHNOLOGIES INC (Continued) **1018274058**

NAICS Description: GUIDED MISSILE AND SPACE VEHICLE PROPULSION UNIT AND PROPULSION UNIT PARTS MANUFACTURING

NAICS Code: 927110
NAICS Description: SPACE RESEARCH AND TECHNOLOGY

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

FINDS:
Registry ID: 110069286445

Click Here for FRS Facility Detail Report:

Environmental Interest/Information System:
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:
Envid: 1018274058
Registry ID: 110069286445
DFR URL: http://echo.epa.gov/detailed-facility-report?fid=110069286445
Name: PARABILIS SPACE TECHNOLOGIES INC
Address: 1145 LINDA VISTA DR STE 111
City,State,Zip: SAN MARCOS, CA 92078

T121 **RB III ASSOCIATES INC DBA TEAMWORK ATHLETIC APPARE** **RCRA NonGen / NLR** **1024834899**
NW **1248 LOS VALLECITOS BLVD** **CAL000376058**
1/8-1/4 **SAN MARCOS, CA 92069**
0.212 mi.
1118 ft. **Site 1 of 2 in cluster T**

Relative:
Higher

Actual:
558 ft.

RCRA Listings:
Date Form Received by Agency: 20120706
Handler Name: RB III ASSOCIATES INC DBA TEAMWORK ATHLETIC APPAREL
Handler Address: 1248 LOS VALLECITOS BLVD
Handler City,State,Zip: SAN MARCOS, CA 92069
EPA ID: CAL000376058
Contact Name: ALEXANDRA KIDNEIGH
Contact Address: 1248 LOS VALLECITOS BLVD
Contact City,State,Zip: SAN MARCOS, CA 92069
Contact Telephone: 760-510-3511
Contact Fax: 760-510-3519
Contact Email: AKIDNEIGH@TEAMWORKATHLETIC.COM
Contact Title: Not reported
EPA Region: 09

RB III ASSOCIATES INC DBA TEAMWORK ATHLETIC APPAREL (Continued) **1024834899**

Land Type:		Not reported
Federal Waste Generator Description:		Not a generator, verified
Non-Notifier:		Not reported
Biennial Report Cycle:		Not reported
Accessibility:		Not reported
Active Site Indicator:		Handler Activities
State District Owner:		Not reported
State District:		Not reported
Mailing Address:		166 NEWPORT DR
Mailing City,State,Zip:		SAN MARCOS, CA 92069
Owner Name:	RB III ASSOCIATES INC	
Owner Type:		Other
Operator Name:	ALEXANDRA KIDNEIGH	
Operator Type:		Other
Short-Term Generator Activity:		No
Importer Activity:		No
Mixed Waste Generator:		No
Transporter Activity:		No
Transfer Facility Activity:		No
Recycler Activity with Storage:		No
Small Quantity On-Site Burner Exemption:		No
Smelting Melting and Refining Furnace Exemption:		No
Underground Injection Control:		No
Off-Site Waste Receipt:		No
Universal Waste Indicator:		Yes
Universal Waste Destination Facility:		Yes
Federal Universal Waste:		No
Active Site Fed-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site Converter Treatment storage and Disposal Facility:		Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site State-Reg Handler:		---
Federal Facility Indicator:		Not reported
Hazardous Secondary Material Indicator:		N
Sub-Part K Indicator:		Not reported
Commercial TSD Indicator:		No
Treatment Storage and Disposal Type:		Not reported
2018 GPRA Permit Baseline:		Not on the Baseline
2018 GPRA Renewals Baseline:		Not on the Baseline
Permit Renewals Workload Universe:		Not reported
Permit Workload Universe:		Not reported
Permit Progress Universe:		Not reported
Post-Closure Workload Universe:		Not reported
Closure Workload Universe:		Not reported
202 GPRA Corrective Action Baseline:		No
Corrective Action Workload Universe:		No
Subject to Corrective Action Universe:		No
Non-TSDFs Where RCRA CA has Been Imposed Universe:		No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:		No
TSDFs Only Subject to CA under Discretionary Auth Universe:		No
Corrective Action Priority Ranking:		No NCAPS ranking
Environmental Control Indicator:		No
Institutional Control Indicator:		No
Human Exposure Controls Indicator:		N/A
Groundwater Controls Indicator:		N/A
Operating TSDF Universe:		Not reported
Full Enforcement Universe:		Not reported
Significant Non-Complier Universe:		No

RB III ASSOCIATES INC DBA TEAMWORK ATHLETIC APPAREL (Continued) **1024834899**

Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20180906
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name: RB III ASSOCIATES INC	
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	1248 LOS VALLECITOS BLVD
Owner/Operator City,State,Zip:	SAN MARCOS, CA 92069
Owner/Operator Telephone:	760-510-3511
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name: ALEXANDRA KIDNEIGH	
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	1248 LOS VALLECITOS BLVD
Owner/Operator City,State,Zip:	SAN MARCOS, CA 92069
Owner/Operator Telephone:	760-510-3511
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	20120706
Handler Name:	RB III ASSOCIATES INC DBA TEAMWORK ATHLETIC APPAREL
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

List of NAICS Codes and Descriptions:

NAICS Code:	315299
NAICS Description:	ALL OTHER CUT AND SEW APPAREL MANUFACTURING

RB III ASSOCIATES INC DBA TEAMWORK ATHLETIC APPAREL (Continued) **1024834899**

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

U122 **BEI KIMCO DIVISION** **RCRA-SQG** **1000121411**
ENE **150 VALLECITOS DE ORO** **FINDS** **CAD982021495**
1/8-1/4 **SAN MARCOS, CA 92069** **ECHO**
0.213 mi. **HAZNET**
1126 ft. **Site 1 of 3 in cluster U** **HWTS**

Relative:
Higher

Actual:
560 ft.

RCRA Listings:

Date Form Received by Agency:		19870807
Handler Name:	BEI KIMCO DIVISION	
Handler Address:		150 VALLECITOS DE ORO
Handler City,State,Zip:		SAN MARCOS, CA 92069
EPA ID:		CAD982021495
Contact Name:		ENVIRONMENTAL MANAGER
Contact Address:		150 VALLECITOS DE ORO
Contact City,State,Zip:		SAN MARCOS, CA 92069
Contact Telephone:		619-744-5671
Contact Fax:		Not reported
Contact Email:		Not reported
Contact Title:		Not reported
EPA Region:		09
Land Type:		Other
Federal Waste Generator Description:		Small Quantity Generator
Non-Notifier:		Not reported
Biennial Report Cycle:		Not reported
Accessibility:		Not reported
Active Site Indicator:		Handler Activities
State District Owner:		CA
State District:		4
Mailing Address:		PO BOX 1626
Mailing City,State,Zip:		SAN MARCOS, CA 92069
Owner Name:	JACK KIMBLE	
Owner Type:		Private
Operator Name:	NOT REQUIRED	
Operator Type:		Private
Short-Term Generator Activity:		No
Importer Activity:		No
Mixed Waste Generator:		No
Transporter Activity:		No
Transfer Facility Activity:		No
Recycler Activity with Storage:		No
Small Quantity On-Site Burner Exemption:		No
Smelting Melting and Refining Furnace Exemption:		No
Underground Injection Control:		No
Off-Site Waste Receipt:		No
Universal Waste Indicator:		No
Universal Waste Destination Facility:		No
Federal Universal Waste:		No
Active Site Fed-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site Converter Treatment storage and Disposal Facility:		Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:		Not reported

BEI KIMCO DIVISION (Continued) **1000121411**

Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	NN
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20020627
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	Not reported
Manifest Broker:	Not reported
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Operator
Owner/Operator Name: NOT REQUIRED	
Legal Status:	Private
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	NOT REQUIRED
Owner/Operator City,State,Zip:	NOT REQUIRED, ME 99999
Owner/Operator Telephone:	415-555-1212
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Owner
Owner/Operator Name: JACK KIMBLE	
Legal Status:	Private

BEI KIMCO DIVISION (Continued) **1000121411**

Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	NOT REQUIRED
Owner/Operator City,State,Zip:	NOT REQUIRED, ME 99999
Owner/Operator Telephone:	415-555-1212
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	19870807
Handler Name: BEI KIMCO DIVISION	
Federal Waste Generator Description:	Small Quantity Generator
State District Owner:	CA
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

List of NAICS Codes and Descriptions:

NAICS Codes:	No NAICS Codes Found

Facility Has Received Notices of Violations:

Violations:	No Violations Found

Evaluation Action Summary:

Evaluations:	No Evaluations Found

FINDS:

Registry ID: 110002778600

Click Here for FRS Facility Detail Report:

Environmental Interest/Information System:

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:

Envid:	1000121411
Registry ID:	110002778600
DFR URL:	http://echo.epa.gov/detailed-facility-report?fid=110002778600
Name:	BEI KIMCO DIVISION
Address:	150 VALLECITOS DE ORO
City,State,Zip:	SAN MARCOS, CA 92069

BEI KIMCO DIVISION (Continued) **1000121411**

HAZNET:

Name:	BEI KIMCO DIVISION
Address:	150 VALLECITOS DE ORO
Address 2:	Not reported
City,State,Zip:	SAN MARCOS, CA 920690000
Contact:	UNDEL 95FEEFORM/11-95
Telephone:	--
Mailing Name:	Not reported
Mailing Address:	150 VALLECITOS DE ORO
Year:	1993
Gepaid:	CAD982021495
TSD EPA ID:	CAT080033681
CA Waste Code:	223 - Unspecified oil-containing waste
Disposal Method:	R01 - Recycler
Tons:	0.0625
Year:	1993
Gepaid:	CAD982021495
TSD EPA ID:	CAT080033681
CA Waste Code:	551 - Laboratory waste chemicals
Disposal Method:	R01 - Recycler
Tons:	0.0025
Year:	1991
Gepaid:	CAD982021495
TSD EPA ID:	CAD050806850
CA Waste Code:	251 - Still bottoms with halogenated organics
Disposal Method:	T01 - Treatment, Tank
Tons:	0.0125
Year:	1991
Gepaid:	CAD982021495
TSD EPA ID:	CAD050806850
CA Waste Code:	214 - Unspecified solvent mixture
Disposal Method:	T01 - Treatment, Tank
Tons:	0.417
Year:	1989
Gepaid:	CAD982021495
TSD EPA ID:	CAD042245001
CA Waste Code:	343 - Unspecified organic liquid mixture
Disposal Method:	R01 - Recycler
Tons:	0.2919
Year:	1988
Gepaid:	CAD982021495
TSD EPA ID:	CAD095894556
CA Waste Code:	214 - Unspecified solvent mixture
Disposal Method:	D99 - Disposal, Other
Tons:	0.4587

Additional Info:

Year:	1993
Gen EPA ID:	CAD982021495

BEI KIMCO DIVISION (Continued) **1000121411**

Shipment Date:	19931222
Creation Date:	9/14/1995 0:00:00
Receipt Date:	19931227
Manifest ID:	93311764
Trans EPA ID:	CAD981412356
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080033681
Trans Name:	Not reported
TSDF Alt EPA ID:	CAT080033681
TSDF Alt Name:	Not reported
Waste Code Description:	551 - Laboratory waste chemicals 561 Detergent and soap
RCRA Code:	D002
Meth Code:	R01 - Recycler
Quantity Tons:	0.0025
Waste Quantity:	5
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	19931222
Creation Date:	9/14/1995 0:00:00
Receipt Date:	19931227
Manifest ID:	93311749
Trans EPA ID:	CAD981412356
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080033681
Trans Name:	Not reported
TSDF Alt EPA ID:	CAT080033681
TSDF Alt Name:	Not reported
Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported
Meth Code:	R01 - Recycler
Quantity Tons:	0.0625
Waste Quantity:	15
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

HWTS:

Name:	BEI KIMCO DIVISION
Address:	150 VALLECITOS DE ORO
Address 2:	Not reported
City,State,Zip:	SAN MARCOS, CA 92069
EPA ID:	CAD982021495
Inactive Date:	06/30/1995
Create Date:	06/17/1988
Last Act Date:	Not reported

BEI KIMCO DIVISION (Continued) **1000121411**

Mailing Name:	Not reported
Mailing Address:	150 VALLECITOS DE ORO
Mailing Address 2:	Not reported
Mailing City,State,Zip:	SAN MARCOS, CA 920690000
Owner Name:	BEI ELECTRONICS INC
Owner Address:	2111 PALOMAR AIRPORT RD #250
Owner Address 2:	Not reported
Owner City,State,Zip:	CARLSBAD, CA 920080000
Contact Name:	UNDEL 95FEEFORM/11-95
Contact Address:	Not reported
Contact Address 2:	Not reported
City,State,Zip:	Not reported
Facility Status:	Inactive
Facility Type:	PERMANENT
Category:	FEDERAL
Latitude:	33.141904
Longitude:	-117.181684

U123 **BREE ENGINEERING CORP** **CERS HAZ WASTE** **S127596077**
ENE **135 VALLECITOS DE ORO STE G** **N/A**
1/8-1/4 **SAN MARCOS, CA 92069**
0.214 mi.
1130 ft. **Site 2 of 3 in cluster U**

Relative:
Higher

Actual:
559 ft.

CERS HAZ WASTE:

Name:	BREE ENGINEERING CORP
Address:	135 VALLECITOS DE ORO STE G
City,State,Zip:	SAN MARCOS, CA 92069
Site ID:	576215
CERS ID:	10874602
CERS Description:	Hazardous Waste Generator

Violations:

Site ID:	576215
Site Name:	Bree Engineering Corp
Violation Date:	03-14-2022
Citation:	22 CCR 12 66262.34(f) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.34(f)
Violation Description:	Failure to properly label hazardous waste accumulation containers and portable tanks with the following requirements: "Hazardous Waste", name and address of the generator, physical and chemical characteristics of the Hazardous Waste, and starting accumulation date.
Violation Notes:	Returned to compliance on 03/16/2022. Inspection Sequence ID:6759386
Violation Division:	San Diego County Department of Env Health
Violation Program:	HW
Violation Source:	CERS,

Evaluation:

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	03-14-2022
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Inspector: Shaker Mirna Inspection ID:6759386
Eval Division:	San Diego County Department of Env Health
Eval Program:	HW
Eval Source:	CERS,

BREE ENGINEERING CORP (Continued) **S127596077**

Affiliation:

Affiliation Type Desc:	CUPA District
Entity Name:	San Diego County Env Health Qlty
Entity Title:	Not reported
Affiliation Address:	PO Box 129261
Affiliation City:	San Diego
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92112-9261
Affiliation Phone:	(858) 505-6880,

Affiliation Type Desc:	Identification Signer
Entity Name:	JACKIE BREE
Entity Title:	CFO
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,

Affiliation Type Desc:	Operator
Entity Name:	BREE ENGINEERING CORP
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	(760) 805-1134,

Affiliation Type Desc:	Parent Corporation
Entity Name:	BREE ENGINEERING CORP
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,

Affiliation Type Desc:	Environmental Contact
Entity Name:	BREE ENGINEERING CORP
Entity Title:	Not reported
Affiliation Address:	135 Vallecitos De Oro Ste G
Affiliation City:	San Marcos
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92069
Affiliation Phone:	,

Affiliation Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	Not reported
Affiliation Address:	135 Vallecitos De Oro Ste G
Affiliation City:	San Marcos
Affiliation State:	CA

BREE ENGINEERING CORP (Continued) **S127596077**

Affiliation Country:	Not reported
Affiliation Zip:	92069
Affiliation Phone:	,
Affiliation Type Desc:	Legal Owner
Entity Name:	BREE ENGINEERING CORP
Entity Title:	Not reported
Affiliation Address:	135 Vallecitos De Oro Ste G
Affiliation City:	San Marcos
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	92069
Affiliation Phone:	(760) 805-1134,

U124 **BREE ENGINEERING CORP** **RCRA NonGen / NLR** **1026828477**
ENE **135 VALLECITOS DE ORO STE G** **CAL000463471**
1/8-1/4 **SAN MARCOS, CA 92069**
0.214 mi.
1130 ft. **Site 3 of 3 in cluster U**

Relative: **Higher**

Actual: **559 ft.**

RCRA Listings:

Date Form Received by Agency:		20210617
Handler Name:	BREE ENGINEERING CORP	
Handler Address:		135 VALLECITOS DE ORO STE G
Handler City,State,Zip:		SAN MARCOS, CA 92069
EPA ID:		CAL000463471
Contact Name:		JACKIE BREE
Contact Address:		135 VALLECITOS DE ORO STE G
Contact City,State,Zip:		SAN MARCOS, CA 92069
Contact Telephone:		760-510-4952
Contact Fax:		760-510-4959
Contact Email:		JACKIE@BREEENG.COM
Contact Title:		Not reported
EPA Region:		09
Land Type:		Not reported
Federal Waste Generator Description:		Not a generator, verified
Non-Notifier:		Not reported
Biennial Report Cycle:		Not reported
Accessibility:		Not reported
Active Site Indicator:		Not reported
State District Owner:		Not reported
State District:		Not reported
Mailing Address:		135 VALLECITOS DE ORO STE G
Mailing City,State,Zip:		SAN MARCOS, CA 92069
Owner Name:	BREE FAMILY TRUST	
Owner Type:		Other
Operator Name:	JACKIE BREE	
Operator Type:		Other
Short-Term Generator Activity:		No
Importer Activity:		No
Mixed Waste Generator:		No
Transporter Activity:		No
Transfer Facility Activity:		No
Recycler Activity with Storage:		No
Small Quantity On-Site Burner Exemption:		No
Smelting Melting and Refining Furnace Exemption:		No
Underground Injection Control:		No

BREE ENGINEERING CORP (Continued) **1026828477**

Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20210618
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Operator
Owner/Operator Name: JACKIE BREE	
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	135 VALLECITOS DE ORO STE G
Owner/Operator City,State,Zip:	SAN MARCOS, CA 92069
Owner/Operator Telephone:	760-510-4952

BREE ENGINEERING CORP (Continued) **1026828477**

Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner
Owner/Operator Name: BREE FAMILY TRUST
Legal Status: Other
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: 1750 MARILYN LN
Owner/Operator City,State,Zip: SAN MARCOS, CA 92069
Owner/Operator Telephone: 760-805-1134
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:
Receive Date: 20210617
Handler Name: BREE ENGINEERING CORP
Federal Waste Generator Description: Not a generator, verified
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: No
Electronic Manifest Broker: No

List of NAICS Codes and Descriptions:
NAICS Code: 56299
NAICS Description: ALL OTHER WASTE MANAGEMENT SERVICES

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

R125 **R.D. WALTER TRUCKING** **LUST** **S101302220**
SE **174 BENT** **HIST CORTESE** **N/A**
1/8-1/4 **SAN MARCOS, CA 92069**
0.221 mi.
1166 ft. **Site 3 of 4 in cluster R**

Relative:
Higher

Actual:
547 ft.

LUST REG 9:
Region: 9
Status: Case Closed
Case Number: 9UT1540
Local Case: H02912-001
Substance: Diesel
Qty Leaked: Not reported
Abate Method: Excavate and Dispose - remove contaminated soil and dispose in approved site

R.D. WALTER TRUCKING (Continued) **S101302220**

Local Agency: San Diego
How Found: Tank Closure
How Stopped: Close Tank
Source: Tank
Cause: Overfill
Lead Agency: Local Agency
Case Type: Other ground water affected
Date Found: 08/10/1989
Date Stopped: 08/10/1989
Confirm Date: 08/22/1989
Submit Workplan: 4/26/92
Prelim Assess: 11/20/1992
Desc Pollution: Not reported
Remed Plan: / /
Remed Action: Not reported
Began Monitor: Not reported
Release Date: 10/12/1989
Enforce Date: Not reported
Closed Date: 11/3/95
Enforce Type: Not reported
Pilot Program: LOP
Basin Number: 904.52
GW Depth: 8’
Beneficial Use: Municipal groundwater use
NPDES Number: Not reported
Priority: 1C
File Dispn: File discarded, case closed
Interim Remedial Actions: Yes
Cleanup and Abatement order Number: Not reported
Waste Discharge Requirement Number: Not reported

HIST CORTESE:
edr_fname: R.D. WALTER TRUCKING
edr_fadd1: 174 BENT
City,State,Zip: SAN MARCOS, CA 92069
Region: CORTESE
Facility County Code: 37
Reg By: LTNKA
Reg Id: 9UT1540

R126 **R D WALTER TRUCKINGINC** **HIST UST** **U001572222**
SE **174 SO BENT AVE** **N/A**
1/8-1/4 **SAN MARCOS, CA 92069**
0.226 mi.
1193 ft. **Site 4 of 4 in cluster R**

Relative:
Higher

Actual:
546 ft.

HIST UST:
Name: R D WALTER TRUCKINGINC
Address: 174 SO BENT AVE
City,State,Zip: SAN MARCOS, CA 92069
File Number: 0002F1B4
URL: http://geotracker.waterboards.ca.gov/ustpdfs/pdf/0002F1B4.pdf
Region: STATE
Facility ID: 00000002174
Facility Type: Other
Other Type: TRUCKING
Contact Name: R. D. WALTER

R D WALTER TRUCKINGINC (Continued) **U001572222**

Telephone:	6197441465
Owner Name:	R. D. WALTER TRUCKING,INC.
Owner Address:	1531-F W. MISSION RD.
Owner City,St,Zip:	SAN MARCOS, CA 92069
Total Tanks:	0001
Tank Num:	001
Container Num:	101
Year Installed:	1970
Tank Capacity:	00010000
Tank Used for:	PRODUCT
Type of Fuel:	DIESEL
Container Construction Thickness:	1/4
Leak Detection:	Stock Inventor

Click here for Geo Tracker PDF:

V127 **LOVE BOAT SUSHI** **RCRA NonGen / NLR** **1026709500**
WNW **121 SOUTH LAS POSAS ROAD** **CAC003097587**
1/8-1/4 **SAN MARCOS, CA 92078**
0.229 mi.
1208 ft. **Site 1 of 6 in cluster V**

Relative: RCRA Listings:
Lower

Actual: Date Form Received by Agency:		20201217
540 ft. Handler Name:	LOVE BOAT SUSHI	
Handler Address:		121 SOUTH LAS POSAS ROAD
Handler City,State,Zip:		SAN MARCOS, CA 92078
EPA ID:		CAC003097587
Contact Name:		HIBA KHALID
Contact Address:		2958 MADISON STREET
Contact City,State,Zip:		CARLSBAD, CA 92008
Contact Telephone:		858-886-9909
Contact Fax:		Not reported
Contact Email:		MARKETING@LOVEBOATSUSHI.COM
Contact Title:		Not reported
EPA Region:		09
Land Type:		Not reported
Federal Waste Generator Description:		Not a generator, verified
Non-Notifier:		Not reported
Biennial Report Cycle:		Not reported
Accessibility:		Not reported
Active Site Indicator:		Not reported
State District Owner:		Not reported
State District:		Not reported
Mailing Address:		2958 MADISON STREET
Mailing City,State,Zip:		CARLSBAD, CA 92008
Owner Name:	JENNY PYO	
Owner Type:		Other
Operator Name:	HIBA KHALID	
Operator Type:		Other
Short-Term Generator Activity:		No
Importer Activity:		No
Mixed Waste Generator:		No
Transporter Activity:		No
Transfer Facility Activity:		No
Recycler Activity with Storage:		No
Small Quantity On-Site Burner Exemption:		No

LOVE BOAT SUSHI (Continued) **1026709500**

Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20201218
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Operator
Owner/Operator Name: HIBA KHALID	
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	2958 MADISON STREET

LOVE BOAT SUSHI (Continued) **1026709500**

Owner/Operator City,State,Zip: CARLSBAD, CA 92008
Owner/Operator Telephone: 858-886-9909
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner
Owner/Operator Name: JENNY PYO
Legal Status: Other
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: 2958 MADISON STREET
Owner/Operator City,State,Zip: CARLSBAD, CA 92008
Owner/Operator Telephone: 858-886-9909
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:
Receive Date: 20201217
Handler Name: LOVE BOAT SUSHI
Federal Waste Generator Description: Not a generator, verified
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Code: 722511
NAICS Description: FULL-SERVICE RESTAURANTS

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

S128 **METAL ETCH SERVICES INC** **RCRA NonGen / NLR** **1024813529**
WSW **1165 LINDA VISTA DR STE 106** **CAL000304576**
1/8-1/4 **SAN MARCOS, CA 92078**
0.230 mi.
1214 ft. **Site 2 of 4 in cluster S**

Relative: **Lower**
Actual: **534 ft.**

RCRA Listings:
Date Form Received by Agency: 20060320
Handler Name: METAL ETCH SERVICES INC
Handler Address: 1165 LINDA VISTA DR STE 106
Handler City,State,Zip: SAN MARCOS, CA 92078-3821
EPA ID: CAL000304576
Contact Name: ELIAS MALFAVON JR

METAL ETCH SERVICES INC (Continued) **1024813529**

Contact Address:		1165 LINDA VISTA DR STE 106
Contact City,State,Zip:		SAN MARCOS, CA 92078
Contact Telephone:		760-510-9476
Contact Fax:		760-510-8349
Contact Email:		REBECCA@METALETCHSERVICES.COM
Contact Title:		Not reported
EPA Region:		09
Land Type:		Not reported
Federal Waste Generator Description:		Not a generator, verified
Non-Notifier:		Not reported
Biennial Report Cycle:		Not reported
Accessibility:		Not reported
Active Site Indicator:		Handler Activities
State District Owner:		Not reported
State District:		Not reported
Mailing Address:		1165 LINDA VISTA DR STE 106
Mailing City,State,Zip:		SAN MARCOS, CA 92078-3821
Owner Name:	METAL ETCH SERVICES INC	
Owner Type:		Other
Operator Name:	ELIAS MALFAVON JR	
Operator Type:		Other
Short-Term Generator Activity:		No
Importer Activity:		No
Mixed Waste Generator:		No
Transporter Activity:		No
Transfer Facility Activity:		No
Recycler Activity with Storage:		No
Small Quantity On-Site Burner Exemption:		No
Smelting Melting and Refining Furnace Exemption:		No
Underground Injection Control:		No
Off-Site Waste Receipt:		No
Universal Waste Indicator:		Yes
Universal Waste Destination Facility:		Yes
Federal Universal Waste:		No
Active Site Fed-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site Converter Treatment storage and Disposal Facility:		Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site State-Reg Handler:		---
Federal Facility Indicator:		Not reported
Hazardous Secondary Material Indicator:		N
Sub-Part K Indicator:		Not reported
Commercial TSD Indicator:		No
Treatment Storage and Disposal Type:		Not reported
2018 GPRA Permit Baseline:		Not on the Baseline
2018 GPRA Renewals Baseline:		Not on the Baseline
Permit Renewals Workload Universe:		Not reported
Permit Workload Universe:		Not reported
Permit Progress Universe:		Not reported
Post-Closure Workload Universe:		Not reported
Closure Workload Universe:		Not reported
202 GPRA Corrective Action Baseline:		No
Corrective Action Workload Universe:		No
Subject to Corrective Action Universe:		No
Non-TSDFs Where RCRA CA has Been Imposed Universe:		No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:		No
TSDFs Only Subject to CA under Discretionary Auth Universe:		No
Corrective Action Priority Ranking:		No NCAPS ranking

METAL ETCH SERVICES INC (Continued) **1024813529**

Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20180905
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name: METAL ETCH SERVICES INC	
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	1165 LINDA VISTA DR STE 106
Owner/Operator City,State,Zip:	SAN MARCOS, CA 92078-3821
Owner/Operator Telephone:	760-510-9476
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name: ELIAS MALFAVON JR	
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	1165 LINDA VISTA DR STE 106
Owner/Operator City,State,Zip:	SAN MARCOS, CA 92078
Owner/Operator Telephone:	760-510-9476
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	20060320
Handler Name: METAL ETCH SERVICES INC	
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No

METAL ETCH SERVICES INC (Continued) **1024813529**

Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Code: 56299
NAICS Description: ALL OTHER WASTE MANAGEMENT SERVICES

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

S129 **METAL ETCH SERVICES, INC.** **RCRA-SQG** **1026829987**
WSW **1165 LINDA VISTA DRIVE #107** **CAR000323782**
1/8-1/4 **SAN MARCOS, CA 92078**
0.230 mi.
1214 ft. **Site 3 of 4 in cluster S**

Relative: **Lower**
Actual: **534 ft.**

RCRA Listings:
Date Form Received by Agency: 20210512
Handler Name: METAL ETCH SERVICES, INC.
Handler Address: 1165 LINDA VISTA DRIVE #107
Handler City,State,Zip: SAN MARCOS, CA 92078
EPA ID: CAR000323782
Contact Name: ELIAS MALFAVON
Contact Address: LINDA VISTA DRIVE #106
Contact City,State,Zip: SAN MARCOS, CA 92078
Contact Telephone: 760-510-9476 x203
Contact Fax: Not reported
Contact Email: ELIASJR@METALETCHSERVICES.COM
Contact Title: PRESIDENT
EPA Region: 09
Land Type: Private
Federal Waste Generator Description: Small Quantity Generator
Non-Notifier: Not reported
Biennial Report Cycle: Not reported
Accessibility: Not reported
Active Site Indicator: Handler Activities
State District Owner: Not reported
State District: Not reported
Mailing Address: LINDA VISTA DRIVE #106
Mailing City,State,Zip: SAN MARCOS, CA 92078
Owner Name: METAL ETCH SERVICES, INC.
Owner Type: State
Operator Name: METAL ETCH SERVICES, INC.
Operator Type: State
Short-Term Generator Activity: No
Importer Activity: No
Mixed Waste Generator: No
Transporter Activity: No
Transfer Facility Activity: No
Recycler Activity with Storage: No
Small Quantity On-Site Burner Exemption: No

METAL ETCH SERVICES, INC. (Continued) **1026829987**

Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20210513
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Hazardous Waste Summary:

Waste Code:	D002
Waste Description:	CORROSIVE WASTE
Waste Code:	D007
Waste Description:	CHROMIUM

METAL ETCH SERVICES, INC. (Continued) **1026829987**

Handler - Owner Operator:
Owner/Operator Indicator: Operator
Owner/Operator Name: METAL ETCH SERVICES, INC.
Legal Status: State
Date Became Current: 20040213
Date Ended Current: Not reported
Owner/Operator Address: 1165 LINDA VISTA DR. #107
Owner/Operator City,State,Zip: SAN MARCOS, CA 92078
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner
Owner/Operator Name: METAL ETCH SERVICES, INC.
Legal Status: State
Date Became Current: 20040213
Date Ended Current: Not reported
Owner/Operator Address: 1165 LINDA VISTA DR. #107
Owner/Operator City,State,Zip: SAN MARCOS, CA 92078
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:
Receive Date: 20210512
Handler Name: METAL ETCH SERVICES, INC.
Federal Waste Generator Description: Small Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: No
Electronic Manifest Broker: No

List of NAICS Codes and Descriptions:
NAICS Code: 332999
NAICS Description: ALL OTHER MISCELLANEOUS FABRICATED METAL PRODUCT MANUFACTURING

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

S130 **METAL ETCH SERVICES INC** **San Diego Co. HMMD** **S104745261**
WSW **1165 LINDA VISTA DR 106,107,10** **CERS HAZ WASTE** **N/A**
1/8-1/4 **SAN MARCOS, CA 92078** **CERS**
0.230 mi.
1214 ft. **Site 4 of 4 in cluster S**

Relative:
Lower

Actual:
534 ft.

HMMD SAN DIEGO:

Name:	METAL ETCH SERVICES INC
Address:	1165 LINDA VISTA DR 106,107,10
City,State,Zip:	SAN MARCOS, CA 92078
Permit Number:	Not reported
Business Type:	Not reported
EPA Id Number:	CAR000323782
APN:	Not reported
Last HMMD Inspection:	Not reported
Facility Telephone:	760-510-9476
Permit Status:	Permit Renewed
Permit Expiration:	Not reported
Date Last Updated:	08/31/2021
Facility Owner:	Not reported
Facility Mailing Address:	1165 LINDA VISTA DR #107, SAN MARCOS, CA 92078
Facility Mailing City:	Not reported
Facility Mailing State:	Not reported
Facility Mailing Zip:	Not reported
UST Owner:	N
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Y
Treat Haz Waste:	N
Generate Medical Waste:	Not reported

Inspection Violation:

Record ID:	DEH2005-HUPFP-204862
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-204862
Program Element:	Hazardous Waste Generator
Inspection Type:	Routine
Inspection Number:	6719681
Return To Compliance Date:	2021-05-13T00:00:00.000
Nov:	No
Violation Classification:	Minor
Underground Storage Tank Id:	Not reported
Container/Tank Id:	Not reported
Last Update:	2021-08-31T00:34:19.000
Inspection Date:	2021-04-30T00:00:00.000
Violation Code:	3010002 Failed to obtain &/or maintain an active EPA ID Number. 22 CCR 66262.12(a)

Record ID:	DEH2005-HUPFP-204862
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-204862
Program Element:	Hazardous Materials Release Response Plans
Inspection Type:	Routine
Inspection Number:	4622106
Return To Compliance Date:	2014-04-23T00:00:00.000
Nov:	No
Violation Classification:	Class II

METAL ETCH SERVICES INC (Continued) **S104745261**

Underground Storage Tank Id: Not reported
Container/Tank Id: Not reported
Last Update: 2021-08-31T00:34:19.000
Inspection Date: 2014-04-17T14:43:00.000
Violation Code: 1020001 Failure to include an adequate training program in the business plan, which is reasonable and appropriate for the size of the business and the nature of the hazardous material handled; 19 CCR 4 2732(a); HSC 6.95 25504(c).

Record ID: DEH2005-HUPFP-204862
Permit Status: Permit Renewed
Active Permit: Y
Facility Id Number: 37-000-204862
Program Element: Hazardous Materials Release Response Plans
Inspection Type: Routine
Inspection Number: 5923202
Return To Compliance Date: 2018-05-26T00:00:00.000
Nov: No
Violation Classification: Minor
Underground Storage Tank Id: Not reported
Container/Tank Id: Not reported
Last Update: 2021-08-31T00:34:19.000
Inspection Date: 2018-04-27T16:47:00.000
Violation Code: 1010005 Site map not submitted in CERS or not sufficient. HSC 25505(a)(2); 25508.1(f); 19 CCR 2652(a)(3)

Waste and Materials:
Record ID: DEH2005-HUPFP-204862
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0185285
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2020-01-04T02:01:21.000
Chemical Name: OXYGEN GAS (LIQUID)
Common Name: OXYGEN GAS (LIQUID)
Case Number: 7782-44-7

Record ID: DEH2005-HUPFP-204862
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0185286
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2020-01-04T02:01:21.000
Chemical Name: FERRIC CHLORIDE
Common Name: FERRIC CHLORIDE
Case Number: 10025-77-1

Record ID: DEH2005-HUPFP-204862
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0185287
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2020-01-04T02:01:21.000
Chemical Name: Methylene Chloride

METAL ETCH SERVICES INC (Continued) **S104745261**

Common Name: Methylene Chloride
Case Number: 75-09-2

Record ID: DEH2005-HUPFP-204862
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HWAST-0159846
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2020-01-04T02:01:22.000
Chemical Name: WASTE 792 LIQUIDS W/PH <OR= 2 W/METALS
Common Name: ACIDIC WASTE WITH METALS
Case Number: Not reported

Record ID: DEH2005-HUPFP-204862
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HWAST-0159847
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2020-01-04T02:01:22.000
Chemical Name: Silver
Common Name: Silver
Case Number: Not reported

Record ID: DEH2005-HUPFP-204862
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2016-HCHEM-0102754
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2017-09-14T00:51:23.000
Chemical Name: OXYGEN GAS (LIQUID)
Common Name: OXYGEN GAS (LIQUID)
Case Number: 7782-44-7

Record ID: DEH2005-HUPFP-204862
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2016-HCHEM-0102755
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2017-09-14T00:51:23.000
Chemical Name: FERRIC CHLORIDE
Common Name: FERRIC CHLORIDE
Case Number: 10025-77-1

Record ID: DEH2005-HUPFP-204862
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2016-HWAST-0084810
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2017-09-14T00:51:23.000
Chemical Name: WASTE 792 LIQUIDS W/PH <OR= 2 W/METALS
Common Name: ACIDIC WASTE WITH METALS
Case Number: Not reported

METAL ETCH SERVICES INC (Continued) **S104745261**

Record ID:	DEH2005-HUPFP-204862
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2020-HCHEM-0282410
Trade Secret:	N
Hazardous Material Type:	Pure
Last Updated:	2021-08-31T00:34:23.000
Chemical Name:	OXYGEN GAS (LIQUID)
Common Name:	OXYGEN GAS (LIQUID)
Case Number:	7782-44-7

Record ID:	DEH2005-HUPFP-204862
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2020-HCHEM-0282411
Trade Secret:	N
Hazardous Material Type:	Pure
Last Updated:	2021-08-31T00:34:23.000
Chemical Name:	FERRIC CHLORIDE
Common Name:	FERRIC CHLORIDE
Case Number:	10025-77-1

Record ID:	DEH2005-HUPFP-204862
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2020-HCHEM-0282412
Trade Secret:	N
Hazardous Material Type:	Mixture
Last Updated:	2021-08-31T00:34:23.000
Chemical Name:	Methylene Chloride
Common Name:	Methylene Chloride
Case Number:	75-09-2

Record ID:	DEH2005-HUPFP-204862
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2017-HCHEM-0158320
Trade Secret:	N
Hazardous Material Type:	Pure
Last Updated:	2017-10-03T00:45:04.000
Chemical Name:	OXYGEN GAS (LIQUID)
Common Name:	OXYGEN GAS (LIQUID)
Case Number:	7782-44-7

Record ID:	DEH2005-HUPFP-204862
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2017-HCHEM-0158321
Trade Secret:	N
Hazardous Material Type:	Pure
Last Updated:	2017-10-03T00:45:04.000
Chemical Name:	FERRIC CHLORIDE
Common Name:	FERRIC CHLORIDE
Case Number:	10025-77-1

Record ID:	DEH2005-HUPFP-204862
Permit Status:	Permit Renewed

METAL ETCH SERVICES INC (Continued) **S104745261**

Active Permit: Y
Child Record Id: DEH2017-HCHEM-0158322
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2017-10-03T00:45:04.000
Chemical Name: Methylene Chloride
Common Name: Methylene Chloride
Case Number: 75-09-2

Record ID: DEH2005-HUPFP-204862
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HWAST-0133973
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2017-10-03T00:45:04.000
Chemical Name: WASTE 792 LIQUIDS W/PH <OR= 2 W/METALS
Common Name: ACIDIC WASTE WITH METALS
Case Number: Not reported

Record ID: DEH2005-HUPFP-204862
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HWAST-0133974
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2017-10-03T00:45:04.000
Chemical Name: Silver
Common Name: Silver
Case Number: Not reported

Record ID: DEH2005-HUPFP-204862
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HCHEM-0250561
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2020-07-30T02:36:59.000
Chemical Name: Methylene Chloride
Common Name: Methylene Chloride
Case Number: 75-09-2

Record ID: DEH2005-HUPFP-204862
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HCHEM-0250559
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2020-07-30T02:36:59.000
Chemical Name: OXYGEN GAS (LIQUID)
Common Name: OXYGEN GAS (LIQUID)
Case Number: 7782-44-7

Record ID: DEH2005-HUPFP-204862
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HCHEM-0250560

METAL ETCH SERVICES INC (Continued) **S104745261**

Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2020-07-30T02:36:59.000
Chemical Name: FERRIC CHLORIDE
Common Name: FERRIC CHLORIDE
Case Number: 10025-77-1

Record ID: DEH2005-HUPFP-204862
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HWAST-0221673
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2020-07-30T02:36:59.000
Chemical Name: WASTE 792 LIQUIDS W/PH <OR= 2 W/METALS
Common Name: ACIDIC WASTE WITH METALS
Case Number: Not reported

Record ID: DEH2005-HUPFP-204862
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HWAST-0250978
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2021-08-31T00:34:24.000
Chemical Name: WASTE 792 LIQUIDS W/PH <OR= 2 W/METALS
Common Name: ACIDIC WASTE WITH METALS
Case Number: Not reported

Name: METAL ETCH SERVICES INC
Address: 1165 LINDA VISTA DR
City,State,Zip: SAN MARCOS, CA 92078
Permit Number: 204862
Business Type: 6HK35
EPA Id Number: CAL000304576
APN: 219-200-23-22
Last HMMD Inspection: 04/28/2010
Facility Telephone: 760-471-8458
Permit Status: OPEN
Permit Expiration: 08/31/2013
Date Last Updated: 11/02/2012
Facility Owner: ELIAS MALFAVON
Facility Mailing Address: 1165 LINDA VISTA DR #107
Facility Mailing City: SAN MARCOS
Facility Mailing State: CA
Facility Mailing Zip: 92078
UST Owner: Not reported
Handle Regulated Hazmat: Y
Own Or Operate UST: Not reported
Subject To APSA: Not reported
Generate Haz Waste: Y
Treat Haz Waste: Not reported
Generate Medical Waste: Not reported

Inventory Active Permits (not SQG Medical):
Permit Number: 204862
Update Date: 11/02/2012

METAL ETCH SERVICES INC (Continued) **S104745261**

Case Number: Not reported
Name: FERRIC CHLORIDE
Other Information: FERRIC CHLORIDE
Material Waste: Material
Hazardous Categories 1: REACTIVE
Hazardous Categories 2: ACUTE

Permit Number: 204862
Update Date: 11/02/2012
Case Number: 7782-44-7
Name: OXYGEN GAS (LIQUID)
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: CRYOGENIC

Permit Number: 204862
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 792 LIQUIDS W/PH <OR= 2 W/METALS
Other Information: ACIDIC WASTE WITH METALS
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Violations Active Permits:
Permit Number: 204862
Update Date: 11/02/2012
Inspection Date: 08/22/2008
Violation Code: 6HV0227
Violation: HAZWASTE TANK/CONTAINER W/O LABEL/DATE
Violation Citation: Failed to properly label/date hazardous waste container &/or tank. 66262.34(f)
Activity: ACTIVE

Permit Number: 204862
Update Date: 11/02/2012
Inspection Date: 04/28/2010
Violation Code: 6HV1009
Violation: HMBP: INADEQUATE SITE MAP
Violation Citation: Business Plan does not have a site map which provides sufficient or complete information for emergency response agencies. HSC 25509(a)(5) & 25505(a)(2)
Activity: ACTIVE

Name: METAL ETCH SERVICES INC
Address: 1165 LINDA VISTA DR
City,State,Zip: SAN MARCOS, CA 92078
Permit Number: 204862
Business Type: 6HK35
EPA Id Number: CAL000304576
APN: 219-200-23-22
Last HMMD Inspection: 04/28/2010
Facility Telephone: 760-471-8458
Permit Status: OPEN
Permit Expiration: 08/31/2013

METAL ETCH SERVICES INC (Continued) **S104745261**

Date Last Updated:	11/02/2012
Facility Owner:	ELIAS MALFAVON
Facility Mailing Address:	1165 LINDA VISTA DR #107
Facility Mailing City:	SAN MARCOS
Facility Mailing State:	CA
Facility Mailing Zip:	92078
UST Owner:	Not reported
Handle Regulated Hazmat:	Y
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Y
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

Inventory Active Permits (not SQG Medical):

Permit Number:	204862
Update Date:	11/02/2012
Case Number:	Not reported
Name:	FERRIC CHLORIDE
Other Information:	FERRIC CHLORIDE
Material Waste:	Material
Hazardous Categories 1:	REACTIVE
Hazardous Categories 2:	ACUTE

Permit Number:	204862
Update Date:	11/02/2012
Case Number:	7782-44-7
Name:	OXYGEN GAS (LIQUID)
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	FIRE
Hazardous Categories 2:	CRYOGENIC

Permit Number:	204862
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 792 LIQUIDS W/PH <OR= 2 W/METALS
Other Information:	ACIDIC WASTE WITH METALS
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Violations Active Permits:

Permit Number:	204862
Update Date:	11/02/2012
Inspection Date:	08/22/2008
Violation Code:	6HV0227
Violation:	HAZWASTE TANK/CONTAINER W/O LABEL/DATE
Violation Citation:	Failed to properly label/date hazardous waste container &/or tank. 66262.34(f)
Activity:	ACTIVE

Permit Number:	204862
Update Date:	11/02/2012
Inspection Date:	04/28/2010
Violation Code:	6HV1009
Violation:	HMBP: INADEQUATE SITE MAP

METAL ETCH SERVICES INC (Continued) **S104745261**

Violation Citation:	Business Plan does not have a site map which provides sufficient or complete information for emergency response agencies. HSC 25509(a)(5) & 25505(a)(2)
Activity:	ACTIVE

Name:	UNI CARE HOME HEALTH INC
Address:	1165 LINDA VISTA DR
City,State,Zip:	SAN MARCOS, CA 92078
Permit Number:	215806
Business Type:	6HK10
EPA Id Number:	Not reported
APN:	219-200-23-22
Last HMMD Inspection:	12/05/2011
Facility Telephone:	760-510-0055
Permit Status:	OPEN
Permit Expiration:	04/30/2013
Date Last Updated:	11/02/2012
Facility Owner:	ALBERT KESHAVARZI
Facility Mailing Address:	1165 LINDA VISTA DR #101
Facility Mailing City:	San Marcos
Facility Mailing State:	CA
Facility Mailing Zip:	92078
UST Owner:	Not reported
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Not reported
Treat Haz Waste:	Not reported
Generate Medical Waste:	Y

Inventory Active Permits (SQG Medical):

Permit Number:	215806
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 902 INFECTIOUS WASTE, SHARPS
Other Information:	Not reported
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Violations Active Permits:

Permit Number:	215806
Update Date:	11/02/2012
Inspection Date:	12/05/2011
Violation Code:	6HV4201
Violation:	NO UPF PERMIT FOR MEDICAL WASTE
Violation Citation:	A Unified Program Facility Permit has not been obtained for the generation of medical waste. 117705, 68.905
Activity:	ACTIVE

Permit Number:	215806
Update Date:	11/02/2012
Inspection Date:	12/05/2011
Violation Code:	6HV4309
Violation:	SQG:MWMP OR EQUIV NOT ONSITE
Violation Citation:	Medical Waste Management Plan or equivalent information not onsite for

METAL ETCH SERVICES INC (Continued) **S104745261**

review (SQG). 117945
Activity: ACTIVE

CERS HAZ WASTE:
Name: METAL ETCH SERVICES INC
Address: 1165 LINDA VISTA DR
City,State,Zip: SAN MARCOS, CA 92078
Site ID: 134394
CERS ID: 10376158
CERS Description: Hazardous Waste Generator

CERS:
Name: METAL ETCH SERVICES INC
Address: 1165 LINDA VISTA DR
City,State,Zip: SAN MARCOS, CA 92078
Site ID: 134394
CERS ID: 10376158
CERS Description: Chemical Storage Facilities

Violations:
Site ID: 134394
Site Name: METAL ETCH SERVICES INC
Violation Date: 04-30-2021
Citation: 22 CCR 12 66262.12 - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.12
Violation Description: Failure to obtain an Identification Number prior to treating, storing, disposing of, transporting or offering for transportation any hazardous waste.
Violation Notes: Returned to compliance on 05/13/2021. Inspection Sequence ID:6719681
Violation Division: San Diego County Department of Env Health
Violation Program: HW
Violation Source: CERS,

Site ID: 134394
Site Name: METAL ETCH SERVICES INC
Violation Date: 04-27-2018
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description: Failure to complete and electronically submit a site map with all required content.
Violation Notes: Returned to compliance on 05/26/2018.
Violation Division: San Diego County Department of Env Health
Violation Program: HMRRP
Violation Source: CERS,

Site ID: 134394
Site Name: METAL ETCH SERVICES INC
Violation Date: 04-17-2014
Citation: HSC 6.95 25504(c) - California Health and Safety Code, Chapter 6.95, Section(s) 25504(c)
Violation Description: Failure to include an adequate training program in the business plan, which is reasonable and appropriate for the size of the business and the nature of the hazardous material handled.
Violation Notes: Returned to compliance on 04/23/2014.
Violation Division: San Diego County Department of Env Health
Violation Program: HMRRP

METAL ETCH SERVICES INC (Continued) **S104745261**

Violation Source: CERS,

Evaluation:
Eval General Type: Compliance Evaluation Inspection
Eval Date: 04-27-2018
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Inspector: Kieu Bridget Inspection ID:5923202
Eval Division: San Diego County Department of Env Health
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 04-17-2014
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Inspector: North HN004 Inspection ID:4622106
Eval Division: San Diego County Department of Env Health
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 06-08-2016
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Inspector: Calcagno Leonardo Inspection ID:5419930
Eval Division: San Diego County Department of Env Health
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 06-08-2016
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Inspector: Calcagno Leonardo Inspection ID:5419930
Eval Division: San Diego County Department of Env Health
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 12-15-2020
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Inspector: Valdez Kevin Inspection ID:6429570
Eval Division: San Diego County Department of Env Health
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 04-17-2014
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Inspector: North HN004 Inspection ID:4622106
Eval Division: San Diego County Department of Env Health
Eval Program: HMRRP
Eval Source: CERS,

METAL ETCH SERVICES INC (Continued) **S104745261**

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	04-27-2018
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Inspector: Kieu Bridget Inspection ID:5923202
Eval Division:	San Diego County Department of Env Health
Eval Program:	HMRRP
Eval Source:	CERS,

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	04-30-2021
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Inspector: Valdez Kevin Inspection ID:6719681
Eval Division:	San Diego County Department of Env Health
Eval Program:	HW
Eval Source:	CERS,

Coordinates:

Site ID:	134394
Facility Name:	METAL ETCH SERVICES INC
Env Int Type Code:	HWG
Program ID:	10376158
Coord Name:	Not reported
Ref Point Type Desc:	Center of a facility or station.,
Latitude:	33.137350
Longitude:	-117.190820

Affiliation:

Affiliation Type Desc:	Document Preparer
Entity Name:	Elias Malfavon
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,

Affiliation Type Desc:	Legal Owner
Entity Name:	METAL ETCH SERVICES, INC.
Entity Title:	Not reported
Affiliation Address:	1165 LINDA VISTA DR# 106
Affiliation City:	SAN MARCOS
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	92078
Affiliation Phone:	(760) 510-9476,

Affiliation Type Desc:	Parent Corporation
Entity Name:	METAL ETCH SERVICES INC
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported

METAL ETCH SERVICES INC (Continued) **S104745261**

Affiliation Zip:	Not reported
Affiliation Phone:	,
Affiliation Type Desc:	CUPA District
Entity Name:	San Diego County Env Health Qlty
Entity Title:	Not reported
Affiliation Address:	PO Box 129261
Affiliation City:	San Diego
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92112-9261
Affiliation Phone:	(858) 505-6880,
Affiliation Type Desc:	Identification Signer
Entity Name:	Malfavon Elias
Entity Title:	PRESIDENT
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,
Affiliation Type Desc:	Operator
Entity Name:	ELIAS MALFAVON
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	(760) 521-7388,
Affiliation Type Desc:	Environmental Contact
Entity Name:	ELIAS MALFAVON JR
Entity Title:	Not reported
Affiliation Address:	1165 Linda Vista Dr. # 106
Affiliation City:	San Marcos
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92078
Affiliation Phone:	,
Affiliation Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	Not reported
Affiliation Address:	1165 LINDA VISTA DR #106
Affiliation City:	SAN MARCOS
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92078
Affiliation Phone:	,

V131 **SPROUTS FARMERS MARKET #203** **RCRA NonGen / NLR** **1024858189**
WNW **149 S LAS POSAS RD** **CAL000423979**
1/8-1/4 **SAN MARCOS, CA 92078**
0.230 mi.
1214 ft. **Site 2 of 6 in cluster V**

Relative:
Higher

Actual:
544 ft.

RCRA Listings:

Date Form Received by Agency:		20170109
Handler Name:	SPROUTS FARMERS MARKET #203	
Handler Address:		149 S LAS POSAS RD
Handler City,State,Zip:		SAN MARCOS, CA 92078
EPA ID:		CAL000423979
Contact Name:		LUIS TORRES
Contact Address:		5455 E. HIGH STREET
Contact City,State,Zip:		PHOENIX, AZ 85054
Contact Telephone:		480-814-8016
Contact Fax:		480-385-2356
Contact Email:		ABEEBE@ENVIROSURE.COM
Contact Title:		Not reported
EPA Region:		09
Land Type:		Not reported
Federal Waste Generator Description:		Not a generator, verified
Non-Notifier:		Not reported
Biennial Report Cycle:		Not reported
Accessibility:		Not reported
Active Site Indicator:		Handler Activities
State District Owner:		Not reported
State District:		Not reported
Mailing Address:		5455 E. HIGH STREET
Mailing City,State,Zip:		PHOENIX, AZ 85054-5453
Owner Name:	SF MARKETS LLC	
Owner Type:		Other
Operator Name:	LUIS TORRES	
Operator Type:		Other
Short-Term Generator Activity:		No
Importer Activity:		No
Mixed Waste Generator:		No
Transporter Activity:		No
Transfer Facility Activity:		No
Recycler Activity with Storage:		No
Small Quantity On-Site Burner Exemption:		No
Smelting Melting and Refining Furnace Exemption:		No
Underground Injection Control:		No
Off-Site Waste Receipt:		No
Universal Waste Indicator:		Yes
Universal Waste Destination Facility:		Yes
Federal Universal Waste:		No
Active Site Fed-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site Converter Treatment storage and Disposal Facility:		Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site State-Reg Handler:		---
Federal Facility Indicator:		Not reported
Hazardous Secondary Material Indicator:		N
Sub-Part K Indicator:		Not reported
Commercial TSD Indicator:		No
Treatment Storage and Disposal Type:		Not reported
2018 GPRA Permit Baseline:		Not on the Baseline
2018 GPRA Renewals Baseline:		Not on the Baseline
Permit Renewals Workload Universe:		Not reported

SPROUTS FARMERS MARKET #203 (Continued) **1024858189**

Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20180907
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Operator
Owner/Operator Name: LUIS TORRES	
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	5455 E. HIGH STREET
Owner/Operator City,State,Zip:	PHOENIX, AZ 85054
Owner/Operator Telephone:	480-814-8016
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Owner
Owner/Operator Name: SF MARKETS LLC	
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	5455 E. HIGH STREET
Owner/Operator City,State,Zip:	PHOENIX, AZ 85054-5453
Owner/Operator Telephone:	480-814-8016
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

SPROUTS FARMERS MARKET #203 (Continued) **1024858189**

Historic Generators:
Receive Date: 20170109
Handler Name: SPROUTS FARMERS MARKET #203
Federal Waste Generator Description: Not a generator, verified
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Code: 56299
NAICS Description: ALL OTHER WASTE MANAGEMENT SERVICES

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

V132 **SPROUTS FARMERS MARKET #203** **San Diego Co. HMMD** **S122354484**
WNW **149 SOUTH LAS POSAS ROAD** **CERS HAZ WASTE** **N/A**
1/8-1/4 **SAN MARCOS, CA 92078** **HAZNET**
0.230 mi. **CERS**
1214 ft. **Site 3 of 6 in cluster V** **HWTS**

Relative: Higher

Actual: 544 ft.

HMMD SAN DIEGO:
Name: SPROUTS FARMERS MARKET #203
Address: 149 S LAS POSAS RD
City,State,Zip: SAN MARCOS, CA 92078
Permit Number: Not reported
Business Type: Not reported
EPA Id Number: CAL000423979
APN: Not reported
Last HMMD Inspection: Not reported
Facility Telephone: (760) 208-6041
Permit Status: Permit Renewed
Permit Expiration: Not reported
Date Last Updated: 05/25/2022
Facility Owner: Not reported
Facility Mailing Address: 5455 East High Street, Suite 111, Phoenix, AZ 85054
Facility Mailing City: Not reported
Facility Mailing State: Not reported
Facility Mailing Zip: Not reported
UST Owner: N
Handle Regulated Hazmat: Not reported
Own Or Operate UST: Not reported
Subject To APSA: Not reported
Generate Haz Waste: Y
Treat Haz Waste: N
Generate Medical Waste: Not reported

SPROUTS FARMERS MARKET #203 (Continued) **S122354484**

Inspection Violation:

Record ID:	DEH2017-HUPFP-003380
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-003380
Program Element:	Hazardous Waste Generator
Inspection Type:	Initial Inspection
Inspection Number:	5658298
Return To Compliance Date:	2017-07-10T00:00:00.000
Nov:	No
Violation Classification:	Minor
Underground Storage Tank Id:	Not reported
Container/Tank Id:	Not reported
Last Update:	2022-05-25T01:58:08.000
Inspection Date:	2017-06-26T12:54:00.000
Violation Code:	HMD0226 Did not accumulate waste in a container or tank. (40 CFR 262.34(d)(2).) 22 CCR 66262.34(d)(2)

Record ID:	DEH2017-HUPFP-003380
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-003380
Program Element:	Hazardous Materials Release Response Plans
Inspection Type:	Routine
Inspection Number:	6191430
Return To Compliance Date:	2019-12-27T00:00:00.000
Nov:	No
Violation Classification:	Class II
Underground Storage Tank Id:	Not reported
Container/Tank Id:	Not reported
Last Update:	2022-05-25T01:58:08.000
Inspection Date:	2019-11-25T00:00:00.000
Violation Code:	1010004 Chemical inventory incomplete or not submitted in CERS. HSC 25505(a)(1); 25507(a); 25508.1(a-b); 19 CCR 2654 (a) or (d)

Record ID:	DEH2017-HUPFP-003380
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-003380
Program Element:	Hazardous Materials Release Response Plans
Inspection Type:	Routine
Inspection Number:	6191430
Return To Compliance Date:	2019-12-27T00:00:00.000
Nov:	No
Violation Classification:	Class II
Underground Storage Tank Id:	Not reported
Container/Tank Id:	Not reported
Last Update:	2022-05-25T01:58:08.000
Inspection Date:	2019-11-25T00:00:00.000
Violation Code:	1010001 Failed to establish and implement a HMBP. HSC 25505(a) and 25507(a)

Waste and Materials:

Record ID:	DEH2017-HUPFP-003380
Permit Status:	Permit Renewed
Active Permit:	Y

SPROUTS FARMERS MARKET #203 (Continued) **S122354484**

Child Record Id: DEH2018-HWAST-0159034
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2018-05-31T00:37:30.000
Chemical Name: Not reported
Common Name: Retail Waste - Aerosols
Case Number: Not reported

Record ID: DEH2017-HUPFP-003380
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HWAST-0159035
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2018-05-31T00:37:30.000
Chemical Name: Not reported
Common Name: Retail Waste - Flammables/Combustibles
Case Number: Not reported

Record ID: DEH2017-HUPFP-003380
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HWAST-0159036
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2018-05-31T00:37:30.000
Chemical Name: Not reported
Common Name: Retail Waste - Oxidizers
Case Number: Not reported

Record ID: DEH2017-HUPFP-003380
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HWAST-0159037
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2018-05-31T00:37:30.000
Chemical Name: Not reported
Common Name: Retail Waste - Acidic Corrosives
Case Number: Not reported

Record ID: DEH2017-HUPFP-003380
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HWAST-0159038
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2018-05-31T00:37:30.000
Chemical Name: Not reported
Common Name: Retail Waste - Basic Corrosives
Case Number: Not reported

Record ID: DEH2017-HUPFP-003380
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HWAST-0159039
Trade Secret: N

SPROUTS FARMERS MARKET #203 (Continued) **S122354484**

Hazardous Material Type: Not reported
Last Updated: 2018-05-31T00:37:30.000
Chemical Name: Not reported
Common Name: Retail Waste - Universal Waste
Case Number: Not reported

Record ID: DEH2017-HUPFP-003380
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HWAST-0159040
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2018-05-31T00:37:30.000
Chemical Name: Not reported
Common Name: Retail Waste - Toxic Regulated Waste
Case Number: Not reported

Record ID: DEH2017-HUPFP-003380
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HWAST-0159041
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2018-05-31T00:37:30.000
Chemical Name: Not reported
Common Name: Retail Waste - Non RCRA hazardous waste (State Regulated Products), liquid
Case Number: Not reported

Record ID: DEH2017-HUPFP-003380
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HWAST-0159042
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2018-05-31T00:37:30.000
Chemical Name: Not reported
Common Name: Retail Waste - Non RCRA hazardous waste (State Regulated Products), solid
Case Number: Not reported

Record ID: DEH2017-HUPFP-003380
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HWAST-0144499
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2018-02-22T00:54:45.000
Chemical Name: Not reported
Common Name: Retail Waste - Aerosols
Case Number: Not reported

Record ID: DEH2017-HUPFP-003380
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HWAST-0144500
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2018-02-22T00:54:45.000

SPROUTS FARMERS MARKET #203 (Continued) **S122354484**

Chemical Name: Not reported
Common Name: Retail Waste - Flammables/Combustibles
Case Number: Not reported

Record ID: DEH2017-HUPFP-003380
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HWAST-0144501
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2018-02-22T00:54:45.000
Chemical Name: Not reported
Common Name: Retail Waste - Oxidizers
Case Number: Not reported

Record ID: DEH2017-HUPFP-003380
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HWAST-0144502
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2018-02-22T00:54:45.000
Chemical Name: Not reported
Common Name: Retail Waste - Acidic Corrosives
Case Number: Not reported

Record ID: DEH2017-HUPFP-003380
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HWAST-0144503
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2018-02-22T00:54:45.000
Chemical Name: Not reported
Common Name: Retail Waste - Basic Corrosives
Case Number: Not reported

Record ID: DEH2017-HUPFP-003380
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HWAST-0144504
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2018-02-22T00:54:45.000
Chemical Name: Not reported
Common Name: Retail Waste - Universal Waste
Case Number: Not reported

Record ID: DEH2017-HUPFP-003380
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HWAST-0144505
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2018-02-22T00:54:45.000
Chemical Name: Not reported
Common Name: Retail Waste - Toxic Regulated Waste

SPROUTS FARMERS MARKET #203 (Continued) **S122354484**

Case Number: Not reported

Record ID: DEH2017-HUPFP-003380
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HWAST-0144506
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2018-02-22T00:54:45.000
Chemical Name: Not reported
Common Name: Retail Waste - Non RCRA hazardous waste (State Regulated Products), liquid
Case Number: Not reported

Record ID: DEH2017-HUPFP-003380
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HWAST-0144507
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2018-02-22T00:54:45.000
Chemical Name: Not reported
Common Name: Retail Waste - Non RCRA hazardous waste (State Regulated Products), solid
Case Number: Not reported

Record ID: DEH2017-HUPFP-003380
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HCHEM-0241775
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2020-03-04T01:43:07.000
Chemical Name: R-404A
Common Name: R-404A
Case Number: Not reported

Record ID: DEH2017-HUPFP-003380
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HWAST-0212514
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2020-03-04T01:43:08.000
Chemical Name: Not reported
Common Name: Retail Waste - Aerosols, Flammables/Combustibles
Case Number: Not reported

Record ID: DEH2017-HUPFP-003380
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HWAST-0212515
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2020-03-04T01:43:08.000
Chemical Name: Not reported
Common Name: Retail Waste - Oxidizers
Case Number: Not reported

SPROUTS FARMERS MARKET #203 (Continued) **S122354484**

Record ID: DEH2017-HUPFP-003380
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HWAST-0212516
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2020-03-04T01:43:08.000
Chemical Name: Not reported
Common Name: Retail Waste - Acidic Corrosives
Case Number: Not reported

Record ID: DEH2017-HUPFP-003380
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HWAST-0212517
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2020-03-04T01:43:08.000
Chemical Name: Not reported
Common Name: Retail Waste - Basic Corrosives
Case Number: Not reported

Record ID: DEH2017-HUPFP-003380
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HWAST-0212518
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2020-03-04T01:43:08.000
Chemical Name: Not reported
Common Name: Retail Waste - Universal Waste
Case Number: Not reported

Record ID: DEH2017-HUPFP-003380
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HWAST-0212519
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2020-03-04T01:43:08.000
Chemical Name: Not reported
Common Name: Retail Waste - Toxic Regulated Waste, liquid
Case Number: Not reported

Record ID: DEH2017-HUPFP-003380
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HWAST-0212520
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2020-03-04T01:43:08.000
Chemical Name: Not reported
Common Name: Retail Waste - Non RCRA hazardous waste (State Regulated Products), liquid
Case Number: Not reported

Record ID: DEH2017-HUPFP-003380
Permit Status: Permit Renewed

SPROUTS FARMERS MARKET #203 (Continued) **S122354484**

Active Permit: Y
Child Record Id: DEH2020-HWAST-0212521
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2020-03-04T01:43:08.000
Chemical Name: Not reported
Common Name: Retail Waste - Non RCRA hazardous waste (State Regulated Products), solid
Case Number: Not reported

Record ID: DEH2017-HUPFP-003380
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2019-HWAST-0183717
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2019-11-26T01:30:46.000
Chemical Name: Not reported
Common Name: Retail Waste - Aerosols, Flammables/Combustibles
Case Number: Not reported

Record ID: DEH2017-HUPFP-003380
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2019-HWAST-0183718
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2019-11-26T01:30:46.000
Chemical Name: Not reported
Common Name: Retail Waste - Oxidizers
Case Number: Not reported

Record ID: DEH2017-HUPFP-003380
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2019-HWAST-0183719
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2019-11-26T01:30:46.000
Chemical Name: Not reported
Common Name: Retail Waste - Acidic Corrosives
Case Number: Not reported

Record ID: DEH2017-HUPFP-003380
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2019-HWAST-0183720
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2019-11-26T01:30:46.000
Chemical Name: Not reported
Common Name: Retail Waste - Basic Corrosives
Case Number: Not reported

Record ID: DEH2017-HUPFP-003380
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2019-HWAST-0183721

SPROUTS FARMERS MARKET #203 (Continued) **S122354484**

Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2019-11-26T01:30:46.000
Chemical Name: Not reported
Common Name: Retail Waste - Universal Waste
Case Number: Not reported

Record ID: DEH2017-HUPFP-003380
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2019-HWAST-0183722
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2019-11-26T01:30:46.000
Chemical Name: Not reported
Common Name: Retail Waste - Toxic Regulated Waste, liquid
Case Number: Not reported

Record ID: DEH2017-HUPFP-003380
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2022-HCHEM-0330591
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2022-05-25T01:58:11.000
Chemical Name: R-404A
Common Name: R-404A
Case Number: Not reported

Record ID: DEH2017-HUPFP-003380
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2022-HWAST-0297202
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2022-05-25T01:58:11.000
Chemical Name: Not reported
Common Name: Retail Waste - Aerosols, Flammables/Combustibles
Case Number: Not reported

Record ID: DEH2017-HUPFP-003380
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2022-HWAST-0297203
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2022-05-25T01:58:11.000
Chemical Name: Not reported
Common Name: Retail Waste - Corrosives, Acidic
Case Number: Not reported

Record ID: DEH2017-HUPFP-003380
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2022-HWAST-0297204
Trade Secret: N
Hazardous Material Type: Not reported

SPROUTS FARMERS MARKET #203 (Continued) **S122354484**

Last Updated: 2022-05-25T01:58:11.000
Chemical Name: Not reported
Common Name: Retail Waste - Corrosives, Basic
Case Number: Not reported

Record ID: DEH2017-HUPFP-003380
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2022-HWAST-0297205
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2022-05-25T01:58:11.000
Chemical Name: Not reported
Common Name: Retail Waste - Oxidizers
Case Number: Not reported

Record ID: DEH2017-HUPFP-003380
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2022-HWAST-0297206
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2022-05-25T01:58:11.000
Chemical Name: Not reported
Common Name: Retail Waste - State-regulated, liquid (Non RCRA hazardous waste)
Case Number: Not reported

Record ID: DEH2017-HUPFP-003380
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2022-HWAST-0297207
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2022-05-25T01:58:11.000
Chemical Name: Not reported
Common Name: Retail Waste - State-regulated, solid (Non RCRA hazardous waste)
Case Number: Not reported

Record ID: DEH2017-HUPFP-003380
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2022-HWAST-0297208
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2022-05-25T01:58:11.000
Chemical Name: Not reported
Common Name: Retail Waste - Toxic Regulated Waste, liquid
Case Number: Not reported

Record ID: DEH2017-HUPFP-003380
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HWAST-0130480
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2017-10-23T21:40:14.000
Chemical Name: Not reported

SPROUTS FARMERS MARKET #203 (Continued) **S122354484**

Common Name: Retail Waste - Aerosols
Case Number: Not reported

Record ID: DEH2017-HUPFP-003380
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HWAST-0130481
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2017-10-23T21:40:14.000
Chemical Name: Not reported
Common Name: Retail Waste - Corrosives
Case Number: Not reported

Record ID: DEH2017-HUPFP-003380
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HWAST-0130482
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2017-10-23T21:40:14.000
Chemical Name: Not reported
Common Name: Retail Waste - Flammables/Combustibles
Case Number: Not reported

Record ID: DEH2017-HUPFP-003380
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HWAST-0130483
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2017-10-23T21:40:14.000
Chemical Name: Not reported
Common Name: Retail Waste - Irritants
Case Number: Not reported

Record ID: DEH2017-HUPFP-003380
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2019-HWAST-0183723
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2019-11-26T01:30:46.000
Chemical Name: Not reported
Common Name: Retail Waste - Non RCRA hazardous waste (State Regulated Products), liquid
Case Number: Not reported

Record ID: DEH2017-HUPFP-003380
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2019-HWAST-0183724
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2019-11-26T01:30:46.000
Chemical Name: Not reported
Common Name: Retail Waste - Non RCRA hazardous waste (State Regulated Products), solid
Case Number: Not reported

SPROUTS FARMERS MARKET #203 (Continued) **S122354484**

Record ID:	DEH2017-HUPFP-003380
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2022-HWAST-0283857
Trade Secret:	N
Hazardous Material Type:	Not reported
Last Updated:	2022-01-04T00:40:35.000
Chemical Name:	Not reported
Common Name:	Retail Waste - Flammables/Combustibles, liquid
Case Number:	Not reported

Record ID:	DEH2017-HUPFP-003380
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2022-HWAST-0283858
Trade Secret:	N
Hazardous Material Type:	Not reported
Last Updated:	2022-01-04T00:40:35.000
Chemical Name:	Not reported
Common Name:	Retail Waste - Oxidizers
Case Number:	Not reported

Record ID:	DEH2017-HUPFP-003380
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2020-HCHEM-0275855
Trade Secret:	N
Hazardous Material Type:	Mixture
Last Updated:	2021-07-20T02:32:07.000
Chemical Name:	R-404A
Common Name:	R-404A
Case Number:	Not reported

Record ID:	DEH2017-HUPFP-003380
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2020-HWAST-0244281
Trade Secret:	N
Hazardous Material Type:	Not reported
Last Updated:	2021-07-20T02:32:07.000
Chemical Name:	Not reported
Common Name:	Retail Waste - Aerosols, Flammables/Combustibles
Case Number:	Not reported

Record ID:	DEH2017-HUPFP-003380
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2020-HWAST-0244282
Trade Secret:	N
Hazardous Material Type:	Not reported
Last Updated:	2021-07-20T02:32:07.000
Chemical Name:	Not reported
Common Name:	Retail Waste - Corrosives, Acidic
Case Number:	Not reported

Record ID:	DEH2017-HUPFP-003380
Permit Status:	Permit Renewed

SPROUTS FARMERS MARKET #203 (Continued) **S122354484**

Active Permit: Y
Child Record Id: DEH2020-HWAST-0244283
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2021-07-20T02:32:07.000
Chemical Name: Not reported
Common Name: Retail Waste - Corrosives, Basic
Case Number: Not reported

Record ID: DEH2017-HUPFP-003380
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HWAST-0244284
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2021-07-20T02:32:07.000
Chemical Name: Not reported
Common Name: Retail Waste - Oxidizers
Case Number: Not reported

Record ID: DEH2017-HUPFP-003380
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HWAST-0244285
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2021-07-20T02:32:07.000
Chemical Name: Not reported
Common Name: Retail Waste - State-regulated, liquid (Non RCRA hazardous waste)
Case Number: Not reported

Record ID: DEH2017-HUPFP-003380
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HWAST-0244286
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2021-07-20T02:32:07.000
Chemical Name: Not reported
Common Name: Retail Waste - State-regulated, solid (Non RCRA hazardous waste)
Case Number: Not reported

Record ID: DEH2017-HUPFP-003380
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HWAST-0244287
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2021-07-20T02:32:07.000
Chemical Name: Not reported
Common Name: Retail Waste - Toxic Regulated Waste, liquid
Case Number: Not reported

Record ID: DEH2017-HUPFP-003380
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2022-HWAST-0283855

SPROUTS FARMERS MARKET #203 (Continued) **S122354484**

Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2022-01-04T00:40:35.000
Chemical Name: Not reported
Common Name: Retail Waste - Corrosives, Acidic
Case Number: Not reported

Record ID: DEH2017-HUPFP-003380
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2022-HWAST-0283856
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2022-01-04T00:40:35.000
Chemical Name: Not reported
Common Name: Retail Waste - Corrosives, Basic
Case Number: Not reported

Record ID: DEH2017-HUPFP-003380
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2021-HCHEM-0308971
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2021-12-01T00:51:42.000
Chemical Name: R-404A
Common Name: R-404A
Case Number: Not reported

Record ID: DEH2017-HUPFP-003380
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2022-HCHEM-0316971
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2022-01-04T00:40:34.000
Chemical Name: R-404A
Common Name: R-404A
Case Number: Not reported

Record ID: DEH2017-HUPFP-003380
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2022-HWAST-0283854
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2022-01-04T00:40:35.000
Chemical Name: Not reported
Common Name: Retail Waste - Aerosols
Case Number: Not reported

Record ID: DEH2017-HUPFP-003380
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2022-HWAST-0283859
Trade Secret: N
Hazardous Material Type: Not reported

SPROUTS FARMERS MARKET #203 (Continued) **S122354484**

Last Updated: 2022-01-04T00:40:35.000
Chemical Name: Not reported
Common Name: Retail Waste - State-regulated, liquid (Non RCRA hazardous waste)
Case Number: Not reported

Record ID: DEH2017-HUPFP-003380
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2022-HWAST-0283860
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2022-01-04T00:40:35.000
Chemical Name: Not reported
Common Name: Retail Waste - State-regulated, solid (Non RCRA hazardous waste)
Case Number: Not reported

Record ID: DEH2017-HUPFP-003380
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2022-HWAST-0283861
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2022-01-04T00:40:35.000
Chemical Name: Not reported
Common Name: Retail Waste - Toxic Regulated Waste, liquid
Case Number: Not reported

Record ID: DEH2017-HUPFP-003380
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HWAST-0166794
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2018-10-25T15:20:13.000
Chemical Name: Not reported
Common Name: Retail Waste - Aerosols
Case Number: Not reported

Record ID: DEH2017-HUPFP-003380
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HWAST-0166795
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2018-10-25T15:20:13.000
Chemical Name: Not reported
Common Name: Retail Waste - Flammables/Combustibles
Case Number: Not reported

Record ID: DEH2017-HUPFP-003380
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HWAST-0166796
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2018-10-25T15:20:13.000
Chemical Name: Not reported

SPROUTS FARMERS MARKET #203 (Continued) **S122354484**

Common Name: Retail Waste - Oxidizers
Case Number: Not reported

Record ID: DEH2017-HUPFP-003380
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HWAST-0166797
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2018-10-25T15:20:13.000
Chemical Name: Not reported
Common Name: Retail Waste - Acidic Corrosives
Case Number: Not reported

Record ID: DEH2017-HUPFP-003380
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HWAST-0166798
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2018-10-25T15:20:13.000
Chemical Name: Not reported
Common Name: Retail Waste - Basic Corrosives
Case Number: Not reported

Record ID: DEH2017-HUPFP-003380
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HWAST-0166799
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2018-10-25T15:20:13.000
Chemical Name: Not reported
Common Name: Retail Waste - Universal Waste
Case Number: Not reported

Record ID: DEH2017-HUPFP-003380
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HWAST-0166800
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2018-10-25T15:20:13.000
Chemical Name: Not reported
Common Name: Retail Waste - Toxic Regulated Waste
Case Number: Not reported

Record ID: DEH2017-HUPFP-003380
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HWAST-0166801
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2018-10-25T15:20:13.000
Chemical Name: Not reported
Common Name: Retail Waste - Non RCRA hazardous waste (State Regulated Products), liquid
Case Number: Not reported

SPROUTS FARMERS MARKET #203 (Continued) **S122354484**

Record ID: DEH2017-HUPFP-003380
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HWAST-0166802
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2018-10-25T15:20:13.000
Chemical Name: Not reported
Common Name: Retail Waste - Non RCRA hazardous waste (State Regulated Products), solid
Case Number: Not reported

Record ID: DEH2017-HUPFP-003380
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2021-HWAST-0277011
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2021-12-01T00:51:42.000
Chemical Name: Not reported
Common Name: Retail Waste - Aerosols
Case Number: Not reported

Record ID: DEH2017-HUPFP-003380
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2021-HWAST-0277012
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2021-12-01T00:51:42.000
Chemical Name: Not reported
Common Name: Retail Waste - Corrosives, Acidic
Case Number: Not reported

Record ID: DEH2017-HUPFP-003380
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2021-HWAST-0277013
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2021-12-01T00:51:42.000
Chemical Name: Not reported
Common Name: Retail Waste - Corrosives, Basic
Case Number: Not reported

Record ID: DEH2017-HUPFP-003380
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2021-HWAST-0277014
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2021-12-01T00:51:42.000
Chemical Name: Not reported
Common Name: Retail Waste - Flammables/Combustibles, liquid
Case Number: Not reported

Record ID: DEH2017-HUPFP-003380
Permit Status: Permit Renewed

SPROUTS FARMERS MARKET #203 (Continued) **S122354484**

Active Permit: Y
Child Record Id: DEH2021-HWAST-0277015
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2021-12-01T00:51:42.000
Chemical Name: Not reported
Common Name: Retail Waste - Oxidizers
Case Number: Not reported

Record ID: DEH2017-HUPFP-003380
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2021-HWAST-0277016
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2021-12-01T00:51:42.000
Chemical Name: Not reported
Common Name: Retail Waste - State-regulated, liquid (Non RCRA hazardous waste)
Case Number: Not reported

Record ID: DEH2017-HUPFP-003380
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2021-HWAST-0277017
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2021-12-01T00:51:42.000
Chemical Name: Not reported
Common Name: Retail Waste - State-regulated, solid (Non RCRA hazardous waste)
Case Number: Not reported

Record ID: DEH2017-HUPFP-003380
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2021-HWAST-0277018
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2021-12-01T00:51:42.000
Chemical Name: Not reported
Common Name: Retail Waste - Toxic Regulated Waste, liquid
Case Number: Not reported

CERS HAZ WASTE:
Name: SPROUTS FARMERS MARKET #203
Address: 149 SOUTH LAS POSAS ROAD
City,State,Zip: SAN MARCOS, CA 92078
Site ID: 417667
CERS ID: 10724146
CERS Description: Hazardous Waste Generator

HAZNET:
Name: SPROUTS FARMERS MARKET #203
Address: 149 S LAS POSAS RD
Address 2: Not reported
City,State,Zip: SAN MARCOS, CA 92078

SPROUTS FARMERS MARKET #203 (Continued) **S122354484**

Contact:	LUIS TORRES
Telephone:	6026823127
Mailing Name:	Not reported
Mailing Address:	5455 E. HIGH STREET
Year:	2021
Gepaid:	CAL000423979
TSD EPA ID:	CAD008364432
CA Waste Code:	352 - Other organic solids
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.139
Year:	2021
Gepaid:	CAL000423979
TSD EPA ID:	CAD008364432
CA Waste Code:	331 - Off-specification, aged or surplus organics
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.1385
Year:	2020
Gepaid:	CAL000423979
TSD EPA ID:	CAD008364432
CA Waste Code:	352 - Other organic solids
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.2485
Year:	2020
Gepaid:	CAL000423979
TSD EPA ID:	CAD008364432
CA Waste Code:	331 - Off-specification, aged or surplus organics
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.0415
Year:	2020
Gepaid:	CAL000423979
TSD EPA ID:	CAD008364432
CA Waste Code:	214 - Unspecified solvent mixture
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.006
Year:	2020
Gepaid:	CAL000423979
TSD EPA ID:	CAD008364432
CA Waste Code:	122 - Alkaline solution without metals pH >= 12.5
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.0005
Year:	2019
Gepaid:	CAL000423979
TSD EPA ID:	NVD980895338
CA Waste Code:	331 - Off-specification, aged or surplus organics

SPROUTS FARMERS MARKET #203 (Continued) **S122354484**

Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.00350
Year:	2019
Gepaid:	CAL000423979
TSD EPA ID:	CAD008364432
CA Waste Code:	331 - Off-specification, aged or surplus organics
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.01300
Year:	2019
Gepaid:	CAL000423979
TSD EPA ID:	CAD008364432
CA Waste Code:	352 - Other organic solids
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.01100
Year:	2018
Gepaid:	CAL000423979
TSD EPA ID:	CAD008364432
CA Waste Code:	352 - Other organic solids
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.06150

Click this hyperlink while viewing on your computer to access
8 additional CA HAZNET: record(s) in the EDR Site Report.

Detail Two:

Year:	2020
EM Manifest ID:	881595
Shipment Date:	9/3/2019
Receipt Date:	9/13/2019
Manifest Number:	013676457FLE
Generator EPA ID:	CAL000423979
Name:	SPROUTS
Address:	149 SOUTH LAS POSAS ROAD
Address 2:	Not reported
City:	SAN MARCOS
Zip:	92078
Telephone:	877-577-2669
Contact:	Not reported
Contact Telephone:	323-776-6233
Transporter 1 EPA ID:	MNS000110924
Transporter 1 Emergency Number:	Not reported
Transporter 2 EPA ID:	MNS000110924
Transporter 2 Emergency Number:	Not reported
TSDF EPA ID:	CAD008364432
TSDF Name:	Rho Chem LLC
TSDF Address 1:	425 Isis Ave.
TSDF Address 2:	Not reported
TSDF City:	Inglewood
TSDF Zip:	90301

SPROUTS FARMERS MARKET #203 (Continued) **S122354484**

TSDF Telephone: Not reported

Federal:
Year: 2020
EM Manifest ID: 881595
Generator EPA ID: CAL000423979
Shipment Date: 2019-09-03
Manifest Number: 013676457FLE
Line Number: 1
Method Code: H141
Quantity Tons: 0.00150
Quantity Waste: 3.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: Fiber or plastic boxes, cartons, cases
Quantity Type: Pounds
Federal Code: D001

State:
Year: 2020
EM Manifest ID: 881595
Generator EPA ID: CAL000423979
Shipment Date: 2019-09-03
Manifest Number: 013676457FLE
Line Number: 1
Method Code: H141
Quantity Tons: 0.00150
Quantity Waste: 3.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: Fiber or plastic boxes, cartons, cases
Quantity Type: Pounds
State Code: 331

Year: 2020
EM Manifest ID: 881595
Generator EPA ID: CAL000423979
Shipment Date: 2019-09-03
Manifest Number: 013676457FLE
Line Number: 2
Method Code: H141
Quantity Tons: 0.01100
Quantity Waste: 22.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: Fiber or plastic boxes, cartons, cases
Quantity Type: Pounds
State Code: 352

Year: 2020
EM Manifest ID: 881595
Generator EPA ID: CAL000423979
Shipment Date: 2019-09-03
Manifest Number: 013676457FLE
Line Number: 3
Method Code: H141
Quantity Tons: 0.01150

SPROUTS FARMERS MARKET #203 (Continued) **S122354484**

Quantity Waste:	23.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
State Code:	331

Year:	2020
EM Manifest ID:	97836853-afa3-488c-a924-9ecd63f6b867
Shipment Date:	8/3/2020
Receipt Date:	8/11/2020
Manifest Number:	013992139FLE
Generator EPA ID:	CAL000423979
Name:	SPROUTS
Address:	149 SOUTH LAS POSAS ROAD
Address 2:	Not reported
City:	SAN MARCOS
Zip:	92078
Telephone:	877-577-2669
Contact:	Not reported
Contact Telephone:	323-776-6233
Transporter 1 EPA ID:	MNS000110924
Transporter 1 Emergency Number:	Not reported
Transporter 2 EPA ID:	MNS000110924
Transporter 2 Emergency Number:	Not reported
TSDF EPA ID:	CAD008364432
TSDF Name:	Rho Chem LLC
TSDF Address 1:	425 Isis Ave.
TSDF Address 2:	Not reported
TSDF City:	Inglewood
TSDF Zip:	90301
TSDF Telephone:	Not reported

State:

Year:	2020
EM Manifest ID:	97836853-afa3-488c-a924-9ecd63f6b867
Generator EPA ID:	CAL000423979
Shipment Date:	2020-08-03
Manifest Number:	013992139FLE
Line Number:	1
Method Code:	H141
Quantity Tons:	0.06300
Quantity Waste:	126.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Pounds
State Code:	352

Detail Two:

Year:	2019
EM Manifest ID:	fa87e43f-1cc1-4260-b047-5337f92ac328
Shipment Date:	3/11/2019
Receipt Date:	3/22/2019
Manifest Number:	013125617FLE

SPROUTS FARMERS MARKET #203 (Continued) **S122354484**

Generator EPA ID:	CAL000423979
Name:	SPROUTS
Address:	149 SOUTH LAS POSAS ROAD
Address 2:	Not reported
City:	SAN MARCOS
Zip:	92078
Telephone:	877-577-2669
Contact:	Not reported
Contact Telephone:	323-776-6233
Transporter 1 EPA ID:	MNS000110924
Transporter 1 Emergency Number:	Not reported
Transporter 2 EPA ID:	MNS000110924
Transporter 2 Emergency Number:	Not reported
TSDF EPA ID:	CAD008364432
TSDF Name:	Rho Chem LLC
TSDF Address 1:	425 Isis Ave.
TSDF Address 2:	Not reported
TSDF City:	Inglewood
TSDF Zip:	90301
TSDF Telephone:	Not reported

State:

Year:	2019
EM Manifest ID:	fa87e43f-1cc1-4260-b047-5337f92ac328
Generator EPA ID:	CAL000423979
Shipment Date:	2019-03-11
Manifest Number:	013125617FLE
Line Number:	1
Method Code:	H141
Quantity Tons:	0.05550
Quantity Waste:	111.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Pounds
State Code:	331

Year:	2019
EM Manifest ID:	420266
Shipment Date:	3/11/2019
Receipt Date:	3/26/2019
Manifest Number:	013125618FLE
Generator EPA ID:	CAL000423979
Name:	SPROUTS
Address:	149 SOUTH LAS POSAS ROAD
Address 2:	Not reported
City:	SAN MARCOS
Zip:	92078
Telephone:	877-577-2669
Contact:	Not reported
Contact Telephone:	775-575-2760
Transporter 1 EPA ID:	MNS000110924
Transporter 1 Emergency Number:	Not reported
Transporter 2 EPA ID:	MNS000110924
Transporter 2 Emergency Number:	Not reported
TSDF EPA ID:	NVD980895338
TSDF Name:	21st Century Environmental Management of Nevada, LLC

SPROUTS FARMERS MARKET #203 (Continued) **S122354484**

TSDF Address 1: 2095 Newlands Drive East
TSDF Address 2: Not reported
TSDF City: Fernley
TSDF Zip: 89408
TSDF Telephone: Not reported

Federal:
Year: 2019
EM Manifest ID: 420266
Generator EPA ID: CAL000423979
Shipment Date: 2019-03-11
Manifest Number: 013125618FLE
Line Number: 1
Method Code: H141
Quantity Tons: 0.00350
Quantity Waste: 7.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: Fiber or plastic boxes, cartons, cases
Quantity Type: Pounds
Federal Code: D001

State:
Year: 2019
EM Manifest ID: 420266
Generator EPA ID: CAL000423979
Shipment Date: 2019-03-11
Manifest Number: 013125618FLE
Line Number: 1
Method Code: H141
Quantity Tons: 0.00350
Quantity Waste: 7.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: Fiber or plastic boxes, cartons, cases
Quantity Type: Pounds
State Code: 331

Detail Two:
Year: 2018
EM Manifest ID: 009202974FLE20170710_D_1
Shipment Date: 7/10/2017
Receipt Date: 7/18/2017
Manifest Number: 009202974FLE
Generator EPA ID: CAL000423979
Name: SPROUTS #203
Address: Not reported
Address 2: Not reported
City: Not reported
Zip: Not reported
Telephone: Not reported
Contact: Not reported
Contact Telephone: Not reported
Transporter 1 EPA ID: MNS000110924
Transporter 1 Emergency Number: Not reported
Transporter 2 EPA ID: NED986382133

SPROUTS FARMERS MARKET #203 (Continued) **S122354484**

Transporter 2 Emergency Number: Not reported
TSDF EPA ID: CAD008364432
TSDF Name: RHO CHEM LLC
TSDF Address 1: Not reported
TSDF Address 2: Not reported
TSDF City: Not reported
TSDF Zip: Not reported
TSDF Telephone: Not reported

Federal:
Year: 2018
EM Manifest ID: 009202974FLE20170710_D_1
Generator EPA ID: CAL000423979
Shipment Date: 2017-07-10
Manifest Number: 009202974FLE
Line Number: 1
Method Code: H141
Quantity Tons: 0.00050
Quantity Waste: 1.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: NULL
Quantity Type: NULL
Federal Code: D001

Year: 2018
EM Manifest ID: 009202974FLE20170710_D_1
Generator EPA ID: CAL000423979
Shipment Date: 2017-07-10
Manifest Number: 009202974FLE
Line Number: 2
Method Code: H141
Quantity Tons: 0.00050
Quantity Waste: 1.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: NULL
Quantity Type: NULL
Federal Code: D001

State:
Year: 2018
EM Manifest ID: 009202974FLE20170710_D_1
Generator EPA ID: CAL000423979
Shipment Date: 2017-07-10
Manifest Number: 009202974FLE
Line Number: 1
Method Code: H141
Quantity Tons: 0.00050
Quantity Waste: 1.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: NULL
Quantity Type: NULL
State Code: 331

Year: 2018

SPROUTS FARMERS MARKET #203 (Continued) **S122354484**

EM Manifest ID:	009202974FLE20170710_D_1
Generator EPA ID:	CAL000423979
Shipment Date:	2017-07-10
Manifest Number:	009202974FLE
Line Number:	2
Method Code:	H141
Quantity Tons:	0.00050
Quantity Waste:	1.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
State Code:	214

Year:	2018
EM Manifest ID:	009202974FLE20170710_D_1
Generator EPA ID:	CAL000423979
Shipment Date:	2017-07-10
Manifest Number:	009202974FLE
Line Number:	3
Method Code:	H141
Quantity Tons:	0.01650
Quantity Waste:	33.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
State Code:	331

Year:	2018
EM Manifest ID:	009202974FLE20170710_D_1
Generator EPA ID:	CAL000423979
Shipment Date:	2017-07-10
Manifest Number:	009202974FLE
Line Number:	4
Method Code:	H141
Quantity Tons:	0.02550
Quantity Waste:	51.000000
Quantity Unit:	P
Number of Containers:	3
Type of Container:	NULL
Quantity Type:	NULL
State Code:	352

Year:	2018
EM Manifest ID:	010759322FLE20180424_D_1
Shipment Date:	4/24/2018
Receipt Date:	6/6/2018
Manifest Number:	010759322FLE
Generator EPA ID:	CAL000423979
Name:	SPROUTS #203
Address:	Not reported
Address 2:	Not reported
City:	Not reported
Zip:	Not reported
Telephone:	Not reported

SPROUTS FARMERS MARKET #203 (Continued) **S122354484**

Contact:	Not reported
Contact Telephone:	Not reported
Transporter 1 EPA ID:	MNS000110924
Transporter 1 Emergency Number:	Not reported
Transporter 2 EPA ID:	NED986382133
Transporter 2 Emergency Number:	Not reported
TSDF EPA ID:	NVD980895338
TSDF Name:	21ST CENTURY EMN LLC
TSDF Address 1:	Not reported
TSDF Address 2:	Not reported
TSDF City:	Not reported
TSDF Zip:	Not reported
TSDF Telephone:	Not reported

Federal:

Year:	2018
EM Manifest ID:	010759322FLE20180424_D_1
Generator EPA ID:	CAL000423979
Shipment Date:	2018-04-24
Manifest Number:	010759322FLE
Line Number:	1
Method Code:	H070
Quantity Tons:	0.00250
Quantity Waste:	5.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
Federal Code:	D001

State:

Year:	2018
EM Manifest ID:	010759322FLE20180424_D_1
Generator EPA ID:	CAL000423979
Shipment Date:	2018-04-24
Manifest Number:	010759322FLE
Line Number:	1
Method Code:	H070
Quantity Tons:	0.00250
Quantity Waste:	5.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
State Code:	141

Year:	2018
EM Manifest ID:	010759321FLE20180424_D_1
Shipment Date:	4/24/2018
Receipt Date:	5/7/2018
Manifest Number:	010759321FLE
Generator EPA ID:	CAL000423979
Name:	SPROUTS #203
Address:	Not reported
Address 2:	Not reported
City:	Not reported

SPROUTS FARMERS MARKET #203 (Continued) **S122354484**

Zip:	Not reported
Telephone:	Not reported
Contact:	Not reported
Contact Telephone:	Not reported
Transporter 1 EPA ID:	MNS000110924
Transporter 1 Emergency Number:	Not reported
Transporter 2 EPA ID:	CAR000217554
Transporter 2 Emergency Number:	Not reported
TSDF EPA ID:	CAD008364432
TSDF Name:	RHO CHEM LLC
TSDF Address 1:	Not reported
TSDF Address 2:	Not reported
TSDF City:	Not reported
TSDF Zip:	Not reported
TSDF Telephone:	Not reported

Federal:

Year:	2018
EM Manifest ID:	010759321FLE20180424_D_1
Generator EPA ID:	CAL000423979
Shipment Date:	2018-04-24
Manifest Number:	010759321FLE
Line Number:	1
Method Code:	H141
Quantity Tons:	0.02350
Quantity Waste:	47.000000
Quantity Unit:	P
Number of Containers:	2
Type of Container:	NULL
Quantity Type:	NULL
Federal Code:	D002

State:

Year:	2018
EM Manifest ID:	010759321FLE20180424_D_1
Generator EPA ID:	CAL000423979
Shipment Date:	2018-04-24
Manifest Number:	010759321FLE
Line Number:	1
Method Code:	H141
Quantity Tons:	0.02350
Quantity Waste:	47.000000
Quantity Unit:	P
Number of Containers:	2
Type of Container:	NULL
Quantity Type:	NULL
State Code:	122

Year:	2018
EM Manifest ID:	010759321FLE20180424_D_1
Generator EPA ID:	CAL000423979
Shipment Date:	2018-04-24
Manifest Number:	010759321FLE
Line Number:	2
Method Code:	H141
Quantity Tons:	0.04850
Quantity Waste:	97.000000

SPROUTS FARMERS MARKET #203 (Continued) **S122354484**

Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
State Code:	352

Year:	2018
EM Manifest ID:	010759321FLE20180424_D_1
Generator EPA ID:	CAL000423979
Shipment Date:	2018-04-24
Manifest Number:	010759321FLE
Line Number:	3
Method Code:	H141
Quantity Tons:	0.01700
Quantity Waste:	34.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
State Code:	331

Year:	2018
EM Manifest ID:	193220
Shipment Date:	10/22/2018
Receipt Date:	11/20/2018
Manifest Number:	012076945FLE
Generator EPA ID:	CAL000423979
Name:	SPROUTS
Address:	149 SOUTH LAS POSAS ROAD
Address 2:	Not reported
City:	SAN MARCOS
Zip:	92078
Telephone:	877-577-2669
Contact:	Not reported
Contact Telephone:	775-575-2760
Transporter 1 EPA ID:	MNS000110924
Transporter 1 Emergency Number:	Not reported
Transporter 2 EPA ID:	MNS000110924
Transporter 2 Emergency Number:	Not reported
TSDF EPA ID:	NVD980895338
TSDF Name:	21st Century Environmental Management of Nevada, LLC
TSDF Address 1:	2095 Newlands Drive East
TSDF Address 2:	Not reported
TSDF City:	Fernley
TSDF Zip:	89408
TSDF Telephone:	Not reported

Federal:

Year:	2018
EM Manifest ID:	193220
Generator EPA ID:	CAL000423979
Shipment Date:	2018-10-22
Manifest Number:	012076945FLE
Line Number:	1
Method Code:	H141
Quantity Tons:	0.00050
Quantity Waste:	1.000000

SPROUTS FARMERS MARKET #203 (Continued) **S122354484**

Quantity Unit: P
Number of Containers: 1
Type of Container: Fiber or plastic boxes, cartons, cases
Quantity Type: Pounds
Federal Code: D001

Year: 2018
EM Manifest ID: 193220
Generator EPA ID: CAL000423979
Shipment Date: 2018-10-22
Manifest Number: 012076945FLE
Line Number: 2
Method Code: H141
Quantity Tons: 0.00100
Quantity Waste: 2.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: Fiber or plastic boxes, cartons, cases
Quantity Type: Pounds
Federal Code: D001

State:
Year: 2018
EM Manifest ID: 193220
Generator EPA ID: CAL000423979
Shipment Date: 2018-10-22
Manifest Number: 012076945FLE
Line Number: 1
Method Code: H141
Quantity Tons: 0.00050
Quantity Waste: 1.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: Fiber or plastic boxes, cartons, cases
Quantity Type: Pounds
State Code: 331

Year: 2018
EM Manifest ID: 193220
Generator EPA ID: CAL000423979
Shipment Date: 2018-10-22
Manifest Number: 012076945FLE
Line Number: 2
Method Code: H141
Quantity Tons: 0.00100
Quantity Waste: 2.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: Fiber or plastic boxes, cartons, cases
Quantity Type: Pounds
State Code: 141

Year: 2018
EM Manifest ID: 141667
Shipment Date: 10/22/2018
Receipt Date: 11/1/2018

SPROUTS FARMERS MARKET #203 (Continued) **S122354484**

Manifest Number:	012076944FLE
Generator EPA ID:	CAL000423979
Name:	SPROUTS
Address:	149 SOUTH LAS POSAS ROAD
Address 2:	Not reported
City:	SAN MARCOS
Zip:	92078
Telephone:	877-577-2669
Contact:	Not reported
Contact Telephone:	323-776-6233
Transporter 1 EPA ID:	MNS000110924
Transporter 1 Emergency Number:	Not reported
Transporter 2 EPA ID:	MNS000110924
Transporter 2 Emergency Number:	Not reported
TSDF EPA ID:	CAD008364432
TSDF Name:	Rho Chem LLC
TSDF Address 1:	425 Isis Ave.
TSDF Address 2:	Not reported
TSDF City:	Inglewood
TSDF Zip:	90301
TSDF Telephone:	Not reported

State:

Year:	2018
EM Manifest ID:	141667
Generator EPA ID:	CAL000423979
Shipment Date:	2018-10-22
Manifest Number:	012076944FLE
Line Number:	1
Method Code:	H141
Quantity Tons:	0.00350
Quantity Waste:	7.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
State Code:	331

Year:	2018
EM Manifest ID:	141667
Generator EPA ID:	CAL000423979
Shipment Date:	2018-10-22
Manifest Number:	012076944FLE
Line Number:	2
Method Code:	H141
Quantity Tons:	0.01300
Quantity Waste:	26.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
State Code:	352

Additional Info:

Year:	2017
Gen EPA ID:	CAL000423979

SPROUTS FARMERS MARKET #203 (Continued) **S122354484**

Shipment Date:	20170710
Creation Date:	5/17/2018 18:32:00
Receipt Date:	20170718
Manifest ID:	009202974FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	NED986382133
Trans 2 Name:	S S T
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	D001
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0005
Waste Quantity:	1
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20170710
Creation Date:	5/17/2018 18:32:00
Receipt Date:	20170718
Manifest ID:	009202974FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	NED986382133
Trans 2 Name:	S S T
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0255
Waste Quantity:	51
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20170710
Creation Date:	5/17/2018 18:32:00
Receipt Date:	20170718
Manifest ID:	009202974FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	NED986382133

SPROUTS FARMERS MARKET #203 (Continued) **S122354484**

Trans 2 Name:	S S T
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0165
Waste Quantity:	33
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20170710
Creation Date:	5/17/2018 18:32:00
Receipt Date:	20170718
Manifest ID:	009202974FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	NED986382133
Trans 2 Name:	S S T
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	214 - Unspecified solvent mixture
RCRA Code:	D001
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0005
Waste Quantity:	1
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

CERS:

Name:	SPROUTS FARMERS MARKET #203
Address:	149 SOUTH LAS POSAS ROAD
City,State,Zip:	SAN MARCOS, CA 92078
Site ID:	417667
CERS ID:	10724146
CERS Description:	Chemical Storage Facilities

Violations:

Site ID:	417667
Site Name:	Sprouts Farmers Market #203
Violation Date:	11-25-2019
Citation:	HSC 6.95 25507 - California Health and Safety Code, Chapter 6.95, Section(s) 25507

SPROUTS FARMERS MARKET #203 (Continued) **S122354484**

Violation Description: Failure to adequately establish and implement a business plan when storing/handling a hazardous material at or above reportable quantities.
Violation Notes: Returned to compliance on 12/27/2019. Inspection Sequence ID:6191430
Violation Division: San Diego County Department of Env Health
Violation Program: HMRRP
Violation Source: CERS,

Site ID: 417667
Site Name: Sprouts Farmers Market #203
Violation Date: 11-25-2019
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description: Failure to complete and electronically submit hazardous material inventory information for all reportable hazardous materials on site at or above reportable quantities.
Violation Notes: Returned to compliance on 12/27/2019. Inspection Sequence ID:6191430
Violation Division: San Diego County Department of Env Health
Violation Program: HMRRP
Violation Source: CERS,

Site ID: 417667
Site Name: Sprouts Farmers Market #203
Violation Date: 06-26-2017
Citation: HSC 6.5 Multiple - California Health and Safety Code, Chapter 6.5, Section(s) Multiple
Violation Description: Hazardous Waste Generator Program - Operations/Maintenance - General
Violation Notes: Returned to compliance on 07/10/2017. Inspection Sequence ID:5658298;Violation:HMD0226 Did not accumulate waste in a container or tank. (40 CFR 262.34(d)(2).) 22 CCR 66262.34(d)(2)
Violation Division: San Diego County Department of Env Health
Violation Program: HW
Violation Source: CERS,

Evaluation:
Eval General Type: Compliance Evaluation Inspection
Eval Date: 11-25-2019
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Inspector: Valdez Kevin Inspection ID:6191430
Eval Division: San Diego County Department of Env Health
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 11-25-2019
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Inspector: Valdez Kevin Inspection ID:6191430
Eval Division: San Diego County Department of Env Health
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 06-26-2017
Violations Found: Yes
Eval Type: Routine done by local agency

SPROUTS FARMERS MARKET #203 (Continued) **S122354484**

Eval Notes: Inspector: Vue Cher Inspection ID:5658298
Eval Division: San Diego County Department of Env Health
Eval Program: HW
Eval Source: CERS,

Affiliation:
Affiliation Type Desc: CUPA District
Entity Name: San Diego County Env Health Qlty
Entity Title: Not reported
Affiliation Address: PO Box 129261
Affiliation City: San Diego
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 92112-9261
Affiliation Phone: (858) 505-6880,

Affiliation Type Desc: Operator
Entity Name: Sprouts Farmers Market #203
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: (760) 208-6041,

Affiliation Type Desc: Facility Mailing Address
Entity Name: Mailing Address
Entity Title: Not reported
Affiliation Address: 5455 East High Street, Suite 111
Affiliation City: Phoenix
Affiliation State: AZ
Affiliation Country: Not reported
Affiliation Zip: 85054
Affiliation Phone: ,

Affiliation Type Desc: Document Preparer
Entity Name: Shaneen Beebe
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Affiliation Type Desc: Environmental Contact
Entity Name: Luis A. Torres
Entity Title: Not reported
Affiliation Address: 5455 East High Street, Suite 111
Affiliation City: Phoenix
Affiliation State: AZ
Affiliation Country: Not reported
Affiliation Zip: 85054
Affiliation Phone: ,

Affiliation Type Desc: Legal Owner

SPROUTS FARMERS MARKET #203 (Continued) **S122354484**

Entity Name:	SF Markets, LLC.
Entity Title:	Not reported
Affiliation Address:	5455 East High Street, Suite 111
Affiliation City:	Phoenix
Affiliation State:	AZ
Affiliation Country:	United States
Affiliation Zip:	85054
Affiliation Phone:	(480) 814-8016,
Affiliation Type Desc:	Parent Corporation
Entity Name:	Sprouts Farmers Market
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,
Affiliation Type Desc:	Property Owner
Entity Name:	SF Markets, LLC.
Entity Title:	Not reported
Affiliation Address:	5455 East High Street, Suite 111
Affiliation City:	Phoenix
Affiliation State:	AZ
Affiliation Country:	United States
Affiliation Zip:	85054
Affiliation Phone:	(480) 814-8016,
Affiliation Type Desc:	Identification Signer
Entity Name:	Shaneen Beebe for Noe Amezquita
Entity Title:	Environmental Consultant for Store Manager
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,

HWTS:

Name:	SPROUTS FARMERS MARKET #203
Address:	149 S LAS POSAS RD
Address 2:	Not reported
City,State,Zip:	SAN MARCOS, CA 92078
EPA ID:	CAL000423979
Inactive Date:	Not reported
Create Date:	01/09/2017
Last Act Date:	Not reported
Mailing Name:	Not reported
Mailing Address:	5455 E. HIGH STREET
Mailing Address 2:	Not reported
Mailing City,State,Zip:	PHOENIX, AZ 850545453
Owner Name:	SF MARKETS LLC
Owner Address:	5455 E. HIGH STREET
Owner Address 2:	Not reported
Owner City,State,Zip:	PHOENIX, AZ 850545453

SPROUTS FARMERS MARKET #203 (Continued) **S122354484**

Contact Name:	LUIS TORRES
Contact Address:	5455 E. HIGH STREET
Contact Address 2:	Not reported
City,State,Zip:	PHOENIX, AZ 85054
Facility Status:	Active
Facility Type:	PERMANENT
Category:	STATE
Latitude:	33.14237326
Longitude:	-117.1918721

NAICS:

EPA ID:	CAL000423979
Create Date:	2017-01-09 08:52:59.287
NAICS Code:	45291
NAICS Description:	Warehouse Clubs and Superstores
Issued EPA ID Date:	2017-01-09 08:52:59.25000
Inactive Date:	Not reported
Facility Name:	SPROUTS FARMERS MARKET #203
Facility Address:	149 S LAS POSAS RD
Facility Address 2:	Not reported
Facility City:	SAN MARCOS
Facility County:	Not reported
Facility State:	CA
Facility Zip:	92078

V133 **PETCOACH #4501** **RCRA NonGen / NLR** **1024839938**
WNW **141 S LAS POSAS RD** **CAL000388242**
1/8-1/4 **SAN MARCOS, CA 92078**
0.230 mi.
1215 ft. **Site 4 of 6 in cluster V**

Relative: **Lower**

Actual: **543 ft.**

RCRA Listings:

Date Form Received by Agency:		20130805
Handler Name:	PETCOACH #4501	
Handler Address:		141 S LAS POSAS RD
Handler City,State,Zip:		SAN MARCOS, CA 92078
EPA ID:		CAL000388242
Contact Name:		AMY EBERSOLE-MARTINEZ
Contact Address:		654 RICHLAND HILLS
Contact City,State,Zip:		SAN ANTONIO, TX 78245-0000
Contact Telephone:		858-761-5359
Contact Fax:		858-882-8686
Contact Email:		SAFETY@PETCO.COM
Contact Title:		Not reported
EPA Region:		09
Land Type:		Not reported
Federal Waste Generator Description:		Not a generator, verified
Non-Notifier:		Not reported
Biennial Report Cycle:		Not reported
Accessibility:		Not reported
Active Site Indicator:		Handler Activities
State District Owner:		Not reported
State District:		Not reported
Mailing Address:		654 RICHLAND HILLS
Mailing City,State,Zip:		SAN ANTONIO, TX 78245
Owner Name:	PETCO ANIMALS SUPPLIES INC	
Owner Type:		Other

PETCOACH #4501 (Continued) **1024839938**

Operator Name:	AMY EBERSOLE-MARTINEZ
Operator Type:	Other
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	Yes
Universal Waste Destination Facility:	Yes
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20180906
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

PETCOACH #4501 (Continued) **1024839938**

Handler - Owner Operator:
Owner/Operator Indicator: Operator
Owner/Operator Name: AMY EBERSOLE-MARTINEZ
Legal Status: Other
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: 654 RICHLAND HILLS
Owner/Operator City,State,Zip: SAN ANTONIO, TX 78245-0000
Owner/Operator Telephone: 858-761-5359
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner
Owner/Operator Name: PETCO ANIMALS SUPPLIES INC
Legal Status: Other
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: 654 RICHLAND HILLS
Owner/Operator City,State,Zip: SAN ANTONIO, TX 78245
Owner/Operator Telephone: 858-201-9217
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:
Receive Date: 20130805
Handler Name: PETCOACH #4501
Federal Waste Generator Description: Not a generator, verified
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Code: 42299
NAICS Description: OTHER MISCELLANEOUS NONDURABLE GOODS WHOLESALERS

NAICS Code: 54189
NAICS Description: OTHER SERVICES RELATED TO ADVERTISING

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

V134 **PETCO STORE #1154** **San Diego Co. HMMD** **S118233794**
WNW **141 S LAS POSAS RD** **CERS HAZ WASTE** **N/A**
1/8-1/4 **SAN MARCOS, CA 92078** **HAZNET**
0.230 mi. **CERS**
1215 ft. **Site 5 of 6 in cluster V** **HWTS**

Relative:
Lower

Actual:
543 ft.

HMMD SAN DIEGO:

Name:	PETCOACH #4501
Address:	141 S LAS POSAS RD
City,State,Zip:	SAN MARCOS, CA 92078
Permit Number:	Not reported
Business Type:	Not reported
EPA Id Number:	CAL000388242
APN:	Not reported
Last HMMD Inspection:	Not reported
Facility Telephone:	760-471-1501
Permit Status:	Permit Renewed
Permit Expiration:	Not reported
Date Last Updated:	08/17/2021
Facility Owner:	Not reported
Facility Mailing Address:	654 Richland Hills Drive, San Antonio , TX 78245
Facility Mailing City:	Not reported
Facility Mailing State:	Not reported
Facility Mailing Zip:	Not reported
UST Owner:	N
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Y
Treat Haz Waste:	N
Generate Medical Waste:	Not reported

Inspection Violation:

Record ID:	DEH2014-HUPFP-000788
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-000788
Program Element:	Hazardous Waste Generator
Inspection Type:	Routine
Inspection Number:	6070451
Return To Compliance Date:	2018-11-02T00:00:00.000
Nov:	No
Violation Classification:	Minor
Underground Storage Tank Id:	Not reported
Container/Tank Id:	Not reported
Last Update:	2021-08-17T00:00:00.000
Inspection Date:	2018-10-12T16:57:00.000
Violation Code:	3010010 Failed to maintain copies of Uniform Hazardous Waste Manifest, consolidated manifest, or Bills of Lading for 3 years. HSC 25160.2(b)(3), 25185(a)(4); 22 CCR 66262.40(a), 66262.23(a)(3)

Record ID:	DEH2014-HUPFP-000788
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-000788
Program Element:	Medical Waste
Inspection Type:	Routine
Inspection Number:	6070451
Return To Compliance Date:	2018-11-05T00:00:00.000
Nov:	No

PETCO STORE #1154 (Continued) **S118233794**

Violation Classification: Minor
Underground Storage Tank Id: Not reported
Container/Tank Id: Not reported
Last Update: 2021-08-17T00:00:00.000
Inspection Date: 2018-10-12T16:57:00.000
Violation Code: HMD4205 Medical SOLID WASTE not secured to deny access to unauthorized persons. SDCC 68.1211

Waste and Materials:

Record ID: DEH2014-HUPFP-000788
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HWAST-0158084
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2021-08-17T02:35:34.000
Chemical Name: Waste Aerosols
Common Name: Waste Aerosols
Case Number: Not reported

Record ID: DEH2014-HUPFP-000788
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HWAST-0158085
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2021-08-17T02:35:34.000
Chemical Name: Waste Flammable Liquids
Common Name: Waste Flammable Liquids
Case Number: Not reported

Record ID: DEH2014-HUPFP-000788
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HWAST-0158086
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2021-08-17T02:35:34.000
Chemical Name: Waste Oxidizers, Liquids
Common Name: Waste Oxidizers, Liquids
Case Number: Not reported

Record ID: DEH2014-HUPFP-000788
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HWAST-0158087
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2021-08-17T02:35:34.000
Chemical Name: Waste Toxics/Non-RCRA Hazardous Waste, Liquids
Common Name: Waste Soaps, Detergents, Cleaners, Misc. Veterinary Items, Liquids
Case Number: Not reported

Record ID: DEH2014-HUPFP-000788
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HWAST-0158090

PETCO STORE #1154 (Continued) **S118233794**

Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2021-08-17T02:35:34.000
Chemical Name: Infectious Waste, Sharps
Common Name: Infectious Waste, Sharps
Case Number: Not reported

Record ID: DEH2014-HUPFP-000788
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HWAST-0104501
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2017-10-23T21:46:41.000
Chemical Name: Waste Aerosols
Common Name: Waste Aerosols
Case Number: Not reported

Record ID: DEH2014-HUPFP-000788
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HWAST-0104502
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2017-10-23T21:46:41.000
Chemical Name: Waste Flammable Liquids
Common Name: Waste Flammable Liquids
Case Number: Not reported

Record ID: DEH2014-HUPFP-000788
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HWAST-0104503
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2017-10-23T21:46:41.000
Chemical Name: Waste Corrosives, Liquids: Acidic
Common Name: Waste Corrosive Liquids: Acidic
Case Number: Not reported

Record ID: DEH2014-HUPFP-000788
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HWAST-0104504
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2017-10-23T21:46:41.000
Chemical Name: Waste Corrosives, Liquids; Alkaline
Common Name: Waste Corrosive Liquids: Alkaline
Case Number: Not reported

Record ID: DEH2014-HUPFP-000788
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HWAST-0104505
Trade Secret: N
Hazardous Material Type: Not reported

PETCO STORE #1154 (Continued) **S118233794**

Last Updated: 2017-10-23T21:46:41.000
Chemical Name: Waste Oxidizers, Liquids
Common Name: Waste Oxidizers, Liquids
Case Number: Not reported

Record ID: DEH2014-HUPFP-000788
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HWAST-0104506
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2017-10-23T21:46:41.000
Chemical Name: Waste Toxics/Non-RCRA Hazardous Waste, Liquids
Common Name: Waste Soaps, Detergents, Cleaners, Misc. Veterinary Items, Liquids
Case Number: Not reported

Record ID: DEH2014-HUPFP-000788
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HWAST-0104507
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2017-10-23T21:46:41.000
Chemical Name: Waste Toxics/Non-RCRA Hazardous Waste, Solids
Common Name: Waste Soaps, Detergents, Cleaners, Misc. Veterinary Items, Solids
Case Number: Not reported

Record ID: DEH2014-HUPFP-000788
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HWAST-0104508
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2017-10-23T21:46:41.000
Chemical Name: Waste Pharmaceuticals
Common Name: Waste Pharmaceuticals
Case Number: Not reported

Record ID: DEH2014-HUPFP-000788
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HWAST-0104509
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2017-10-23T21:46:41.000
Chemical Name: Infectious Waste, Sharps
Common Name: Sharps
Case Number: Not reported

Record ID: DEH2014-HUPFP-000788
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HWAST-0141158
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2018-01-13T01:16:52.000
Chemical Name: Waste Aerosols

PETCO STORE #1154 (Continued) **S118233794**

Common Name: Waste Aerosols
Case Number: Not reported

Record ID: DEH2014-HUPFP-000788
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HWAST-0141159
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2018-01-13T01:16:52.000
Chemical Name: Waste Flammable Liquids
Common Name: Waste Flammable Liquids
Case Number: Not reported

Record ID: DEH2014-HUPFP-000788
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HWAST-0141160
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2018-01-13T01:16:52.000
Chemical Name: Waste Corrosives, Liquids: Acidic
Common Name: Waste Corrosive Liquids: Acidic
Case Number: Not reported

Record ID: DEH2014-HUPFP-000788
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HWAST-0141161
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2018-01-13T01:16:52.000
Chemical Name: Waste Corrosives, Liquids; Alkaline
Common Name: Waste Corrosive Liquids: Alkaline
Case Number: Not reported

Record ID: DEH2014-HUPFP-000788
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HWAST-0141162
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2018-01-13T01:16:52.000
Chemical Name: Waste Oxidizers, Liquids
Common Name: Waste Oxidizers, Liquids
Case Number: Not reported

Record ID: DEH2014-HUPFP-000788
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HWAST-0141163
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2018-01-13T01:16:52.000
Chemical Name: Waste Toxics/Non-RCRA Hazardous Waste, Liquids
Common Name: Waste Soaps, Detergents, Cleaners, Misc. Veterinary Items, Liquids
Case Number: Not reported

PETCO STORE #1154 (Continued) **S118233794**

Record ID:	DEH2014-HUPFP-000788
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2018-HWAST-0141164
Trade Secret:	N
Hazardous Material Type:	Not reported
Last Updated:	2018-01-13T01:16:52.000
Chemical Name:	Waste Toxics/Non-RCRA Hazardous Waste, Solids
Common Name:	Waste Soaps, Detergents, Cleaners, Misc. Veterinary Items, Solids
Case Number:	Not reported

Record ID:	DEH2014-HUPFP-000788
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2018-HWAST-0141165
Trade Secret:	N
Hazardous Material Type:	Not reported
Last Updated:	2018-01-13T01:16:52.000
Chemical Name:	Waste Pharmaceuticals
Common Name:	Waste Pharmaceuticals
Case Number:	Not reported

Record ID:	DEH2014-HUPFP-000788
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2018-HWAST-0141166
Trade Secret:	N
Hazardous Material Type:	Not reported
Last Updated:	2018-01-13T01:16:52.000
Chemical Name:	Infectious Waste, Sharps
Common Name:	Sharps
Case Number:	Not reported

Record ID:	DEH2014-HUPFP-000788
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2018-HWAST-0158088
Trade Secret:	N
Hazardous Material Type:	Not reported
Last Updated:	2021-08-17T02:35:34.000
Chemical Name:	Waste Toxics/Non-RCRA Hazardous Waste, Solids
Common Name:	Waste Soaps, Detergents, Cleaners, Misc. Veterinary Items, Solids
Case Number:	Not reported

Record ID:	DEH2014-HUPFP-000788
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2018-HWAST-0158089
Trade Secret:	N
Hazardous Material Type:	Not reported
Last Updated:	2021-08-17T02:35:34.000
Chemical Name:	Waste Pharmaceuticals
Common Name:	Waste Pharmaceuticals
Case Number:	Not reported

Record ID:	DEH2014-HUPFP-000788
Permit Status:	Permit Renewed

PETCO STORE #1154 (Continued) **S118233794**

Active Permit: Y
Child Record Id: DEH2018-HWAST-0158091
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2021-08-17T02:35:34.000
Chemical Name: BioHazardous Medical Waste
Common Name: BioHazardous Waste
Case Number: Not reported

CERS HAZ WASTE:
Name: PETCOACH #4501
Address: 141 S LAS POSAS RD
City,State,Zip: SAN MARCOS, CA 92078
Site ID: 56424
CERS ID: 10460815
CERS Description: Hazardous Waste Generator

HAZNET:
Name: PETCOACH #4501
Address: 141 S LAS POSAS RD
Address 2: Not reported
City,State,Zip: SAN MARCOS, CA 92078
Contact: AMY EBERSOLE-MARTINEZ
Telephone: 8587615359
Mailing Name: Not reported
Mailing Address: 654 RICHLAND HILLS

Year: 2021
Gepaid: CAL000388242
TSD EPA ID: CAD008364432
CA Waste Code: 331 - Off-specification, aged or surplus organics
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.045

Year: 2020
Gepaid: CAL000388242
TSD EPA ID: AZR000515924
CA Waste Code: 352 - Other organic solids
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.003

Year: 2020
Gepaid: CAL000388242
TSD EPA ID: CAD008364432
CA Waste Code: 352 - Other organic solids
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.0035

Year: 2020
Gepaid: CAL000388242
TSD EPA ID: CAD008364432
CA Waste Code: 331 - Off-specification, aged or surplus organics

PETCO STORE #1154 (Continued) **S118233794**

Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.0085
Year:	2020
Gepaid:	CAL000388242
TSD EPA ID:	CAD008364432
CA Waste Code:	181 - Other inorganic solid waste
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.0005
Year:	2020
Gepaid:	CAL000388242
TSD EPA ID:	AZR000515924
CA Waste Code:	331 - Off-specification, aged or surplus organics
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.0095
Year:	2019
Gepaid:	CAL000388242
TSD EPA ID:	NVD980895338
CA Waste Code:	331 - Off-specification, aged or surplus organics
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.00100
Year:	2019
Gepaid:	CAL000388242
TSD EPA ID:	AZR000515924
CA Waste Code:	352 - Other organic solids
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.00300
Year:	2019
Gepaid:	CAL000388242
TSD EPA ID:	CAD008364432
CA Waste Code:	331 - Off-specification, aged or surplus organics
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.00200
Year:	2019
Gepaid:	CAL000388242
TSD EPA ID:	AZR000515924
CA Waste Code:	331 - Off-specification, aged or surplus organics
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.05850

Click this hyperlink while viewing on your computer to access
18 additional CA HAZNET: record(s) in the EDR Site Report.

PETCO STORE #1154 (Continued) **S118233794**

Detail Two:

Year:	2020
EM Manifest ID:	b3b49eef-c039-4425-a351-3f25023763d8
Shipment Date:	3/31/2020
Receipt Date:	4/8/2020
Manifest Number:	013054916FLE
Generator EPA ID:	CAL000388242
Name:	PETCOACH #4501
Address:	141 S LAS POSAS RD
Address 2:	Not reported
City:	SAN MARCOS
Zip:	92078
Telephone:	877-577-2669
Contact:	Not reported
Contact Telephone:	760-471-1501
Transporter 1 EPA ID:	MNS000110924
Transporter 1 Emergency Number:	Not reported
Transporter 2 EPA ID:	CAR000175422
Transporter 2 Emergency Number:	Not reported
TSDF EPA ID:	AZR000515924
TSDF Name:	YUMA YES WASTE TRANSFER FACILITY
TSDF Address 1:	2730 E 13TH ST
TSDF Address 2:	Not reported
TSDF City:	YUMA
TSDF Zip:	85365-1901
TSDF Telephone:	Not reported

State:

Year:	2020
EM Manifest ID:	b3b49eef-c039-4425-a351-3f25023763d8
Generator EPA ID:	CAL000388242
Shipment Date:	2020-03-31
Manifest Number:	013054916FLE
Line Number:	1
Method Code:	H141
Quantity Tons:	0.00300
Quantity Waste:	6.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
State Code:	352

Year:	2020
EM Manifest ID:	b3b49eef-c039-4425-a351-3f25023763d8
Generator EPA ID:	CAL000388242
Shipment Date:	2020-03-31
Manifest Number:	013054916FLE
Line Number:	2
Method Code:	H141
Quantity Tons:	0.00950
Quantity Waste:	19.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
State Code:	331

PETCO STORE #1154 (Continued) **S118233794**

Year:	2020
EM Manifest ID:	915548
Shipment Date:	11/5/2019
Receipt Date:	11/14/2019
Manifest Number:	013994180FLE
Generator EPA ID:	CAL000388242
Name:	PETCOACH
Address:	141 SO. LAS POSAS RD
Address 2:	Not reported
City:	SAN MARCOS
Zip:	92078
Telephone:	877-577-2669
Contact:	Not reported
Contact Telephone:	323-776-6233
Transporter 1 EPA ID:	MNS000110924
Transporter 1 Emergency Number:	Not reported
Transporter 2 EPA ID:	MNS000110924
Transporter 2 Emergency Number:	Not reported
TSDF EPA ID:	CAD008364432
TSDF Name:	Rho Chem LLC
TSDF Address 1:	425 Isis Ave.
TSDF Address 2:	Not reported
TSDF City:	Inglewood
TSDF Zip:	90301
TSDF Telephone:	Not reported

Federal:

Year:	2020
EM Manifest ID:	915548
Generator EPA ID:	CAL000388242
Shipment Date:	2019-11-05
Manifest Number:	013994180FLE
Line Number:	1
Method Code:	H141
Quantity Tons:	0.00200
Quantity Waste:	4.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
Federal Code:	D001

Year:	2020
EM Manifest ID:	915548
Generator EPA ID:	CAL000388242
Shipment Date:	2019-11-05
Manifest Number:	013994180FLE
Line Number:	1
Method Code:	H141
Quantity Tons:	0.00200
Quantity Waste:	4.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
Federal Code:	D005

Year:	2020

PETCO STORE #1154 (Continued) **S118233794**

EM Manifest ID: 915548
Generator EPA ID: CAL000388242
Shipment Date: 2019-11-05
Manifest Number: 013994180FLE
Line Number: 1
Method Code: H141
Quantity Tons: 0.00200
Quantity Waste: 4.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: Fiber or plastic boxes, cartons, cases
Quantity Type: Pounds
Federal Code: D007

Year: 2020
EM Manifest ID: 915548
Generator EPA ID: CAL000388242
Shipment Date: 2019-11-05
Manifest Number: 013994180FLE
Line Number: 1
Method Code: H141
Quantity Tons: 0.00200
Quantity Waste: 4.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: Fiber or plastic boxes, cartons, cases
Quantity Type: Pounds
Federal Code: D035

State:
Year: 2020
EM Manifest ID: 915548
Generator EPA ID: CAL000388242
Shipment Date: 2019-11-05
Manifest Number: 013994180FLE
Line Number: 1
Method Code: H141
Quantity Tons: 0.00200
Quantity Waste: 4.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: Fiber or plastic boxes, cartons, cases
Quantity Type: Pounds
State Code: 331

Detail Two:
Year: 2019
EM Manifest ID: 439481
Shipment Date: 6/25/2019
Receipt Date: 7/9/2019
Manifest Number: 013042520FLE
Generator EPA ID: CAL000388242
Name: PETCOACH
Address: 141 SO. LAS POSAS RD
Address 2: Not reported

PETCO STORE #1154 (Continued) **S118233794**

City:	SAN MARCOS
Zip:	92078
Telephone:	877-577-2669
Contact:	Not reported
Contact Telephone:	775-575-2760
Transporter 1 EPA ID:	MNS000110924
Transporter 1 Emergency Number:	Not reported
Transporter 2 EPA ID:	MNS000110924
Transporter 2 Emergency Number:	Not reported
TSDF EPA ID:	NVD980895338
TSDF Name:	21st Century Environmental Management of Nevada, LLC
TSDF Address 1:	2095 Newlands Drive East
TSDF Address 2:	Not reported
TSDF City:	Fernley
TSDF Zip:	89408
TSDF Telephone:	Not reported

Federal:

Year:	2019
EM Manifest ID:	439481
Generator EPA ID:	CAL000388242
Shipment Date:	2019-06-25
Manifest Number:	013042520FLE
Line Number:	1
Method Code:	H141
Quantity Tons:	0.00100
Quantity Waste:	2.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
Federal Code:	D001

Year:	2019
EM Manifest ID:	439481
Generator EPA ID:	CAL000388242
Shipment Date:	2019-06-25
Manifest Number:	013042520FLE
Line Number:	1
Method Code:	H141
Quantity Tons:	0.00100
Quantity Waste:	2.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
Federal Code:	D005

Year:	2019
EM Manifest ID:	439481
Generator EPA ID:	CAL000388242
Shipment Date:	2019-06-25
Manifest Number:	013042520FLE
Line Number:	1
Method Code:	H141
Quantity Tons:	0.00100
Quantity Waste:	2.000000
Quantity Unit:	P

PETCO STORE #1154 (Continued) **S118233794**

Number of Containers:	1
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
Federal Code:	D007

Year:	2019
EM Manifest ID:	439481
Generator EPA ID:	CAL000388242
Shipment Date:	2019-06-25
Manifest Number:	013042520FLE
Line Number:	1
Method Code:	H141
Quantity Tons:	0.00100
Quantity Waste:	2.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
Federal Code:	D035

State:

Year:	2019
EM Manifest ID:	439481
Generator EPA ID:	CAL000388242
Shipment Date:	2019-06-25
Manifest Number:	013042520FLE
Line Number:	1
Method Code:	H141
Quantity Tons:	0.00100
Quantity Waste:	2.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
State Code:	331

Year:	2019
EM Manifest ID:	468813
Shipment Date:	6/25/2019
Receipt Date:	7/10/2019
Manifest Number:	013042521FLE
Generator EPA ID:	CAL000388242
Name:	PETCOACH #4501
Address:	141 S LAS POSAS RD
Address 2:	Not reported
City:	SAN MARCOS
Zip:	92078
Telephone:	877-577-2669
Contact:	Not reported
Contact Telephone:	760-471-1501
Transporter 1 EPA ID:	MNS000110924
Transporter 1 Emergency Number:	Not reported
Transporter 2 EPA ID:	CAR000175422
Transporter 2 Emergency Number:	Not reported
TSDF EPA ID:	AZR000515924
TSDF Name:	YUMA YES WASTE TRANSFER FACILITY

PETCO STORE #1154 (Continued) **S118233794**

TSDF Address 1: 2730 E 13TH ST
TSDF Address 2: Not reported
TSDF City: YUMA
TSDF Zip: 85365-1901
TSDF Telephone: Not reported

State:
Year: 2019
EM Manifest ID: 468813
Generator EPA ID: CAL000388242
Shipment Date: 2019-06-25
Manifest Number: 013042521FLE
Line Number: 1
Method Code: H141
Quantity Tons: 0.03300
Quantity Waste: 66.000000
Quantity Unit: P
Number of Containers: 2
Type of Container: Fiber or plastic boxes, cartons, cases
Quantity Type: Pounds
State Code: 331

Year: 2019
EM Manifest ID: 227924
Shipment Date: 12/3/2018
Receipt Date: 1/4/2019
Manifest Number: 012493367FLE
Generator EPA ID: CAL000388242
Name: PETCOACH
Address: 141 SO. LAS POSAS RD
Address 2: Not reported
City: SAN MARCOS
Zip: 92078
Telephone: 877-577-2669
Contact: Not reported
Contact Telephone: 775-575-2760
Transporter 1 EPA ID: MNS000110924
Transporter 1 Emergency Number: Not reported
Transporter 2 EPA ID: MNS000110924
Transporter 2 Emergency Number: Not reported
TSDF EPA ID: NVD980895338
TSDF Name: 21st Century Environmental Management of Nevada, LLC
TSDF Address 1: 2095 Newlands Drive East
TSDF Address 2: Not reported
TSDF City: Fernley
TSDF Zip: 89408
TSDF Telephone: Not reported

State:
Year: 2019
EM Manifest ID: 227924
Generator EPA ID: CAL000388242
Shipment Date: 2018-12-03
Manifest Number: 012493367FLE
Line Number: 1
Method Code: H141
Quantity Tons: 0.14450

PETCO STORE #1154 (Continued) **S118233794**

Quantity Waste:	289.000000
Quantity Unit:	P
Number of Containers:	2
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Pounds
State Code:	291

Year:	2019
EM Manifest ID:	734174
Shipment Date:	11/5/2019
Receipt Date:	11/13/2019
Manifest Number:	013994181FLE
Generator EPA ID:	CAL000388242
Name:	PETCOACH #4501
Address:	141 SO. LAS POSAS RD
Address 2:	Not reported
City:	SAN MARCOS
Zip:	92078
Telephone:	877-577-2669
Contact:	Not reported
Contact Telephone:	760-471-1501
Transporter 1 EPA ID:	MNS000110924
Transporter 1 Emergency Number:	Not reported
Transporter 2 EPA ID:	CAR000175422
Transporter 2 Emergency Number:	Not reported
TSDF EPA ID:	AZR000515924
TSDF Name:	YUMA YES WASTE TRANSFER FACILITY
TSDF Address 1:	2730 E 13TH ST
TSDF Address 2:	Not reported
TSDF City:	YUMA
TSDF Zip:	85365-1901
TSDF Telephone:	Not reported

State:

Year:	2019
EM Manifest ID:	734174
Generator EPA ID:	CAL000388242
Shipment Date:	2019-11-05
Manifest Number:	013994181FLE
Line Number:	1
Method Code:	H141
Quantity Tons:	0.02550
Quantity Waste:	51.000000
Quantity Unit:	P
Number of Containers:	3
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
State Code:	331

Year:	2019
EM Manifest ID:	734174
Generator EPA ID:	CAL000388242
Shipment Date:	2019-11-05
Manifest Number:	013994181FLE
Line Number:	2
Method Code:	H141
Quantity Tons:	0.00300

PETCO STORE #1154 (Continued) **S118233794**

Quantity Waste:	6.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
State Code:	352

Detail Two:

Year:	2018
EM Manifest ID:	010144552FLE20170603_D_1
Shipment Date:	6/3/2017
Receipt Date:	6/7/2017
Manifest Number:	010144552FLE
Generator EPA ID:	CAL000388242
Name:	PETCO #1154
Address:	Not reported
Address 2:	Not reported
City:	Not reported
Zip:	Not reported
Telephone:	Not reported
Contact:	Not reported
Contact Telephone:	Not reported
Transporter 1 EPA ID:	MNS000110924
Transporter 1 Emergency Number:	Not reported
Transporter 2 EPA ID:	CAR000217000
Transporter 2 Emergency Number:	Not reported
TSDF EPA ID:	CAD008364432
TSDF Name:	RHO CHEM LLC
TSDF Address 1:	Not reported
TSDF Address 2:	Not reported
TSDF City:	Not reported
TSDF Zip:	Not reported
TSDF Telephone:	Not reported

Federal:

Year:	2018
EM Manifest ID:	010144552FLE20170603_D_1
Generator EPA ID:	CAL000388242
Shipment Date:	2017-06-03
Manifest Number:	010144552FLE
Line Number:	2
Method Code:	H141
Quantity Tons:	0.00150
Quantity Waste:	3.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
Federal Code:	D001

Year:	2018
EM Manifest ID:	010144552FLE20170603_D_1
Generator EPA ID:	CAL000388242
Shipment Date:	2017-06-03
Manifest Number:	010144552FLE
Line Number:	2

PETCO STORE #1154 (Continued) **S118233794**

Method Code: H141
Quantity Tons: 0.00150
Quantity Waste: 3.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: NULL
Quantity Type: NULL
Federal Code: D005

Year: 2018
EM Manifest ID: 010144552FLE20170603_D_1
Generator EPA ID: CAL000388242
Shipment Date: 2017-06-03
Manifest Number: 010144552FLE
Line Number: 2
Method Code: H141
Quantity Tons: 0.00150
Quantity Waste: 3.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: NULL
Quantity Type: NULL
Federal Code: D007

Year: 2018
EM Manifest ID: 010144552FLE20170603_D_1
Generator EPA ID: CAL000388242
Shipment Date: 2017-06-03
Manifest Number: 010144552FLE
Line Number: 2
Method Code: H141
Quantity Tons: 0.00150
Quantity Waste: 3.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: NULL
Quantity Type: NULL
Federal Code: D035

Year: 2018
EM Manifest ID: 010144552FLE20170603_D_1
Generator EPA ID: CAL000388242
Shipment Date: 2017-06-03
Manifest Number: 010144552FLE
Line Number: 3
Method Code: H141
Quantity Tons: 0.00250
Quantity Waste: 5.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: NULL
Quantity Type: NULL
Federal Code: D009

State:
Year: 2018
EM Manifest ID: 010144552FLE20170603_D_1

PETCO STORE #1154 (Continued) **S118233794**

Generator EPA ID:	CAL000388242
Shipment Date:	2017-06-03
Manifest Number:	010144552FLE
Line Number:	1
Method Code:	H141
Quantity Tons:	0.02500
Quantity Waste:	50.000000
Quantity Unit:	P
Number of Containers:	2
Type of Container:	NULL
Quantity Type:	NULL
State Code:	331

Year:	2018
EM Manifest ID:	010144552FLE20170603_D_1
Generator EPA ID:	CAL000388242
Shipment Date:	2017-06-03
Manifest Number:	010144552FLE
Line Number:	2
Method Code:	H141
Quantity Tons:	0.00150
Quantity Waste:	3.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
State Code:	331

Year:	2018
EM Manifest ID:	010144552FLE20170603_D_1
Generator EPA ID:	CAL000388242
Shipment Date:	2017-06-03
Manifest Number:	010144552FLE
Line Number:	3
Method Code:	H141
Quantity Tons:	0.00250
Quantity Waste:	5.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
State Code:	181

Year:	2018
EM Manifest ID:	011408021FLE20180314_D_1
Shipment Date:	3/14/2018
Receipt Date:	4/2/2018
Manifest Number:	011408021FLE
Generator EPA ID:	CAL000388242
Name:	PETCO #1154
Address:	Not reported
Address 2:	Not reported
City:	Not reported
Zip:	Not reported
Telephone:	Not reported
Contact:	Not reported

PETCO STORE #1154 (Continued) **S118233794**

Contact Telephone: Not reported
Transporter 1 EPA ID: MNS000110924
Transporter 1 Emergency Number: Not reported
Transporter 2 EPA ID: CAR000175422
Transporter 2 Emergency Number: Not reported
TSDF EPA ID: AZR000515924
TSDF Name: YUMA YES LLC
TSDF Address 1: Not reported
TSDF Address 2: Not reported
TSDF City: Not reported
TSDF Zip: Not reported
TSDF Telephone: Not reported

State:
Year: 2018
EM Manifest ID: 011408021FLE20180314_D_1
Generator EPA ID: CAL000388242
Shipment Date: 2018-03-14
Manifest Number: 011408021FLE
Line Number: 1
Method Code: H141
Quantity Tons: 0.00950
Quantity Waste: 19.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: NULL
Quantity Type: NULL
State Code: 352

Year: 2018
EM Manifest ID: 011408019FLE20180314_D_1
Shipment Date: 3/14/2018
Receipt Date: 3/22/2018
Manifest Number: 011408019FLE
Generator EPA ID: CAL000388242
Name: PETCO #1154
Address: Not reported
Address 2: Not reported
City: Not reported
Zip: Not reported
Telephone: Not reported
Contact: Not reported
Contact Telephone: Not reported
Transporter 1 EPA ID: MNS000110924
Transporter 1 Emergency Number: Not reported
Transporter 2 EPA ID: CAR000217554
Transporter 2 Emergency Number: Not reported
TSDF EPA ID: CAD008364432
TSDF Name: RHO CHEM LLC
TSDF Address 1: Not reported
TSDF Address 2: Not reported
TSDF City: Not reported
TSDF Zip: Not reported
TSDF Telephone: Not reported

Federal:
Year: 2018

PETCO STORE #1154 (Continued) **S118233794**

EM Manifest ID:	011408019FLE20180314_D_1
Generator EPA ID:	CAL000388242
Shipment Date:	2018-03-14
Manifest Number:	011408019FLE
Line Number:	1
Method Code:	H141
Quantity Tons:	0.33900
Quantity Waste:	678.000000
Quantity Unit:	P
Number of Containers:	4
Type of Container:	NULL
Quantity Type:	NULL
Federal Code:	D002

State:

Year:	2018
EM Manifest ID:	011408019FLE20180314_D_1
Generator EPA ID:	CAL000388242
Shipment Date:	2018-03-14
Manifest Number:	011408019FLE
Line Number:	1
Method Code:	H141
Quantity Tons:	0.33900
Quantity Waste:	678.000000
Quantity Unit:	P
Number of Containers:	4
Type of Container:	NULL
Quantity Type:	NULL
State Code:	122

Additional Info:

Year:	2017
Gen EPA ID:	CAL000388242
Shipment Date:	20171121
Creation Date:	6/28/2018 18:30:22
Receipt Date:	20171130
Manifest ID:	010675896FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	D035
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.002
Waste Quantity:	4
Quantity Unit:	P
Additional Code 1:	D007
Additional Code 2:	D005

PETCO STORE #1154 (Continued) **S118233794**

Additional Code 3:	D001
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20171121
Creation Date:	6/28/2018 18:30:22
Receipt Date:	20171130
Manifest ID:	010675896FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	D013
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0565
Waste Quantity:	113
Quantity Unit:	P
Additional Code 1:	D010
Additional Code 2:	D009
Additional Code 3:	D007
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20170603
Creation Date:	7/10/2018 18:30:19
Receipt Date:	20170607
Manifest ID:	010144552FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	CAR000217000
Trans 2 Name:	LA CHIQUITA TRUCKING
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	D035
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0015
Waste Quantity:	3
Quantity Unit:	P
Additional Code 1:	D007
Additional Code 2:	D005
Additional Code 3:	D001
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20170603
Creation Date:	7/10/2018 18:30:19
Receipt Date:	20170607

PETCO STORE #1154 (Continued) **S118233794**

Manifest ID:	010144552FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	CAR000217000
Trans 2 Name:	LA CHIQUITA TRUCKING
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	D009
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0025
Waste Quantity:	5
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20170603
Creation Date:	7/10/2018 18:30:19
Receipt Date:	20170607
Manifest ID:	010144552FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	CAR000217000
Trans 2 Name:	LA CHIQUITA TRUCKING
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.025
Waste Quantity:	50
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2016
Gen EPA ID:	CAL000388242

Shipment Date:	20150720
Creation Date:	9/25/2015 22:15:23
Receipt Date:	20150727
Manifest ID:	007342949FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC

PETCO STORE #1154 (Continued) **S118233794**

Trans 2 EPA ID:	CAD983649880
Trans 2 Name:	PSC ENVIRONMENTAL SERVICES LP
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	122 - Alkaline solution without metals (pH > 12.5
RCRA Code:	D002
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.008
Waste Quantity:	16
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20150720
Creation Date:	9/25/2015 22:15:23
Receipt Date:	20150727
Manifest ID:	007342949FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	CAD983649880
Trans 2 Name:	PSC ENVIRONMENTAL SERVICES LP
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	- Not reported
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0045
Waste Quantity:	9
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20150720
Creation Date:	9/25/2015 22:15:23
Receipt Date:	20150727
Manifest ID:	007342949FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	CAD983649880
Trans 2 Name:	PSC ENVIRONMENTAL SERVICES LP
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	- Not reported

PETCO STORE #1154 (Continued) **S118233794**

RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.006
Waste Quantity:	12
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20150720
Creation Date:	9/25/2015 22:15:23
Receipt Date:	20150727
Manifest ID:	007342949FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	CAD983649880
Trans 2 Name:	PSC ENVIRONMENTAL SERVICES LP
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.021
Waste Quantity:	42
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20150204
Creation Date:	4/16/2015 22:14:42
Receipt Date:	20150210
Manifest ID:	000943176PSC
Trans EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
Trans 2 EPA ID:	CAD983649880
Trans 2 Name:	PSC ENVIRONMENTAL SERVICES OF POMONA LP
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0055
Waste Quantity:	11
Quantity Unit:	P
Additional Code 1:	Not reported

PETCO STORE #1154 (Continued) **S118233794**

Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2015
Gen EPA ID:	CAL000388242
Shipment Date:	20150720
Creation Date:	9/25/2015 22:15:23
Receipt Date:	20150727
Manifest ID:	007342949FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	CAD983649880
Trans 2 Name:	PSC ENVIRONMENTAL SERVICES LP
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	- Not reported
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0045
Waste Quantity:	9
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20150720
Creation Date:	9/25/2015 22:15:23
Receipt Date:	20150727
Manifest ID:	007342949FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	CAD983649880
Trans 2 Name:	PSC ENVIRONMENTAL SERVICES LP
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	122 - Alkaline solution without metals (pH > 12.5
RCRA Code:	D002
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.008
Waste Quantity:	16
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported

PETCO STORE #1154 (Continued) **S118233794**

Additional Code 5:	Not reported
Shipment Date:	20150720
Creation Date:	9/25/2015 22:15:23
Receipt Date:	20150727
Manifest ID:	007342949FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	CAD983649880
Trans 2 Name:	PSC ENVIRONMENTAL SERVICES LP
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.021
Waste Quantity:	42
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20150720
Creation Date:	9/25/2015 22:15:23
Receipt Date:	20150727
Manifest ID:	007342949FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	CAD983649880
Trans 2 Name:	PSC ENVIRONMENTAL SERVICES LP
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	- Not reported
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.006
Waste Quantity:	12
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20150204
Creation Date:	4/16/2015 22:14:42
Receipt Date:	20150210
Manifest ID:	000943176PSC
Trans EPA ID:	CAD008364432

PETCO STORE #1154 (Continued) **S118233794**

Trans Name:	RHO CHEM LLC
Trans 2 EPA ID:	CAD983649880
Trans 2 Name:	PSC ENVIRONMENTAL SERVICES OF POMONA LP
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0055
Waste Quantity:	11
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2014
Gen EPA ID:	CAL000388242
Shipment Date:	20140820
Creation Date:	12/6/2014 22:15:07
Receipt Date:	20140826
Manifest ID:	000831665PSC
Trans EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
Trans 2 EPA ID:	CAD983649880
Trans 2 Name:	PSC ENVIRONMENTAL SERVICES OF POMONA LP
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	D035
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.002
Waste Quantity:	4
Quantity Unit:	P
Additional Code 1:	D007
Additional Code 2:	D005
Additional Code 3:	D001
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20140820
Creation Date:	12/6/2014 22:15:07
Receipt Date:	20140826
Manifest ID:	000831665PSC
Trans EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
Trans 2 EPA ID:	CAD983649880
Trans 2 Name:	PSC ENVIRONMENTAL SERVICES OF POMONA LP

PETCO STORE #1154 (Continued) **S118233794**

TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	- Not reported
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0005
Waste Quantity:	1
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20140820
Creation Date:	12/6/2014 22:15:07
Receipt Date:	20140826
Manifest ID:	000831665PSC
Trans EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
Trans 2 EPA ID:	CAD983649880
Trans 2 Name:	PSC ENVIRONMENTAL SERVICES OF POMONA LP
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	- Not reported
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.003
Waste Quantity:	6
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20140820
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	000831665PSC
Trans EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
Trans 2 EPA ID:	CAD983649880
Trans 2 Name:	PSC ENVIRONMENTAL SERVICES OF POMONA LP
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No

PETCO STORE #1154 (Continued) **S118233794**

	Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.013
Waste Quantity:	26
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20140820
Creation Date:	12/6/2014 22:15:07
Receipt Date:	20140826
Manifest ID:	000831665PSC
Trans EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
Trans 2 EPA ID:	CAD983649880
Trans 2 Name:	PSC ENVIRONMENTAL SERVICES OF POMONA LP
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	D009
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0005
Waste Quantity:	1
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20140304
Creation Date:	5/24/2014 22:15:06
Receipt Date:	20140312
Manifest ID:	000711751PSC
Trans EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
Trans 2 EPA ID:	CAD983649880
Trans 2 Name:	PSC ENVIRONMENTAL SERVICES OF POMONA LP
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	- Not reported
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0025
Waste Quantity:	5
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported

PETCO STORE #1154 (Continued) **S118233794**

Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20140304
Creation Date:	5/24/2014 22:15:06
Receipt Date:	20140312
Manifest ID:	000711751PSC
Trans EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
Trans 2 EPA ID:	CAD983649880
Trans 2 Name:	PSC ENVIRONMENTAL SERVICES OF POMONA LP
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	232 - Pesticides and other waste associated with pesticide production
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0125
Waste Quantity:	25
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

CERS:

Name:	PETCOACH #4501
Address:	141 S LAS POSAS RD
City,State,Zip:	SAN MARCOS, CA 92078
Site ID:	56424
CERS ID:	10460815
CERS Description:	Chemical Storage Facilities

Violations:

Site ID:	56424
Site Name:	PetCoach #4501
Violation Date:	10-12-2018
Citation:	22 CCR 12 66262.40(a) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.40(a)
Violation Description:	Failure to keep a copy of each properly signed manifest for at least three years from the date the waste was accepted by the initial transporter. The manifest signed at the time the waste was accepted for transport shall be kept until receiving a signed copy from the designated facility which received the waste.
Violation Notes:	Returned to compliance on 11/02/2018. Inspection Sequence ID:6070451
Violation Division:	San Diego County Department of Env Health
Violation Program:	HW
Violation Source:	CERS,

Evaluation:

Eval General Type:	Other/Unknown
Eval Date:	11-25-2014
Violations Found:	No
Eval Type:	Other, not routine, done by local agency

PETCO STORE #1154 (Continued) **S118233794**

Eval Notes:	Inspector: Beacon Ellen Inspection ID:5052540
Eval Division:	San Diego County Department of Env Health
Eval Program:	HW
Eval Source:	CERS,
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	10-12-2018
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Inspector: Kieu Bridget Inspection ID:6070451
Eval Division:	San Diego County Department of Env Health
Eval Program:	HW
Eval Source:	CERS,
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	10-29-2019
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Inspector: Shaker Mirna Inspection ID:6260169
Eval Division:	San Diego County Department of Env Health
Eval Program:	HW
Eval Source:	CERS,
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	11-25-2014
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Inspector: Marquez Marie Inspection ID:5176271
Eval Division:	San Diego County Department of Env Health
Eval Program:	HW
Eval Source:	CERS,
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	12-21-2016
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Inspector: Zmily Zanalee Inspection ID:5556004
Eval Division:	San Diego County Department of Env Health
Eval Program:	HW
Eval Source:	CERS,

Coordinates:

Site ID:	56424
Facility Name:	PetCoach #4501
Env Int Type Code:	HWG
Program ID:	10460815
Coord Name:	Not reported
Ref Point Type Desc:	Center of a facility or station.,
Latitude:	33.142320
Longitude:	-117.191910

Affiliation:

Affiliation Type Desc:	Document Preparer
Entity Name:	Daniel Landeros
Entity Title:	Not reported
Affiliation Address:	Not reported

PETCO STORE #1154 (Continued) **S118233794**

Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,
Affiliation Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	Not reported
Affiliation Address:	654 Richland Hills Drive
Affiliation City:	San Antonio
Affiliation State:	TX
Affiliation Country:	Not reported
Affiliation Zip:	78245
Affiliation Phone:	,
Affiliation Type Desc:	CUPA District
Entity Name:	San Diego County Env Health Qlty
Entity Title:	Not reported
Affiliation Address:	PO Box 129261
Affiliation City:	San Diego
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92112-9261
Affiliation Phone:	(858) 505-6880,
Affiliation Type Desc:	Environmental Contact
Entity Name:	Amy Ebersole-Martinez, Safety and Environmental Manager
Entity Title:	Not reported
Affiliation Address:	654 Richland Hills Drive
Affiliation City:	San Antonio
Affiliation State:	TX
Affiliation Country:	Not reported
Affiliation Zip:	78245
Affiliation Phone:	,
Affiliation Type Desc:	Legal Owner
Entity Name:	Petco Animal Supplies, Inc.
Entity Title:	Not reported
Affiliation Address:	654 Richland Hills Drive
Affiliation City:	San Antonio
Affiliation State:	TX
Affiliation Country:	United States
Affiliation Zip:	78245
Affiliation Phone:	(210) 201-9217,
Affiliation Type Desc:	Operator
Entity Name:	PetCoach #4501
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	(210) 201-9217,
Affiliation Type Desc:	Parent Corporation

PETCO STORE #1154 (Continued) **S118233794**

Entity Name:	Petco Animal Supplies, Inc.
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,
Affiliation Type Desc:	Identification Signer
Entity Name:	Amy Ebersole-Martinez
Entity Title:	Safety and Environmental Manager
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,

HWTS:

Name:	PETCOACH #4501
Address:	141 S LAS POSAS RD
Address 2:	Not reported
City,State,Zip:	SAN MARCOS, CA 92078
EPA ID:	CAL000388242
Inactive Date:	Not reported
Create Date:	08/05/2013
Last Act Date:	Not reported
Mailing Name:	Not reported
Mailing Address:	654 RICHLAND HILLS
Mailing Address 2:	Not reported
Mailing City,State,Zip:	SAN ANTONIO, TX 78245
Owner Name:	PETCO ANIMALS SUPPLIES INC
Owner Address:	654 RICHLAND HILLS
Owner Address 2:	Not reported
Owner City,State,Zip:	SAN ANTONIO, TX 78245
Contact Name:	AMY EBERSOLE-MARTINEZ
Contact Address:	654 RICHLAND HILLS
Contact Address 2:	Not reported
City,State,Zip:	SAN ANTONIO, TX 782450000
Facility Status:	Active
Facility Type:	PERMANENT
Category:	STATE
Latitude:	33.142333
Longitude:	-117.191887

NAICS:

EPA ID:	CAL000388242
Create Date:	2013-08-05 15:29:28.510
NAICS Code:	42299
NAICS Description:	Other Miscellaneous Nondurable Goods Wholesalers
Issued EPA ID Date:	2013-08-05 13:44:54.80000
Inactive Date:	Not reported
Facility Name:	PETCOACH #4501
Facility Address:	141 S LAS POSAS RD
Facility Address 2:	Not reported

PETCO STORE #1154 (Continued) **S118233794**

Facility City:	SAN MARCOS
Facility County:	Not reported
Facility State:	CA
Facility Zip:	92078
EPA ID:	CAL000388242
Create Date:	2013-08-05 13:44:54.800
NAICS Code:	54189
NAICS Description:	Other Services Related to Advertising
Issued EPA ID Date:	2013-08-05 13:44:54.80000
Inactive Date:	Not reported
Facility Name:	PETCOACH #4501
Facility Address:	141 S LAS POSAS RD
Facility Address 2:	Not reported
Facility City:	SAN MARCOS
Facility County:	Not reported
Facility State:	CA
Facility Zip:	92078

V135 **LAS POSAS DENTAL PRACTICE AND ORTHODONTICS** **RCRA NonGen / NLR** **1024861631**
WNW **145 S LAS POSAS RD STE 162** **CAL000430116**
1/8-1/4 **SAN MARCOS, CA 92078**
0.230 mi.
1215 ft. **Site 6 of 6 in cluster V**

Relative: RCRA Listings:
Higher

Actual: Date Form Received by Agency:	20170817
544 ft. Handler Name:	LAS POSAS DENTAL PRACTICE AND ORTHODONTICS
Handler Address:	145 S LAS POSAS RD STE 162
Handler City,State,Zip:	SAN MARCOS, CA 92078-0000
EPA ID:	CAL000430116
Contact Name:	CLAUDIA GUERRERO
Contact Address:	145 S LAS POSAS RD STE 162
Contact City,State,Zip:	SAN MARCOS, CA 92078-0000
Contact Telephone:	760-736-4247
Contact Fax:	760-736-8261
Contact Email:	AGNEWJ@PACDEN.COM
Contact Title:	Not reported
EPA Region:	09
Land Type:	Not reported
Federal Waste Generator Description:	Not a generator, verified
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Handler Activities
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	17000 RED HILL AVE
Mailing City,State,Zip:	IRVINE, CA 92614
Owner Name:	TRAN AND NOSTI DENTAL CORPORATION
Owner Type:	Other
Operator Name:	CLAUDIA GUERRERO
Operator Type:	Other
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No

LAS POSAS DENTAL PRACTICE AND ORTHODONTICS (Continued) **1024861631**

Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	Yes
Universal Waste Destination Facility:	Yes
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20180907
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name:	TRAN AND NOSTI DENTAL CORPORATION
Legal Status:	Other

LAS POSAS DENTAL PRACTICE AND ORTHODONTICS (Continued) **1024861631**

Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	145 S LAS POSAS RD STE 162
Owner/Operator City,State,Zip:	SAN MARCOS, CA 92078-0000
Owner/Operator Telephone:	760-736-4247
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Operator
Owner/Operator Name: CLAUDIA GUERRERO	
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	145 S LAS POSAS RD STE 162
Owner/Operator City,State,Zip:	SAN MARCOS, CA 92078-0000
Owner/Operator Telephone:	760-736-4247
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	20170817
Handler Name:	LAS POSAS DENTAL PRACTICE AND ORTHODONTICS
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

List of NAICS Codes and Descriptions:

NAICS Code:	62121
NAICS Description:	OFFICES OF DENTISTS

Facility Has Received Notices of Violations:

Violations:	No Violations Found

Evaluation Action Summary:

Evaluations:	No Evaluations Found

W136 **PARTY CITY CORPORATION #661** **RCRA NonGen / NLR** **1024855371**
NW **157 S LAS POSAS RD** **CAL000417910**
1/8-1/4 **SAN MARCOS, CA 92078**
0.235 mi.
1243 ft. **Site 1 of 13 in cluster W**

Relative:
Higher

Actual:
549 ft.

RCRA Listings:

Date Form Received by Agency:		20160609
Handler Name:	PARTY CITY CORPORATION #661	
Handler Address:		157 S LAS POSAS RD
Handler City,State,Zip:		SAN MARCOS, CA 92078
EPA ID:		CAL000417910
Contact Name:		MARGARET CASTILLO
Contact Address:		25 GREEN POND RD STE 1
Contact City,State,Zip:		ROCKAWAY, NJ 07866
Contact Telephone:		973-453-8600
Contact Fax:		Not reported
Contact Email:		MCASTILLO@PARTYCITY.COM
Contact Title:		Not reported
EPA Region:		09
Land Type:		Not reported
Federal Waste Generator Description:		Not a generator, verified
Non-Notifier:		Not reported
Biennial Report Cycle:		Not reported
Accessibility:		Not reported
Active Site Indicator:		Handler Activities
State District Owner:		Not reported
State District:		Not reported
Mailing Address:		PO BOX 2513
Mailing City,State,Zip:		TRUCKEE, CA 96160-2513
Owner Name:	PARTY CITY CORPORATION	
Owner Type:		Other
Operator Name:	MARGARET CASTILLO	
Operator Type:		Other
Short-Term Generator Activity:		No
Importer Activity:		No
Mixed Waste Generator:		No
Transporter Activity:		No
Transfer Facility Activity:		No
Recycler Activity with Storage:		No
Small Quantity On-Site Burner Exemption:		No
Smelting Melting and Refining Furnace Exemption:		No
Underground Injection Control:		No
Off-Site Waste Receipt:		No
Universal Waste Indicator:		Yes
Universal Waste Destination Facility:		Yes
Federal Universal Waste:		No
Active Site Fed-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site Converter Treatment storage and Disposal Facility:		Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site State-Reg Handler:		---
Federal Facility Indicator:		Not reported
Hazardous Secondary Material Indicator:		N
Sub-Part K Indicator:		Not reported
Commercial TSD Indicator:		No
Treatment Storage and Disposal Type:		Not reported
2018 GPRA Permit Baseline:		Not on the Baseline
2018 GPRA Renewals Baseline:		Not on the Baseline
Permit Renewals Workload Universe:		Not reported

PARTY CITY CORPORATION #661 (Continued) **1024855371**

Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20180906
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name: PARTY CITY CORPORATION	
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	25 GREEN POND RD STE 1
Owner/Operator City,State,Zip:	ROCKAWAY, NJ 07866
Owner/Operator Telephone:	973-453-8600
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name: MARGARET CASTILLO	
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	25 GREEN POND RD STE 1
Owner/Operator City,State,Zip:	ROCKAWAY, NJ 07866
Owner/Operator Telephone:	973-453-8600
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

PARTY CITY CORPORATION #661 (Continued) **1024855371**

Historic Generators:
- Receive Date: 20160609
- Handler Name: PARTY CITY CORPORATION #661
- Federal Waste Generator Description: Not a generator, verified
- State District Owner: Not reported
- Large Quantity Handler of Universal Waste: No
- Recognized Trader Importer: No
- Recognized Trader Exporter: No
- Spent Lead Acid Battery Importer: No
- Spent Lead Acid Battery Exporter: No
- Current Record: Yes
- Non Storage Recycler Activity: Not reported
- Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
- NAICS Code: 45299
- NAICS Description: ALL OTHER GENERAL MERCHANDISE STORES

Facility Has Received Notices of Violations:
- Violations: No Violations Found

Evaluation Action Summary:
- Evaluations: No Evaluations Found

W137 **PARTY CITY #661 SAN MARCOS** **San Diego Co. HMMD** **S120714459**
NW **157 S LAS POSAS RD** **CERS HAZ WASTE** **N/A**
1/8-1/4 **SAN MARCOS, CA 92078** **HAZNET**
0.235 mi. **CERS**
1243 ft. **Site 2 of 13 in cluster W** **HWTS**

Relative: Higher

Actual: 549 ft.

HMMD SAN DIEGO:
- Name: PARTY CITY #661 SAN MARCOS
- Address: 157 S LAS POSAS RD
- City,State,Zip: SAN MARCOS, CA 92078
- Permit Number: Not reported
- Business Type: Not reported
- EPA Id Number: CAL000417910
- APN: Not reported
- Last HMMD Inspection: Not reported
- Facility Telephone: 760-621-5186
- Permit Status: Permit Renewed
- Permit Expiration: Not reported
- Date Last Updated: 05/25/2022
- Facility Owner: Not reported
- Facility Mailing Address: 25 Green Pond Road, Suite #1, Rockaway, NJ 07866
- Facility Mailing City: Not reported
- Facility Mailing State: Not reported
- Facility Mailing Zip: Not reported
- UST Owner: N
- Handle Regulated Hazmat: Not reported
- Own Or Operate UST: Not reported
- Subject To APSA: Not reported
- Generate Haz Waste: Y
- Treat Haz Waste: N
- Generate Medical Waste: Not reported

PARTY CITY #661 SAN MARCOS (Continued) **S120714459**

Inspection Violation:

Record ID:	DEH2016-HUPFP-002941
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-002941
Program Element:	Hazardous Materials Release Response Plans
Inspection Type:	Routine
Inspection Number:	5598764
Return To Compliance Date:	2017-01-04T00:00:00.000
Nov:	No
Violation Classification:	Minor
Underground Storage Tank Id:	Not reported
Container/Tank Id:	Not reported
Last Update:	2022-05-25T02:39:39.000
Inspection Date:	2016-11-01T14:51:00.000
Violation Code:	1010005 Site map not submitted in CERS or not sufficient. HSC 25505(a)(2) and 25508(a)(1)(A)

Waste and Materials:

Record ID:	DEH2016-HUPFP-002941
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2017-HCHEM-0163674
Trade Secret:	N
Hazardous Material Type:	Pure
Last Updated:	2017-12-15T01:07:02.000
Chemical Name:	Helium
Common Name:	Helium
Case Number:	7440-59-7

Record ID:	DEH2016-HUPFP-002941
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2017-HWAST-0139206
Trade Secret:	N
Hazardous Material Type:	Not reported
Last Updated:	2017-12-15T01:07:02.000
Chemical Name:	Not reported
Common Name:	Waste - California Regulated
Case Number:	Not reported

Record ID:	DEH2016-HUPFP-002941
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2017-HWAST-0139207
Trade Secret:	N
Hazardous Material Type:	Not reported
Last Updated:	2017-12-15T01:07:02.000
Chemical Name:	Not reported
Common Name:	Waste - California Regulated
Case Number:	Not reported

Record ID:	DEH2016-HUPFP-002941
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2017-HWAST-0139208

PARTY CITY #661 SAN MARCOS (Continued) **S120714459**

Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2017-12-15T01:07:02.000
Chemical Name: Not reported
Common Name: Waste - Flammable Gases
Case Number: Not reported

Record ID: DEH2016-HUPFP-002941
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HWAST-0139209
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2017-12-15T01:07:02.000
Chemical Name: Not reported
Common Name: Waste - Flammable Solids
Case Number: Not reported

Record ID: DEH2016-HUPFP-002941
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HWAST-0139210
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2017-12-15T01:07:02.000
Chemical Name: Not reported
Common Name: Waste - Flammable Liquids
Case Number: Not reported

Record ID: DEH2016-HUPFP-002941
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0170940
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2018-02-27T02:31:52.000
Chemical Name: Helium
Common Name: Helium
Case Number: 7440-59-7

Record ID: DEH2016-HUPFP-002941
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HWAST-0145003
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2018-02-27T02:31:52.000
Chemical Name: Not reported
Common Name: Waste - California Regulated
Case Number: Not reported

Record ID: DEH2016-HUPFP-002941
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HWAST-0145004
Trade Secret: N
Hazardous Material Type: Not reported

PARTY CITY #661 SAN MARCOS (Continued) **S120714459**

Last Updated: 2018-02-27T02:31:52.000
Chemical Name: Not reported
Common Name: Waste - California Regulated
Case Number: Not reported

Record ID: DEH2016-HUPFP-002941
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HWAST-0145005
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2018-02-27T02:31:52.000
Chemical Name: Not reported
Common Name: Waste - Flammable Gases
Case Number: Not reported

Record ID: DEH2016-HUPFP-002941
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HWAST-0145006
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2018-02-27T02:31:52.000
Chemical Name: Not reported
Common Name: Waste - Flammable Solids
Case Number: Not reported

Record ID: DEH2016-HUPFP-002941
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HWAST-0145007
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2018-02-27T02:31:52.000
Chemical Name: Not reported
Common Name: Waste - Flammable Liquids
Case Number: Not reported

Record ID: DEH2016-HUPFP-002941
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2022-HCHEM-0330636
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2022-05-25T02:39:42.000
Chemical Name: Helium
Common Name: Helium
Case Number: 7440-59-7

Record ID: DEH2016-HUPFP-002941
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2022-HWAST-0297266
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2022-05-25T02:39:42.000
Chemical Name: Not reported

PARTY CITY #661 SAN MARCOS (Continued) **S120714459**

Common Name: Waste - California Regulated - Solid
Case Number: Not reported

Record ID: DEH2016-HUPFP-002941
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2022-HWAST-0297267
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2022-05-25T02:39:42.000
Chemical Name: Not reported
Common Name: Waste - California Regulated - Liquid
Case Number: Not reported

Record ID: DEH2016-HUPFP-002941
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2022-HWAST-0297268
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2022-05-25T02:39:42.000
Chemical Name: Not reported
Common Name: Waste - Flammable Aerosols
Case Number: Not reported

Record ID: DEH2016-HUPFP-002941
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2022-HWAST-0297269
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2022-05-25T02:39:42.000
Chemical Name: Not reported
Common Name: Waste - Flammable Solids
Case Number: Not reported

Record ID: DEH2016-HUPFP-002941
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2022-HWAST-0297270
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2022-05-25T02:39:42.000
Chemical Name: Not reported
Common Name: Waste - Flammable Liquids
Case Number: Not reported

Record ID: DEH2016-HUPFP-002941
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2022-HWAST-0297271
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2022-05-25T02:39:42.000
Chemical Name: Not reported
Common Name: Waste - Corrosive Acid
Case Number: Not reported

PARTY CITY #661 SAN MARCOS (Continued) **S120714459**

Record ID: DEH2016-HUPFP-002941
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2022-HWAST-0297272
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2022-05-25T02:39:42.000
Chemical Name: Not reported
Common Name: Waste - Corrosive Base
Case Number: Not reported

Record ID: DEH2016-HUPFP-002941
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HCHEM-0126422
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2017-03-01T02:31:11.000
Chemical Name: Helium
Common Name: Helium
Case Number: 7440-59-7

Record ID: DEH2016-HUPFP-002941
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HWAST-0105310
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2017-03-01T02:31:11.000
Chemical Name: Not reported
Common Name: Waste - California Regulated
Case Number: Not reported

Record ID: DEH2016-HUPFP-002941
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HWAST-0105311
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2017-03-01T02:31:11.000
Chemical Name: Not reported
Common Name: Waste - California Regulated
Case Number: Not reported

Record ID: DEH2016-HUPFP-002941
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HWAST-0105312
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2017-03-01T02:31:11.000
Chemical Name: Not reported
Common Name: Waste - Flammable Gases
Case Number: Not reported

Record ID: DEH2016-HUPFP-002941
Permit Status: Permit Renewed

PARTY CITY #661 SAN MARCOS (Continued) **S120714459**

Active Permit: Y
Child Record Id: DEH2017-HWAST-0105313
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2017-03-01T02:31:11.000
Chemical Name: Not reported
Common Name: Waste - Flammable Solids
Case Number: Not reported

Record ID: DEH2016-HUPFP-002941
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HWAST-0105314
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2017-03-01T02:31:11.000
Chemical Name: Not reported
Common Name: Waste - Flammable Liquids
Case Number: Not reported

Record ID: DEH2016-HUPFP-002941
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HCHEM-0154567
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2017-09-19T00:52:44.000
Chemical Name: Helium
Common Name: Helium
Case Number: 7440-59-7

Record ID: DEH2016-HUPFP-002941
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HWAST-0132696
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2017-09-19T00:52:45.000
Chemical Name: Not reported
Common Name: Waste - California Regulated
Case Number: Not reported

Record ID: DEH2016-HUPFP-002941
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HWAST-0132697
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2017-09-19T00:52:45.000
Chemical Name: Not reported
Common Name: Waste - California Regulated
Case Number: Not reported

Record ID: DEH2016-HUPFP-002941
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HWAST-0132698

PARTY CITY #661 SAN MARCOS (Continued) **S120714459**

Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2017-09-19T00:52:45.000
Chemical Name: Not reported
Common Name: Waste - Flammable Gases
Case Number: Not reported

Record ID: DEH2016-HUPFP-002941
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HWAST-0132699
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2017-09-19T00:52:45.000
Chemical Name: Not reported
Common Name: Waste - Flammable Solids
Case Number: Not reported

Record ID: DEH2016-HUPFP-002941
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HWAST-0132700
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2017-09-19T00:52:45.000
Chemical Name: Not reported
Common Name: Waste - Flammable Liquids
Case Number: Not reported

Record ID: DEH2016-HUPFP-002941
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HCHEM-0253613
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2021-03-23T02:31:45.000
Chemical Name: Helium
Common Name: Helium
Case Number: 7440-59-7

Record ID: DEH2016-HUPFP-002941
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HWAST-0223116
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2021-03-23T02:31:45.000
Chemical Name: Not reported
Common Name: Waste - California Regulated - Solid
Case Number: Not reported

Record ID: DEH2016-HUPFP-002941
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HWAST-0223117
Trade Secret: N
Hazardous Material Type: Not reported

PARTY CITY #661 SAN MARCOS (Continued) **S120714459**

Last Updated: 2021-03-23T02:31:45.000
Chemical Name: Not reported
Common Name: Waste - California Regulated - Liquid
Case Number: Not reported

Record ID: DEH2016-HUPFP-002941
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HWAST-0223118
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2021-03-23T02:31:45.000
Chemical Name: Not reported
Common Name: Waste - Flammable Aerosols
Case Number: Not reported

Record ID: DEH2016-HUPFP-002941
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HWAST-0223119
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2021-03-23T02:31:45.000
Chemical Name: Not reported
Common Name: Waste - Flammable Solids
Case Number: Not reported

Record ID: DEH2016-HUPFP-002941
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HWAST-0223120
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2021-03-23T02:31:45.000
Chemical Name: Not reported
Common Name: Waste - Flammable Liquids
Case Number: Not reported

Record ID: DEH2016-HUPFP-002941
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2021-HWAST-0272577
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2022-03-09T02:31:34.000
Chemical Name: Not reported
Common Name: Waste - Flammable Aerosols
Case Number: Not reported

Record ID: DEH2016-HUPFP-002941
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2019-HCHEM-0214339
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2020-03-03T02:38:44.000
Chemical Name: Helium

PARTY CITY #661 SAN MARCOS (Continued) **S120714459**

Common Name: Helium
Case Number: 7440-59-7

Record ID: DEH2016-HUPFP-002941
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2019-HWAST-0184094
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2020-03-03T02:38:44.000
Chemical Name: Not reported
Common Name: Waste - California Regulated - Solid
Case Number: Not reported

Record ID: DEH2016-HUPFP-002941
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2019-HWAST-0184095
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2020-03-03T02:38:44.000
Chemical Name: Not reported
Common Name: Waste - California Regulated - Liquid
Case Number: Not reported

Record ID: DEH2016-HUPFP-002941
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2019-HWAST-0184096
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2020-03-03T02:38:44.000
Chemical Name: Not reported
Common Name: Waste - Aerosols
Case Number: Not reported

Record ID: DEH2016-HUPFP-002941
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2019-HWAST-0184097
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2020-03-03T02:38:44.000
Chemical Name: Not reported
Common Name: Waste - Flammable Solids
Case Number: Not reported

Record ID: DEH2016-HUPFP-002941
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2019-HWAST-0184098
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2020-03-03T02:38:44.000
Chemical Name: Not reported
Common Name: Waste - Flammable Liquids
Case Number: Not reported

PARTY CITY #661 SAN MARCOS (Continued) **S120714459**

Record ID:	DEH2016-HUPFP-002941
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2021-HCHEM-0304765
Trade Secret:	N
Hazardous Material Type:	Pure
Last Updated:	2022-03-09T02:31:34.000
Chemical Name:	Helium
Common Name:	Helium
Case Number:	7440-59-7

Record ID:	DEH2016-HUPFP-002941
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2021-HWAST-0272575
Trade Secret:	N
Hazardous Material Type:	Not reported
Last Updated:	2022-03-09T02:31:34.000
Chemical Name:	Not reported
Common Name:	Waste - California Regulated - Solid
Case Number:	Not reported

Record ID:	DEH2016-HUPFP-002941
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2021-HWAST-0272576
Trade Secret:	N
Hazardous Material Type:	Not reported
Last Updated:	2022-03-09T02:31:34.000
Chemical Name:	Not reported
Common Name:	Waste - California Regulated - Liquid
Case Number:	Not reported

Record ID:	DEH2016-HUPFP-002941
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2021-HWAST-0272578
Trade Secret:	N
Hazardous Material Type:	Not reported
Last Updated:	2022-03-09T02:31:34.000
Chemical Name:	Not reported
Common Name:	Waste - Flammable Solids
Case Number:	Not reported

Record ID:	DEH2016-HUPFP-002941
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2021-HWAST-0272579
Trade Secret:	N
Hazardous Material Type:	Not reported
Last Updated:	2022-03-09T02:31:34.000
Chemical Name:	Not reported
Common Name:	Waste - Flammable Liquids
Case Number:	Not reported

Record ID:	DEH2016-HUPFP-002941
Permit Status:	Permit Renewed

PARTY CITY #661 SAN MARCOS (Continued) **S120714459**

Active Permit:	Y
Child Record Id:	DEH2021-HWAST-0272580
Trade Secret:	N
Hazardous Material Type:	Not reported
Last Updated:	2022-03-09T02:31:34.000
Chemical Name:	Not reported
Common Name:	Waste - Corrosive Acid
Case Number:	Not reported

Record ID:	DEH2016-HUPFP-002941
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2021-HWAST-0272581
Trade Secret:	N
Hazardous Material Type:	Not reported
Last Updated:	2022-03-09T02:31:34.000
Chemical Name:	Not reported
Common Name:	Waste - Corrosive Base
Case Number:	Not reported

Record ID:	DEH2016-HUPFP-002941
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2018-HCHEM-0183822
Trade Secret:	N
Hazardous Material Type:	Pure
Last Updated:	2019-03-06T02:31:28.000
Chemical Name:	Helium
Common Name:	Helium
Case Number:	7440-59-7

Record ID:	DEH2016-HUPFP-002941
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2018-HWAST-0158074
Trade Secret:	N
Hazardous Material Type:	Not reported
Last Updated:	2019-03-06T02:31:28.000
Chemical Name:	Not reported
Common Name:	Waste - California Regulated
Case Number:	Not reported

Record ID:	DEH2016-HUPFP-002941
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2018-HWAST-0158075
Trade Secret:	N
Hazardous Material Type:	Not reported
Last Updated:	2019-03-06T02:31:28.000
Chemical Name:	Not reported
Common Name:	Waste - California Regulated
Case Number:	Not reported

Record ID:	DEH2016-HUPFP-002941
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2018-HWAST-0158076

PARTY CITY #661 SAN MARCOS (Continued) **S120714459**

Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2019-03-06T02:31:28.000
Chemical Name: Not reported
Common Name: Waste - Flammable Gases
Case Number: Not reported

Record ID: DEH2016-HUPFP-002941
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HWAST-0158077
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2019-03-06T02:31:28.000
Chemical Name: Not reported
Common Name: Waste - Flammable Solids
Case Number: Not reported

Record ID: DEH2016-HUPFP-002941
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HWAST-0158078
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2019-03-06T02:31:28.000
Chemical Name: Not reported
Common Name: Waste - Flammable Liquids
Case Number: Not reported

CERS HAZ WASTE:
Name: PARTY CITY #661 SAN MARCOS
Address: 157 S LAS POSAS RD
City,State,Zip: SAN MARCOS, CA 92078
Site ID: 408213
CERS ID: 10706119
CERS Description: Hazardous Waste Generator

HAZNET:
Name: PARTY CITY CORPORATION #661
Address: 157 S LAS POSAS RD
Address 2: Not reported
City,State,Zip: SAN MARCOS, CA 92078
Contact: RAPHAEL BOHNER
Telephone: 9734538600
Mailing Name: Not reported
Mailing Address: PO BOX 2513

Year: 2021
Gepaid: CAL000417910
TSD EPA ID: CAD008252405
CA Waste Code: 331 - Off-specification, aged or surplus organics
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.0675

PARTY CITY #661 SAN MARCOS (Continued) **S120714459**

Year: 2020
Gepaid: CAL000417910
TSD EPA ID: CAD008252405
CA Waste Code: 331 - Off-specification, aged or surplus organics
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.0325

Year: 2019
Gepaid: CAL000417910
TSD EPA ID: CAD008252405
CA Waste Code: 331 - Off-specification, aged or surplus organics
Disposal Method: H061 - Fuel Blending Prior To Energy Recovery At Another Site
Tons: 0.01250

Year: 2019
Gepaid: CAL000417910
TSD EPA ID: CAD008252405
CA Waste Code: 331 - Off-specification, aged or surplus organics
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.02350

Year: 2018
Gepaid: CAL000417910
TSD EPA ID: CAD008252405
CA Waste Code: 331 - Off-specification, aged or surplus organics
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.01500

Year: 2017
Gepaid: CAL000417910
TSD EPA ID: CAD008252405
CA Waste Code: 331 - Off-specification, aged or surplus organics
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.0125

Year: 2017
Gepaid: CAL000417910
TSD EPA ID: CAD008252405
CA Waste Code: 331 - Off-specification, aged or surplus organics
Disposal Method: H061 - Fuel Blending Prior To Energy Recovery At Another Site
Tons: 0.008

Additional Info:
Year: 2017
Gen EPA ID: CAL000417910

Shipment Date: 20171207
Creation Date: 12/5/2018 18:30:10
Receipt Date: 20171211
Manifest ID: 011106781FLE
Trans EPA ID: CAR000245050
Trans Name: ECOTRANS LLC

PARTY CITY #661 SAN MARCOS (Continued) **S120714459**

Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008252405
Trans Name:	PACIFIC RESOURCE RECOVERY
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	Not reported
Meth Code:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Quantity Tons:	0.01
Waste Quantity:	20
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20171025
Creation Date:	8/1/2018 18:30:51
Receipt Date:	20171026
Manifest ID:	011106524FLE
Trans EPA ID:	CAR000245050
Trans Name:	ECOTRANS RECYCLING LLC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008252405
Trans Name:	PACIFIC RESOURCE RECOVERY
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	D001
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.005
Waste Quantity:	10
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20170601
Creation Date:	7/13/2018 18:30:14
Receipt Date:	20170605
Manifest ID:	017232828JJK
Trans EPA ID:	CAR000245050
Trans Name:	ECOTRANS LLC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008252405
Trans Name:	PACIFIC RESOURCE RECOVERY
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	Not reported

PARTY CITY #661 SAN MARCOS (Continued) **S120714459**

Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0075
Waste Quantity:	15
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20170504
Creation Date:	7/18/2018 18:30:10
Receipt Date:	20170508
Manifest ID:	017232700JJK
Trans EPA ID:	CAR000245050
Trans Name:	ECOTRANS LLC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008252405
Trans Name:	PACIFIC RESOURCE RECOVERY
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	D001
Meth Code:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Quantity Tons:	0.008
Waste Quantity:	16
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

CERS:

Name:	PARTY CITY #661 SAN MARCOS
Address:	157 S LAS POSAS RD
City,State,Zip:	SAN MARCOS, CA 92078
Site ID:	408213
CERS ID:	10706119
CERS Description:	Chemical Storage Facilities

Violations:

Site ID:	408213
Site Name:	Party City #661 San Marcos
Violation Date:	11-01-2016
Citation:	HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description:	Failure to complete and electronically submit a site map with all required content.
Violation Notes:	Returned to compliance on 01/04/2017.
Violation Division:	San Diego County Department of Env Health
Violation Program:	HMRRP
Violation Source:	CERS,

PARTY CITY #661 SAN MARCOS (Continued) **S120714459**

Evaluation:

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	07-27-2021
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Inspector: Valdez Kevin Inspection ID:6495891
Eval Division:	San Diego County Department of Env Health
Eval Program:	HW
Eval Source:	CERS,

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	11-01-2016
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Inspector: Khan Steven Inspection ID:5598764
Eval Division:	San Diego County Department of Env Health
Eval Program:	HMRRP
Eval Source:	CERS,

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	07-27-2021
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Inspector: Valdez Kevin Inspection ID:6495891
Eval Division:	San Diego County Department of Env Health
Eval Program:	HMRRP
Eval Source:	CERS,

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	08-14-2018
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Inspector: Kieu Bridget Inspection ID:6032968
Eval Division:	San Diego County Department of Env Health
Eval Program:	HW
Eval Source:	CERS,

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	08-14-2018
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Inspector: Kieu Bridget Inspection ID:6032968
Eval Division:	San Diego County Department of Env Health
Eval Program:	HMRRP
Eval Source:	CERS,

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	11-01-2016
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Inspector: Khan Steven Inspection ID:5598764
Eval Division:	San Diego County Department of Env Health
Eval Program:	HW
Eval Source:	CERS,

Coordinates:

PARTY CITY #661 SAN MARCOS (Continued) **S120714459**

Site ID:	408213
Facility Name:	Party City #661 San Marcos
Env Int Type Code:	HMBP
Program ID:	10706119
Coord Name:	Not reported
Ref Point Type Desc:	Center of a facility or station.,
Latitude:	33.142100
Longitude:	-117.192020

Affiliation:

Affiliation Type Desc:	Environmental Contact
Entity Name:	Kimberly Philips
Entity Title:	Not reported
Affiliation Address:	25 Green Pond Road, Suite #1
Affiliation City:	Rockaway
Affiliation State:	NJ
Affiliation Country:	Not reported
Affiliation Zip:	07866
Affiliation Phone:	,

Affiliation Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	Not reported
Affiliation Address:	157 S Las Posas Rd
Affiliation City:	San Marcos
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92078
Affiliation Phone:	,

Affiliation Type Desc:	Identification Signer
Entity Name:	Tyreen Torner
Entity Title:	Attorney for Party City Corporation
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,

Affiliation Type Desc:	Legal Owner
Entity Name:	Party City Corporation
Entity Title:	Not reported
Affiliation Address:	25 Green Pond Road, Suite #1
Affiliation City:	Rockaway
Affiliation State:	NJ
Affiliation Country:	United States
Affiliation Zip:	07866
Affiliation Phone:	(973) 983-0888,

Affiliation Type Desc:	Operator
Entity Name:	Party City Corporation
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported

PARTY CITY #661 SAN MARCOS (Continued) **S120714459**

Affiliation Zip:	Not reported
Affiliation Phone:	(973) 983-0888,
Affiliation Type Desc:	Parent Corporation
Entity Name:	Party City Corporation
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,
Affiliation Type Desc:	CUPA District
Entity Name:	San Diego County Env Health Qlty
Entity Title:	Not reported
Affiliation Address:	PO Box 129261
Affiliation City:	San Diego
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92112-9261
Affiliation Phone:	(858) 505-6880,
Affiliation Type Desc:	Document Preparer
Entity Name:	William Hendel
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,

HWTS:

Name:	PARTY CITY CORPORATION #661
Address:	157 S LAS POSAS RD
Address 2:	Not reported
City,State,Zip:	SAN MARCOS, CA 92078
EPA ID:	CAL000417910
Inactive Date:	Not reported
Create Date:	06/09/2016
Last Act Date:	Not reported
Mailing Name:	Not reported
Mailing Address:	PO BOX 2513
Mailing Address 2:	Not reported
Mailing City,State,Zip:	TRUCKEE, CA 96160
Owner Name:	PARTY CITY CORPORATION
Owner Address:	25 GREEN POND RD STE 1
Owner Address 2:	Not reported
Owner City,State,Zip:	ROCKAWAY, NJ 7866
Contact Name:	RAPHAEL BOHNER
Contact Address:	25 GREEN POND RD STE 1
Contact Address 2:	Not reported
City,State,Zip:	ROCKAWAY, NJ 7866
Facility Status:	Active
Facility Type:	PERMANENT

PARTY CITY #661 SAN MARCOS (Continued) **S120714459**

Category: STATE
Latitude: -90
Longitude: 180

NAICS:
EPA ID: CAL000417910
Create Date: 2016-06-09 08:48:43.967
NAICS Code: 45299
NAICS Description: All Other General Merchandise Stores
Issued EPA ID Date: 2016-06-09 08:48:43.96700
Inactive Date: Not reported
Facility Name: PARTY CITY CORPORATION #661
Facility Address: 157 S LAS POSAS RD
Facility Address 2: Not reported
Facility City: SAN MARCOS
Facility County: Not reported
Facility State: CA
Facility Zip: 92078

T138 **MOYER CHEMICAL** **SEMS-ARCHIVE** **1003878787**
NW **1227 LOS VALLECITOS RD** **CAD980892723**
1/8-1/4 **SAN MARCOS, CA 92069**
0.236 mi.
1244 ft. **Site 2 of 2 in cluster T**

Relative:
Higher

Actual:
560 ft.

SEMS Archive:
Site ID: 0902217
EPA ID: CAD980892723
Name: MOYER CHEMICAL
Address: 1227 LOS VALLECITOS RD
Address 2: Not reported
City,State,Zip: SAN MARCOS, CA 92069
Cong District: 43
FIPS Code: 06073
FF: N
NPL: Not on the NPL
Non NPL Status: NFRAP-Site does not qualify for the NPL based on existing information

SEMS Archive Detail:
Region: 09
Site ID: 0902217
EPA ID: CAD980892723
Site Name: MOYER CHEMICAL
NPL: N
FF: N
OU: 00
Action Code: VS
Action Name: ARCH SITE
SEQ: 1
Start Date: Not reported
Finish Date: 1987-12-01 05:00:00
Qual: Not reported
Current Action Lead: EPA Perf In-Hse

Region: 09
Site ID: 0902217
EPA ID: CAD980892723
Site Name: MOYER CHEMICAL

MOYER CHEMICAL (Continued) **1003878787**

NPL:	N
FF:	N
OU:	00
Action Code:	PA
Action Name:	PA
SEQ:	1
Start Date:	1985-04-09 06:00:00
Finish Date:	1987-12-01 05:00:00
Qual:	N
Current Action Lead:	St Perf
Region:	09
Site ID:	0902217
EPA ID:	CAD980892723
Site Name:	MOYER CHEMICAL
NPL:	N
FF:	N
OU:	00
Action Code:	DS
Action Name:	DISCVRY
SEQ:	1
Start Date:	1985-04-01 06:00:00
Finish Date:	1985-04-01 06:00:00
Qual:	Not reported
Current Action Lead:	St Perf

W139 **MARSHALLS 0502** **San Diego Co. HMMD** **S118236971**
NW **161 S LAS POSAS RD** **CERS HAZ WASTE** **N/A**
1/8-1/4 **SAN MARCOS, CA 92078** **HAZNET**
0.238 mi. **CERS**
1258 ft. **Site 3 of 13 in cluster W** **HWTS**

Relative: **Higher**

Actual: **556 ft.**

HMMD SAN DIEGO:

Name:	MARSHALLS 0502
Address:	161 S LAS POSAS RD
City,State,Zip:	SAN MARCOS, CA 92078
Permit Number:	Not reported
Business Type:	Not reported
EPA Id Number:	CAL000401874
APN:	Not reported
Last HMMD Inspection:	Not reported
Facility Telephone:	760-510-8169
Permit Status:	Permit Renewed
Permit Expiration:	Not reported
Date Last Updated:	03/01/2022
Facility Owner:	Not reported
Facility Mailing Address:	770 Cochituate Road, Framingham, MA 01701
Facility Mailing City:	Not reported
Facility Mailing State:	Not reported
Facility Mailing Zip:	Not reported
UST Owner:	N
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Y
Treat Haz Waste:	N
Generate Medical Waste:	Not reported

MARSHALLS 0502 (Continued) **S118236971**

Inspection Violation:

Record ID:	DEH2014-HUPFP-001074
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-001074
Program Element:	Hazardous Waste Generator
Inspection Type:	Routine
Inspection Number:	5556005
Return To Compliance Date:	2017-01-10T00:00:00.000
Nov:	No
Violation Classification:	Minor
Underground Storage Tank Id:	Not reported
Container/Tank Id:	Not reported
Last Update:	2022-03-01T01:12:06.000
Inspection Date:	2016-12-21T12:52:00.000
Violation Code:	HMD0138 Manifest signed by the TSDF not available for inspection. 22 CCR 66262.40(a)

Waste and Materials:

Record ID:	DEH2014-HUPFP-001074
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2017-HWAST-0111557
Trade Secret:	N
Hazardous Material Type:	Not reported
Last Updated:	2017-04-18T15:51:05.000
Chemical Name:	Aerosols
Common Name:	Spray Glue/ Spray Paint/ Personal Care Items
Case Number:	Not reported

Record ID:	DEH2014-HUPFP-001074
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2017-HWAST-0111558
Trade Secret:	N
Hazardous Material Type:	Not reported
Last Updated:	2017-04-18T15:51:05.000
Chemical Name:	Corrosive Acids
Common Name:	Color Remover, Cleaners
Case Number:	Not reported

Record ID:	DEH2014-HUPFP-001074
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2017-HWAST-0111559
Trade Secret:	N
Hazardous Material Type:	Not reported
Last Updated:	2017-04-18T15:51:05.000
Chemical Name:	Corrosive Bases
Common Name:	Cleaners, Paint Stripper (Onsite Maintenance)
Case Number:	Not reported

Record ID:	DEH2014-HUPFP-001074
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2017-HWAST-0111560

MARSHALLS 0502 (Continued) **S118236971**

Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2017-04-18T15:51:05.000
Chemical Name: Flammable Liquids
Common Name: Nail Polish/ Removers, Goof Off Cleaners, Cologne
Case Number: Not reported

Record ID: DEH2014-HUPFP-001074
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HWAST-0111561
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2017-04-18T15:51:05.000
Chemical Name: Toxic Solids
Common Name: Pyrethroids
Case Number: Not reported

Record ID: DEH2014-HUPFP-001074
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HWAST-0216377
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2022-03-01T01:12:06.000
Chemical Name: Aerosols
Common Name: Spray Glue/ Spray Paint/ Personal Care Items
Case Number: Not reported

Record ID: DEH2014-HUPFP-001074
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HWAST-0216378
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2022-03-01T01:12:06.000
Chemical Name: Corrosive Acids
Common Name: Color Remover, Cleaners
Case Number: Not reported

Record ID: DEH2014-HUPFP-001074
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HWAST-0216379
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2022-03-01T01:12:06.000
Chemical Name: Corrosive Bases
Common Name: Cleaners, Paint Stripper (Onsite Maintenance)
Case Number: Not reported

Record ID: DEH2014-HUPFP-001074
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HWAST-0216380
Trade Secret: N
Hazardous Material Type: Not reported

MARSHALLS 0502 (Continued) **S118236971**

Last Updated: 2022-03-01T01:12:06.000
Chemical Name: Flammable Liquids
Common Name: Nail Polish/ Removers, Goof Off Cleaners, Cologne
Case Number: Not reported

Record ID: DEH2014-HUPFP-001074
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HWAST-0216381
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2022-03-01T01:12:06.000
Chemical Name: Toxic Solids
Common Name: Pyrethroids
Case Number: Not reported

Record ID: DEH2014-HUPFP-001074
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2019-HWAST-0179311
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2019-04-17T02:32:45.000
Chemical Name: Toxic Solids
Common Name: Pyrethroids
Case Number: Not reported

Record ID: DEH2014-HUPFP-001074
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2019-HWAST-0179307
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2019-04-17T02:32:45.000
Chemical Name: Aerosols
Common Name: Spray Glue/ Spray Paint/ Personal Care Items
Case Number: Not reported

Record ID: DEH2014-HUPFP-001074
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2019-HWAST-0179308
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2019-04-17T02:32:45.000
Chemical Name: Corrosive Acids
Common Name: Color Remover, Cleaners
Case Number: Not reported

Record ID: DEH2014-HUPFP-001074
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2019-HWAST-0179309
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2019-04-17T02:32:45.000
Chemical Name: Corrosive Bases

MARSHALLS 0502 (Continued) **S118236971**

Common Name: Cleaners, Paint Stripper (Onsite Maintenance)
Case Number: Not reported

Record ID: DEH2014-HUPFP-001074
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2019-HWAST-0179310
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2019-04-17T02:32:45.000
Chemical Name: Flammable Liquids
Common Name: Nail Polish/ Removers, Goof Off Cleaners, Cologne
Case Number: Not reported

Record ID: DEH2014-HUPFP-001074
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HWAST-0150301
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2018-10-25T10:58:01.000
Chemical Name: Aerosols
Common Name: Spray Glue/ Spray Paint/ Personal Care Items
Case Number: Not reported

Record ID: DEH2014-HUPFP-001074
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HWAST-0150302
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2018-10-25T10:58:01.000
Chemical Name: Corrosive Acids
Common Name: Color Remover, Cleaners
Case Number: Not reported

Record ID: DEH2014-HUPFP-001074
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HWAST-0150303
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2018-10-25T10:58:01.000
Chemical Name: Corrosive Bases
Common Name: Cleaners, Paint Stripper (Onsite Maintenance)
Case Number: Not reported

Record ID: DEH2014-HUPFP-001074
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HWAST-0150304
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2018-10-25T10:58:01.000
Chemical Name: Flammable Liquids
Common Name: Nail Polish/ Removers, Goof Off Cleaners, Cologne
Case Number: Not reported

MARSHALLS 0502 (Continued) **S118236971**

Record ID: DEH2014-HUPFP-001074
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HWAST-0150305
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2018-10-25T10:58:01.000
Chemical Name: Toxic Solids
Common Name: Pyrethroids
Case Number: Not reported

CERS HAZ WASTE:
Name: MARSHALLS 0502
Address: 161 S LAS POSAS RD
City,State,Zip: SAN MARCOS, CA 92078
Site ID: 133113
CERS ID: 10491148
CERS Description: Hazardous Waste Generator

HAZNET:
Name: MARSHALLS 0502
Address: 161 S LAS POSAS RD
Address 2: Not reported
City,State,Zip: SAN MARCOS, CA 920782419
Contact: PAUL KANGAS
Telephone: 7743083651
Mailing Name: Not reported
Mailing Address: 770 COCHITUATE RD

Year: 2021
Gepaid: CAL000401874
TSD EPA ID: CAD008364432
CA Waste Code: 331 - Off-specification, aged or surplus organics
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.976

Year: 2021
Gepaid: CAL000401874
TSD EPA ID: CAD008364432
CA Waste Code: 791 - Liquids with pH <= 2
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.0025

Year: 2021
Gepaid: CAL000401874
TSD EPA ID: CAD008364432
CA Waste Code: 122 - Alkaline solution without metals pH >= 12.5
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.0045

Year: 2020
Gepaid: CAL000401874

MARSHALLS 0502 (Continued) **S118236971**

TSD EPA ID:	CAD008364432
CA Waste Code:	331 - Off-specification, aged or surplus organics
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.3395
Year:	2020
Gepaid:	CAL000401874
TSD EPA ID:	AZR000515924
CA Waste Code:	331 - Off-specification, aged or surplus organics
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.197
Year:	2019
Gepaid:	CAL000401874
TSD EPA ID:	CAD008364432
CA Waste Code:	331 - Off-specification, aged or surplus organics
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.00950
Year:	2019
Gepaid:	CAL000401874
TSD EPA ID:	CAD008364432
CA Waste Code:	181 - Other inorganic solid waste
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.00150
Year:	2019
Gepaid:	CAL000401874
TSD EPA ID:	NVD980895338
CA Waste Code:	331 - Off-specification, aged or surplus organics
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.01150
Year:	2018
Gepaid:	CAL000401874
TSD EPA ID:	CAD008364432
CA Waste Code:	181 - Other inorganic solid waste
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.00100
Year:	2018
Gepaid:	CAL000401874
TSD EPA ID:	AZR000515924
CA Waste Code:	331 - Off-specification, aged or surplus organics
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.12900

Click this hyperlink while viewing on your computer to access
13 additional CA HAZNET: record(s) in the EDR Site Report.

MARSHALLS 0502 (Continued) **S118236971**

Detail Two:

Year:	2020
EM Manifest ID:	c49be5f5-0ae7-4d72-8f7c-2b70506bc396
Shipment Date:	8/3/2020
Receipt Date:	8/11/2020
Manifest Number:	013992140FLE
Generator EPA ID:	CAL000401874
Name:	MARSHALLS
Address:	161 S LAS POSAS STREET
Address 2:	Not reported
City:	SAN MARCOS
Zip:	92078
Telephone:	877-577-2669
Contact:	Not reported
Contact Telephone:	323-776-6233
Transporter 1 EPA ID:	MNS000110924
Transporter 1 Emergency Number:	Not reported
Transporter 2 EPA ID:	MNS000110924
Transporter 2 Emergency Number:	Not reported
TSDF EPA ID:	CAD008364432
TSDF Name:	Rho Chem LLC
TSDF Address 1:	425 Isis Ave.
TSDF Address 2:	Not reported
TSDF City:	Inglewood
TSDF Zip:	90301
TSDF Telephone:	Not reported

Federal:

Year:	2020
EM Manifest ID:	c49be5f5-0ae7-4d72-8f7c-2b70506bc396
Generator EPA ID:	CAL000401874
Shipment Date:	2020-08-03
Manifest Number:	013992140FLE
Line Number:	1
Method Code:	H141
Quantity Tons:	0.00400
Quantity Waste:	8.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Burlap, cloth, paper, or plastic bags
Quantity Type:	Pounds
Federal Code:	D001

Year:	2020
EM Manifest ID:	c49be5f5-0ae7-4d72-8f7c-2b70506bc396
Generator EPA ID:	CAL000401874
Shipment Date:	2020-08-03
Manifest Number:	013992140FLE
Line Number:	1
Method Code:	H141
Quantity Tons:	0.00400
Quantity Waste:	8.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Burlap, cloth, paper, or plastic bags
Quantity Type:	Pounds
Federal Code:	D035

MARSHALLS 0502 (Continued) **S118236971**

Year: 2020
EM Manifest ID: c49be5f5-0ae7-4d72-8f7c-2b70506bc396
Generator EPA ID: CAL000401874
Shipment Date: 2020-08-03
Manifest Number: 013992140FLE
Line Number: 2
Method Code: H141
Quantity Tons: 0.00550
Quantity Waste: 11.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: Burlap, cloth, paper, or plastic bags
Quantity Type: Pounds
Federal Code: D001

State:
Year: 2020
EM Manifest ID: c49be5f5-0ae7-4d72-8f7c-2b70506bc396
Generator EPA ID: CAL000401874
Shipment Date: 2020-08-03
Manifest Number: 013992140FLE
Line Number: 1
Method Code: H141
Quantity Tons: 0.00400
Quantity Waste: 8.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: Burlap, cloth, paper, or plastic bags
Quantity Type: Pounds
State Code: 331

Year: 2020
EM Manifest ID: c49be5f5-0ae7-4d72-8f7c-2b70506bc396
Generator EPA ID: CAL000401874
Shipment Date: 2020-08-03
Manifest Number: 013992140FLE
Line Number: 2
Method Code: H141
Quantity Tons: 0.00550
Quantity Waste: 11.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: Burlap, cloth, paper, or plastic bags
Quantity Type: Pounds
State Code: 331

Year: 2020
EM Manifest ID: c49be5f5-0ae7-4d72-8f7c-2b70506bc396
Generator EPA ID: CAL000401874
Shipment Date: 2020-08-03
Manifest Number: 013992140FLE
Line Number: 3
Method Code: H141
Quantity Tons: 0.07000
Quantity Waste: 140.000000
Quantity Unit: P
Number of Containers: 1

MARSHALLS 0502 (Continued) **S118236971**

Type of Container: Fiberboard or plastic drums, barrels, kegs
Quantity Type: Pounds
State Code: 331

Year: 2020
EM Manifest ID: c49be5f5-0ae7-4d72-8f7c-2b70506bc396
Generator EPA ID: CAL000401874
Shipment Date: 2020-08-03
Manifest Number: 013992140FLE
Line Number: 4
Method Code: H141
Quantity Tons: 0.08050
Quantity Waste: 161.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: Fiberboard or plastic drums, barrels, kegs
Quantity Type: Pounds
State Code: 331

Year: 2020
EM Manifest ID: 947960
Shipment Date: 1/13/2020
Receipt Date: 1/24/2020
Manifest Number: 014363688FLE
Generator EPA ID: CAL000401874
Name: MARSHALLS
Address: 161 S LAS POSAS STREET
Address 2: Not reported
City: SAN MARCOS
Zip: 92078
Telephone: 877-577-2669
Contact: Not reported
Contact Telephone: 323-776-6233
Transporter 1 EPA ID: MNS000110924
Transporter 1 Emergency Number: Not reported
Transporter 2 EPA ID: MNS000110924
Transporter 2 Emergency Number: Not reported
TSDF EPA ID: CAD008364432
TSDF Name: Rho Chem LLC
TSDF Address 1: 425 Isis Ave.
TSDF Address 2: Not reported
TSDF City: Inglewood
TSDF Zip: 90301
TSDF Telephone: Not reported

Federal:
Year: 2020
EM Manifest ID: 947960
Generator EPA ID: CAL000401874
Shipment Date: 2020-01-13
Manifest Number: 014363688FLE
Line Number: 1
Method Code: H141
Quantity Tons: 0.00250
Quantity Waste: 5.000000
Quantity Unit: P
Number of Containers: 1

MARSHALLS 0502 (Continued) **S118236971**

Type of Container: Fiber or plastic boxes, cartons, cases
Quantity Type: Pounds
Federal Code: D001

Year: 2020
EM Manifest ID: 947960
Generator EPA ID: CAL000401874
Shipment Date: 2020-01-13
Manifest Number: 014363688FLE
Line Number: 1
Method Code: H141
Quantity Tons: 0.00250
Quantity Waste: 5.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: Fiber or plastic boxes, cartons, cases
Quantity Type: Pounds
Federal Code: D035

Year: 2020
EM Manifest ID: 947960
Generator EPA ID: CAL000401874
Shipment Date: 2020-01-13
Manifest Number: 014363688FLE
Line Number: 2
Method Code: H141
Quantity Tons: 0.00500
Quantity Waste: 10.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: Fiber or plastic boxes, cartons, cases
Quantity Type: Pounds
Federal Code: D001

State:
Year: 2020
EM Manifest ID: 947960
Generator EPA ID: CAL000401874
Shipment Date: 2020-01-13
Manifest Number: 014363688FLE
Line Number: 1
Method Code: H141
Quantity Tons: 0.00250
Quantity Waste: 5.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: Fiber or plastic boxes, cartons, cases
Quantity Type: Pounds
State Code: 331

Year: 2020
EM Manifest ID: 947960
Generator EPA ID: CAL000401874
Shipment Date: 2020-01-13
Manifest Number: 014363688FLE
Line Number: 2
Method Code: H141

MARSHALLS 0502 (Continued) **S118236971**

Quantity Tons: 0.00500
Quantity Waste: 10.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: Fiber or plastic boxes, cartons, cases
Quantity Type: Pounds
State Code: 331

Year: 2020
EM Manifest ID: 1011459
Shipment Date: 1/13/2020
Receipt Date: 1/27/2020
Manifest Number: 014363689FLE
Generator EPA ID: CAL000401874
Name: MARSHALLS 0502
Address: 161 S LAS POSAS RD
Address 2: Not reported
City: SAN MARCOS
Zip: 92078-2419
Telephone: 877-577-2669
Contact: Not reported
Contact Telephone: 760-510-8169
Transporter 1 EPA ID: MNS000110924
Transporter 1 Emergency Number: Not reported
Transporter 2 EPA ID: CAR000175422
Transporter 2 Emergency Number: Not reported
TSDF EPA ID: AZR000515924
TSDF Name: YUMA YES WASTE TRANSFER FACILITY
TSDF Address 1: 2730 E 13TH ST
TSDF Address 2: Not reported
TSDF City: YUMA
TSDF Zip: 85365-1901
TSDF Telephone: Not reported

State:
Year: 2020
EM Manifest ID: 1011459
Generator EPA ID: CAL000401874
Shipment Date: 2020-01-13
Manifest Number: 014363689FLE
Line Number: 1
Method Code: H141
Quantity Tons: 0.11150
Quantity Waste: 223.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: Fiberboard or plastic drums, barrels, kegs
Quantity Type: Pounds
State Code: 331

Year: 2020
EM Manifest ID: 1011459
Generator EPA ID: CAL000401874
Shipment Date: 2020-01-13
Manifest Number: 014363689FLE
Line Number: 2
Method Code: H141

MARSHALLS 0502 (Continued) **S118236971**

Quantity Tons:	0.08550
Quantity Waste:	171.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Pounds
State Code:	331

Detail Two:

Year:	2019
EM Manifest ID:	499620
Shipment Date:	7/26/2019
Receipt Date:	8/8/2019
Manifest Number:	013642375FLE
Generator EPA ID:	CAL000401874
Name:	MARSHALLS
Address:	161 S LAS POSAS STREET
Address 2:	Not reported
City:	SAN MARCOS
Zip:	92078
Telephone:	877-577-2669
Contact:	Not reported
Contact Telephone:	323-776-6233
Transporter 1 EPA ID:	MNS000110924
Transporter 1 Emergency Number:	Not reported
Transporter 2 EPA ID:	MNS000110924
Transporter 2 Emergency Number:	Not reported
TSDF EPA ID:	CAD008364432
TSDF Name:	Rho Chem LLC
TSDF Address 1:	425 Isis Ave.
TSDF Address 2:	Not reported
TSDF City:	Inglewood
TSDF Zip:	90301
TSDF Telephone:	Not reported

Federal:

Year:	2019
EM Manifest ID:	499620
Generator EPA ID:	CAL000401874
Shipment Date:	2019-07-26
Manifest Number:	013642375FLE
Line Number:	1
Method Code:	H141
Quantity Tons:	0.00050
Quantity Waste:	1.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
Federal Code:	D009

Year:	2019
EM Manifest ID:	499620
Generator EPA ID:	CAL000401874
Shipment Date:	2019-07-26
Manifest Number:	013642375FLE

MARSHALLS 0502 (Continued) **S118236971**

Line Number: 2
Method Code: H141
Quantity Tons: 0.00600
Quantity Waste: 12.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: Fiber or plastic boxes, cartons, cases
Quantity Type: Pounds
Federal Code: D001

Year: 2019
EM Manifest ID: 499620
Generator EPA ID: CAL000401874
Shipment Date: 2019-07-26
Manifest Number: 013642375FLE
Line Number: 3
Method Code: H141
Quantity Tons: 0.00350
Quantity Waste: 7.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: Fiber or plastic boxes, cartons, cases
Quantity Type: Pounds
Federal Code: D001

Year: 2019
EM Manifest ID: 499620
Generator EPA ID: CAL000401874
Shipment Date: 2019-07-26
Manifest Number: 013642375FLE
Line Number: 3
Method Code: H141
Quantity Tons: 0.00350
Quantity Waste: 7.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: Fiber or plastic boxes, cartons, cases
Quantity Type: Pounds
Federal Code: D035

State:
Year: 2019
EM Manifest ID: 499620
Generator EPA ID: CAL000401874
Shipment Date: 2019-07-26
Manifest Number: 013642375FLE
Line Number: 1
Method Code: H141
Quantity Tons: 0.00050
Quantity Waste: 1.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: Fiber or plastic boxes, cartons, cases
Quantity Type: Pounds
State Code: 181

Year: 2019

MARSHALLS 0502 (Continued) **S118236971**

EM Manifest ID:	499620
Generator EPA ID:	CAL000401874
Shipment Date:	2019-07-26
Manifest Number:	013642375FLE
Line Number:	2
Method Code:	H141
Quantity Tons:	0.00600
Quantity Waste:	12.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
State Code:	331

Year:	2019
EM Manifest ID:	499620
Generator EPA ID:	CAL000401874
Shipment Date:	2019-07-26
Manifest Number:	013642375FLE
Line Number:	3
Method Code:	H141
Quantity Tons:	0.00350
Quantity Waste:	7.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
State Code:	331

Year:	2019
EM Manifest ID:	32d9f49d-d61b-40fc-ac36-e1477c3c74c9
Shipment Date:	7/26/2019
Receipt Date:	8/12/2019
Manifest Number:	013642376FLE
Generator EPA ID:	CAL000401874
Name:	MARSHALLS 0502
Address:	161 S LAS POSAS RD
Address 2:	Not reported
City:	SAN MARCOS
Zip:	92078-2419
Telephone:	877-577-2669
Contact:	Not reported
Contact Telephone:	760-510-8169
Transporter 1 EPA ID:	MNS000110924
Transporter 1 Emergency Number:	Not reported
Transporter 2 EPA ID:	CAR000175422
Transporter 2 Emergency Number:	Not reported
TSDF EPA ID:	AZR000515924
TSDF Name:	YUMA YES WASTE TRANSFER FACILITY
TSDF Address 1:	2730 E 13TH ST
TSDF Address 2:	Not reported
TSDF City:	YUMA
TSDF Zip:	85365-1901
TSDF Telephone:	Not reported

State:

Year:	2019

MARSHALLS 0502 (Continued) **S118236971**

EM Manifest ID:	32d9f49d-d61b-40fc-ac36-e1477c3c74c9
Generator EPA ID:	CAL000401874
Shipment Date:	2019-07-26
Manifest Number:	013642376FLE
Line Number:	1
Method Code:	H141
Quantity Tons:	0.06350
Quantity Waste:	127.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Pounds
State Code:	331

Year:	2019
EM Manifest ID:	32d9f49d-d61b-40fc-ac36-e1477c3c74c9
Generator EPA ID:	CAL000401874
Shipment Date:	2019-07-26
Manifest Number:	013642376FLE
Line Number:	2
Method Code:	H141
Quantity Tons:	0.08950
Quantity Waste:	179.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Pounds
State Code:	331

Year:	2019
EM Manifest ID:	32d9f49d-d61b-40fc-ac36-e1477c3c74c9
Generator EPA ID:	CAL000401874
Shipment Date:	2019-07-26
Manifest Number:	013642376FLE
Line Number:	3
Method Code:	H141
Quantity Tons:	0.01850
Quantity Waste:	37.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
State Code:	331

Year:	2019
EM Manifest ID:	269940
Shipment Date:	1/28/2019
Receipt Date:	2/12/2019
Manifest Number:	012440379FLE
Generator EPA ID:	CAL000401874
Name:	MARSHALLS
Address:	161 S LAS POSAS STREET
Address 2:	Not reported
City:	SAN MARCOS
Zip:	92078
Telephone:	877-577-2669

MARSHALLS 0502 (Continued) **S118236971**

Contact:	Not reported
Contact Telephone:	775-575-2760
Transporter 1 EPA ID:	MNS000110924
Transporter 1 Emergency Number:	Not reported
Transporter 2 EPA ID:	MNS000110924
Transporter 2 Emergency Number:	Not reported
TSDF EPA ID:	NVD980895338
TSDF Name:	21st Century Environmental Management of Nevada, LLC
TSDF Address 1:	2095 Newlands Drive East
TSDF Address 2:	Not reported
TSDF City:	Fernley
TSDF Zip:	89408
TSDF Telephone:	Not reported

Federal:

Year:	2019
EM Manifest ID:	269940
Generator EPA ID:	CAL000401874
Shipment Date:	2019-01-28
Manifest Number:	012440379FLE
Line Number:	1
Method Code:	H141
Quantity Tons:	0.00650
Quantity Waste:	13.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
Federal Code:	D001

Year:	2019
EM Manifest ID:	269940
Generator EPA ID:	CAL000401874
Shipment Date:	2019-01-28
Manifest Number:	012440379FLE
Line Number:	2
Method Code:	H141
Quantity Tons:	0.00500
Quantity Waste:	10.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
Federal Code:	D001

Year:	2019
EM Manifest ID:	269940
Generator EPA ID:	CAL000401874
Shipment Date:	2019-01-28
Manifest Number:	012440379FLE
Line Number:	2
Method Code:	H141
Quantity Tons:	0.00500
Quantity Waste:	10.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds

MARSHALLS 0502 (Continued) **S118236971**

Federal Code: D035

State:
Year: 2019
EM Manifest ID: 269940
Generator EPA ID: CAL000401874
Shipment Date: 2019-01-28
Manifest Number: 012440379FLE
Line Number: 1
Method Code: H141
Quantity Tons: 0.00650
Quantity Waste: 13.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: Fiber or plastic boxes, cartons, cases
Quantity Type: Pounds
State Code: 331

Year: 2019
EM Manifest ID: 269940
Generator EPA ID: CAL000401874
Shipment Date: 2019-01-28
Manifest Number: 012440379FLE
Line Number: 2
Method Code: H141
Quantity Tons: 0.00500
Quantity Waste: 10.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: Fiber or plastic boxes, cartons, cases
Quantity Type: Pounds
State Code: 331

Detail Two:
Year: 2018
EM Manifest ID: 127384
Shipment Date: 8/6/2018
Receipt Date: 8/20/2018
Manifest Number: 011447543FLE
Generator EPA ID: CAL000401874
Name: MARSHALLS 0502
Address: 161 S LAS POSAS STREET
Address 2: Not reported
City: SAN MARCO
Zip: 92078
Telephone: 877-577-2669
Contact: Not reported
Contact Telephone: 766-410-8169
Transporter 1 EPA ID: MNS000110924
Transporter 1 Emergency Number: Not reported
Transporter 2 EPA ID: CAR000175422
Transporter 2 Emergency Number: Not reported
TSDF EPA ID: AZR000515924
TSDF Name: YUMA YES WASTE TRANSFER FACILITY
TSDF Address 1: 2730 E 13TH ST

MARSHALLS 0502 (Continued) **S118236971**

TSDF Address 2:	Not reported
TSDF City:	YUMA
TSDF Zip:	85365-1901
TSDF Telephone:	Not reported

State:

Year:	2018
EM Manifest ID:	127384
Generator EPA ID:	CAL000401874
Shipment Date:	2018-08-06
Manifest Number:	011447543FLE
Line Number:	1
Method Code:	H141
Quantity Tons:	0.07350
Quantity Waste:	147.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Pounds
State Code:	331

Year:	2018
EM Manifest ID:	010110252FLE20170505_D_1
Shipment Date:	5/5/2017
Receipt Date:	5/15/2017
Manifest Number:	010110252FLE
Generator EPA ID:	CAL000401874
Name:	MARSHALLS #M0502
Address:	Not reported
Address 2:	Not reported
City:	Not reported
Zip:	Not reported
Telephone:	Not reported
Contact:	Not reported
Contact Telephone:	Not reported
Transporter 1 EPA ID:	MNS000110924
Transporter 1 Emergency Number:	Not reported
Transporter 2 EPA ID:	CAR000217000
Transporter 2 Emergency Number:	Not reported
TSDF EPA ID:	CAD008364432
TSDF Name:	RHO CHEM LLC
TSDF Address 1:	Not reported
TSDF Address 2:	Not reported
TSDF City:	Not reported
TSDF Zip:	Not reported
TSDF Telephone:	Not reported

Federal:

Year:	2018
EM Manifest ID:	010110252FLE20170505_D_1
Generator EPA ID:	CAL000401874
Shipment Date:	2017-05-05
Manifest Number:	010110252FLE
Line Number:	1
Method Code:	H141
Quantity Tons:	0.00550
Quantity Waste:	11.000000

MARSHALLS 0502 (Continued) **S118236971**

Quantity Unit: P
Number of Containers: 1
Type of Container: NULL
Quantity Type: NULL
Federal Code: D001

Year: 2018
EM Manifest ID: 010110252FLE20170505_D_1
Generator EPA ID: CAL000401874
Shipment Date: 2017-05-05
Manifest Number: 010110252FLE
Line Number: 1
Method Code: H141
Quantity Tons: 0.00550
Quantity Waste: 11.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: NULL
Quantity Type: NULL
Federal Code: D035

Year: 2018
EM Manifest ID: 010110252FLE20170505_D_1
Generator EPA ID: CAL000401874
Shipment Date: 2017-05-05
Manifest Number: 010110252FLE
Line Number: 2
Method Code: H141
Quantity Tons: 0.00150
Quantity Waste: 3.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: NULL
Quantity Type: NULL
Federal Code: D001

State:
Year: 2018
EM Manifest ID: 010110252FLE20170505_D_1
Generator EPA ID: CAL000401874
Shipment Date: 2017-05-05
Manifest Number: 010110252FLE
Line Number: 1
Method Code: H141
Quantity Tons: 0.00550
Quantity Waste: 11.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: NULL
Quantity Type: NULL
State Code: 331

Year: 2018
EM Manifest ID: 010110252FLE20170505_D_1
Generator EPA ID: CAL000401874
Shipment Date: 2017-05-05
Manifest Number: 010110252FLE

MARSHALLS 0502 (Continued) **S118236971**

Line Number:	2
Method Code:	H141
Quantity Tons:	0.00150
Quantity Waste:	3.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
State Code:	331

Year:	2018
EM Manifest ID:	010110252FLE20170505_D_1
Generator EPA ID:	CAL000401874
Shipment Date:	2017-05-05
Manifest Number:	010110252FLE
Line Number:	3
Method Code:	H141
Quantity Tons:	0.03950
Quantity Waste:	79.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
State Code:	331

Year:	2018
EM Manifest ID:	011325324FLE20180212_D_1
Shipment Date:	2/12/2018
Receipt Date:	2/22/2018
Manifest Number:	011325324FLE
Generator EPA ID:	CAL000401874
Name:	MARSHALLS #M0502
Address:	Not reported
Address 2:	Not reported
City:	Not reported
Zip:	Not reported
Telephone:	Not reported
Contact:	Not reported
Contact Telephone:	Not reported
Transporter 1 EPA ID:	MNS000110924
Transporter 1 Emergency Number:	Not reported
Transporter 2 EPA ID:	CAR000217554
Transporter 2 Emergency Number:	Not reported
TSDF EPA ID:	CAD008364432
TSDF Name:	RHO CHEM LLC
TSDF Address 1:	Not reported
TSDF Address 2:	Not reported
TSDF City:	Not reported
TSDF Zip:	Not reported
TSDF Telephone:	Not reported

Federal:

Year:	2018
EM Manifest ID:	011325324FLE20180212_D_1
Generator EPA ID:	CAL000401874
Shipment Date:	2018-02-12
Manifest Number:	011325324FLE

MARSHALLS 0502 (Continued) **S118236971**

Line Number:	1
Method Code:	H141
Quantity Tons:	0.00850
Quantity Waste:	17.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
Federal Code:	D001
Year:	2018
EM Manifest ID:	011325324FLE20180212_D_1
Generator EPA ID:	CAL000401874
Shipment Date:	2018-02-12
Manifest Number:	011325324FLE
Line Number:	1
Method Code:	H141
Quantity Tons:	0.00850
Quantity Waste:	17.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
Federal Code:	D035
Year:	2018
EM Manifest ID:	011325324FLE20180212_D_1
Generator EPA ID:	CAL000401874
Shipment Date:	2018-02-12
Manifest Number:	011325324FLE
Line Number:	2
Method Code:	H141
Quantity Tons:	0.00350
Quantity Waste:	7.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
Federal Code:	D001
Year:	2018
EM Manifest ID:	011325324FLE20180212_D_1
Generator EPA ID:	CAL000401874
Shipment Date:	2018-02-12
Manifest Number:	011325324FLE
Line Number:	3
Method Code:	H141
Quantity Tons:	0.00050
Quantity Waste:	1.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
Federal Code:	D009
State:	
Year:	2018

MARSHALLS 0502 (Continued) **S118236971**

EM Manifest ID:	011325324FLE20180212_D_1
Generator EPA ID:	CAL000401874
Shipment Date:	2018-02-12
Manifest Number:	011325324FLE
Line Number:	1
Method Code:	H141
Quantity Tons:	0.00850
Quantity Waste:	17.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
State Code:	331

Year:	2018
EM Manifest ID:	011325324FLE20180212_D_1
Generator EPA ID:	CAL000401874
Shipment Date:	2018-02-12
Manifest Number:	011325324FLE
Line Number:	2
Method Code:	H141
Quantity Tons:	0.00350
Quantity Waste:	7.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
State Code:	331

Year:	2018
EM Manifest ID:	011325324FLE20180212_D_1
Generator EPA ID:	CAL000401874
Shipment Date:	2018-02-12
Manifest Number:	011325324FLE
Line Number:	3
Method Code:	H141
Quantity Tons:	0.00050
Quantity Waste:	1.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
State Code:	181

Year:	2018
EM Manifest ID:	011325325FLE20180212_D_1
Shipment Date:	2/12/2018
Receipt Date:	3/1/2018
Manifest Number:	011325325FLE
Generator EPA ID:	CAL000401874
Name:	MARSHALLS #M0502
Address:	Not reported
Address 2:	Not reported
City:	Not reported
Zip:	Not reported
Telephone:	Not reported

MARSHALLS 0502 (Continued) **S118236971**

Contact:	Not reported
Contact Telephone:	Not reported
Transporter 1 EPA ID:	MNS000110924
Transporter 1 Emergency Number:	Not reported
Transporter 2 EPA ID:	CAR000175422
Transporter 2 Emergency Number:	Not reported
TSDF EPA ID:	AZR000515924
TSDF Name:	YUMA YES LLC
TSDF Address 1:	Not reported
TSDF Address 2:	Not reported
TSDF City:	Not reported
TSDF Zip:	Not reported
TSDF Telephone:	Not reported

State:

Year:	2018
EM Manifest ID:	011325325FLE20180212_D_1
Generator EPA ID:	CAL000401874
Shipment Date:	2018-02-12
Manifest Number:	011325325FLE
Line Number:	1
Method Code:	H141
Quantity Tons:	0.05550
Quantity Waste:	111.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
State Code:	331

Additional Info:

Year:	2017
Gen EPA ID:	CAL000401874
Shipment Date:	20170505
Creation Date:	6/26/2018 18:30:39
Receipt Date:	20170515
Manifest ID:	010110252FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	CAR000217000
Trans 2 Name:	LA CHIQUITA TRUCKING
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	D035
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0055
Waste Quantity:	11
Quantity Unit:	P
Additional Code 1:	D001
Additional Code 2:	Not reported
Additional Code 3:	Not reported

MARSHALLS 0502 (Continued) **S118236971**

Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20170505
Creation Date:	6/26/2018 18:30:39
Receipt Date:	20170515
Manifest ID:	010110252FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	CAR000217000
Trans 2 Name:	LA CHIQUITA TRUCKING
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0395
Waste Quantity:	79
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20170505
Creation Date:	6/26/2018 18:30:39
Receipt Date:	20170515
Manifest ID:	010110252FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	CAR000217000
Trans 2 Name:	LA CHIQUITA TRUCKING
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	D001
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0015
Waste Quantity:	3
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2016
Gen EPA ID:	CAL000401874

MARSHALLS 0502 (Continued) **S118236971**

Shipment Date:	20151125
Creation Date:	3/2/2016 22:15:14
Receipt Date:	20151203
Manifest ID:	007342539FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	CAD983649880
Trans 2 Name:	PSC ENVIRONMENTAL SERVICES LP
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0725
Waste Quantity:	145
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20151125
Creation Date:	3/2/2016 22:15:14
Receipt Date:	20151203
Manifest ID:	007342539FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	CAD983649880
Trans 2 Name:	PSC ENVIRONMENTAL SERVICES LP
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	D035
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0645
Waste Quantity:	129
Quantity Unit:	P
Additional Code 1:	D001
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20151125
Creation Date:	3/2/2016 22:15:14
Receipt Date:	20151203
Manifest ID:	007342539FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	CAD983649880

MARSHALLS 0502 (Continued) **S118236971**

Trans 2 Name:	PSC ENVIRONMENTAL SERVICES LP
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	D001
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0055
Waste Quantity:	11
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20151125
Creation Date:	3/2/2016 22:15:14
Receipt Date:	20151203
Manifest ID:	007342539FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	CAD983649880
Trans 2 Name:	PSC ENVIRONMENTAL SERVICES LP
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	- Not reported
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	Not reported
Waste Quantity:	Not reported
Quantity Unit:	Not reported
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20150602
Creation Date:	8/20/2015 22:15:40
Receipt Date:	20150604
Manifest ID:	006345044FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	CAD983649880
Trans 2 Name:	PSC ENVIRONMENTAL SERVICES LP
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	D001

MARSHALLS 0502 (Continued) **S118236971**

Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.004
Waste Quantity:	8
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20150602
Creation Date:	8/20/2015 22:15:40
Receipt Date:	20150604
Manifest ID:	006345044FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	CAD983649880
Trans 2 Name:	PSC ENVIRONMENTAL SERVICES LP
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	D035
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.005
Waste Quantity:	10
Quantity Unit:	P
Additional Code 1:	D001
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20150602
Creation Date:	8/20/2015 22:15:40
Receipt Date:	20150604
Manifest ID:	006345044FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	CAD983649880
Trans 2 Name:	PSC ENVIRONMENTAL SERVICES LP
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	122 - Alkaline solution without metals (pH > 12.5
RCRA Code:	D002
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0005
Waste Quantity:	1
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported

MARSHALLS 0502 (Continued) **S118236971**

Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20150602
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	006345044FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	CAD983649880
Trans 2 Name:	PSC ENVIRONMENTAL SERVICES LP
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.062
Waste Quantity:	124
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20150602
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	006345044FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	CAD983649880
Trans 2 Name:	PSC ENVIRONMENTAL SERVICES LP
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0295
Waste Quantity:	59
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20150602
Creation Date:	8/20/2015 22:15:40
Receipt Date:	20150604

MARSHALLS 0502 (Continued) **S118236971**

Manifest ID:	006345044FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	CAD983649880
Trans 2 Name:	PSC ENVIRONMENTAL SERVICES LP
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.005
Waste Quantity:	10
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2015
Gen EPA ID:	CAL000401874
Shipment Date:	20151125
Creation Date:	3/2/2016 22:15:14
Receipt Date:	20151203
Manifest ID:	007342539FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	CAD983649880
Trans 2 Name:	PSC ENVIRONMENTAL SERVICES LP
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	D035
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0645
Waste Quantity:	129
Quantity Unit:	P
Additional Code 1:	D001
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20151125
Creation Date:	3/2/2016 22:15:14
Receipt Date:	20151203
Manifest ID:	007342539FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC

MARSHALLS 0502 (Continued) **S118236971**

Trans 2 EPA ID:	CAD983649880
Trans 2 Name:	PSC ENVIRONMENTAL SERVICES LP
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	- Not reported
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	Not reported
Waste Quantity:	Not reported
Quantity Unit:	Not reported
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20151125
Creation Date:	3/2/2016 22:15:14
Receipt Date:	20151203
Manifest ID:	007342539FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	CAD983649880
Trans 2 Name:	PSC ENVIRONMENTAL SERVICES LP
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0725
Waste Quantity:	145
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20151125
Creation Date:	3/2/2016 22:15:14
Receipt Date:	20151203
Manifest ID:	007342539FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	CAD983649880
Trans 2 Name:	PSC ENVIRONMENTAL SERVICES LP
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics

MARSHALLS 0502 (Continued) **S118236971**

RCRA Code:	D001
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0055
Waste Quantity:	11
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20150602
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	006345044FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	CAD983649880
Trans 2 Name:	PSC ENVIRONMENTAL SERVICES LP
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0205
Waste Quantity:	41
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20150602
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	006345044FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	CAD983649880
Trans 2 Name:	PSC ENVIRONMENTAL SERVICES LP
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.062
Waste Quantity:	124
Quantity Unit:	P
Additional Code 1:	Not reported

MARSHALLS 0502 (Continued) **S118236971**

Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20150602
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	006345044FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	CAD983649880
Trans 2 Name:	PSC ENVIRONMENTAL SERVICES LP
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.001
Waste Quantity:	2
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20150602
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	006345044FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	CAD983649880
Trans 2 Name:	PSC ENVIRONMENTAL SERVICES LP
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0295
Waste Quantity:	59
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20150602
Creation Date:	8/20/2015 22:15:40

MARSHALLS 0502 (Continued) **S118236971**

Receipt Date:	20150604
Manifest ID:	006345044FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	CAD983649880
Trans 2 Name:	PSC ENVIRONMENTAL SERVICES LP
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.005
Waste Quantity:	10
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20150602
Creation Date:	8/20/2015 22:15:40
Receipt Date:	20150604
Manifest ID:	006345044FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	CAD983649880
Trans 2 Name:	PSC ENVIRONMENTAL SERVICES LP
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	122 - Alkaline solution without metals (pH > 12.5
RCRA Code:	D002
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0005
Waste Quantity:	1
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2014
Gen EPA ID:	CAL000401874

Shipment Date:	20141203
Creation Date:	3/19/2015 22:14:50
Receipt Date:	20141212
Manifest ID:	007328858FLE
Trans EPA ID:	MNS000110924

MARSHALLS 0502 (Continued) **S118236971**

Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	CAD983649880
Trans 2 Name:	PSC ENVIRONMENTAL SERVICES OF POMONA LP
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	D035
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0735
Waste Quantity:	147
Quantity Unit:	P
Additional Code 1:	D001
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20141120
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	007328818FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	CAD983649880
Trans 2 Name:	PSC ENVIRONMENTAL SERVICES OF POMONA LP
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	- Not reported
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.022
Waste Quantity:	44
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20141120
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	007328818FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	CAD983649880
Trans 2 Name:	PSC ENVIRONMENTAL SERVICES OF POMONA LP
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported

MARSHALLS 0502 (Continued) **S118236971**

Waste Code Description:	- Not reported
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.046
Waste Quantity:	92
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20141120
Creation Date:	2/11/2015 22:15:10
Receipt Date:	20141201
Manifest ID:	007328818FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	CAD983649880
Trans 2 Name:	PSC ENVIRONMENTAL SERVICES OF POMONA LP
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	D035
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.004
Waste Quantity:	8
Quantity Unit:	P
Additional Code 1:	D001
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20141120
Creation Date:	2/11/2015 22:15:10
Receipt Date:	20141201
Manifest ID:	007328818FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	CAD983649880
Trans 2 Name:	PSC ENVIRONMENTAL SERVICES OF POMONA LP
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	122 - Alkaline solution without metals (pH > 12.5
RCRA Code:	D002
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0005
Waste Quantity:	1
Quantity Unit:	P

MARSHALLS 0502 (Continued) **S118236971**

Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20141120
Creation Date:	2/11/2015 22:15:10
Receipt Date:	20141201
Manifest ID:	007328818FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	CAD983649880
Trans 2 Name:	PSC ENVIRONMENTAL SERVICES OF POMONA LP
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	- Not reported
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.004
Waste Quantity:	8
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20141120
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	007328818FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	CAD983649880
Trans 2 Name:	PSC ENVIRONMENTAL SERVICES OF POMONA LP
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0225
Waste Quantity:	45
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20141120

MARSHALLS 0502 (Continued) **S118236971**

Creation Date:	2/11/2015 22:15:10
Receipt Date:	20141201
Manifest ID:	007328818FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	CAD983649880
Trans 2 Name:	PSC ENVIRONMENTAL SERVICES OF POMONA LP
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	D001
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0045
Waste Quantity:	9
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

CERS:

Name:	MARSHALLS 0502
Address:	161 S LAS POSAS RD
City,State,Zip:	SAN MARCOS, CA 92078
Site ID:	133113
CERS ID:	10491148
CERS Description:	Chemical Storage Facilities

Violations:

Site ID:	133113
Site Name:	Marshalls 0502
Violation Date:	12-21-2016
Citation:	HSC 6.5 Multiple - California Health and Safety Code, Chapter 6.5, Section(s) Multiple
Violation Description:	Hazardous Waste Generator Program - Administration/Documentation - General
Violation Notes:	Returned to compliance on 01/10/2017. Inspection Sequence ID:5556005;Violation:HMD0138 Manifest signed by the TSDF not available for inspection. 22 CCR 66262.40(a)
Violation Division:	San Diego County Department of Env Health
Violation Program:	HW
Violation Source:	CERS,

Evaluation:

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	02-28-2022
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Inspector: Shoyeb Abida Inspection ID:6798213
Eval Division:	San Diego County Department of Env Health
Eval Program:	HW
Eval Source:	CERS,

MARSHALLS 0502 (Continued) **S118236971**

Eval General Type: Compliance Evaluation Inspection
Eval Date: 11-25-2014
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Inspector: Marquez Marie Inspection ID:5176303
Eval Division: San Diego County Department of Env Health
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 12-21-2016
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Inspector: Zmily Zanalee Inspection ID:5556005
Eval Division: San Diego County Department of Env Health
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 10-12-2018
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Inspector: Kieu Bridget Inspection ID:6070473
Eval Division: San Diego County Department of Env Health
Eval Program: HW
Eval Source: CERS,

Coordinates:
Site ID: 133113
Facility Name: Marshalls 0502
Env Int Type Code: HWG
Program ID: 10491148
Coord Name: Not reported
Ref Point Type Desc: Center of a facility or station.,
Latitude: 33.142080
Longitude: -117.192030

Affiliation:
Affiliation Type Desc: Facility Mailing Address
Entity Name: Mailing Address
Entity Title: Not reported
Affiliation Address: 770 Cochituate Road
Affiliation City: Framingham
Affiliation State: MA
Affiliation Country: Not reported
Affiliation Zip: 01701
Affiliation Phone: ,

Affiliation Type Desc: Legal Owner
Entity Name: Marshalls of CA, LLC
Entity Title: Not reported
Affiliation Address: 770 Cochituate Road
Affiliation City: Framingham
Affiliation State: MA
Affiliation Country: United States
Affiliation Zip: 01701

MARSHALLS 0502 (Continued) **S118236971**

Affiliation Phone: (774) 308-3651,

Affiliation Type Desc: Operator
Entity Name: Marshalls
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: (774) 308-3651,

Affiliation Type Desc: Document Preparer
Entity Name: Susan Allen
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Affiliation Type Desc: CUPA District
Entity Name: San Diego County Env Health Qlty
Entity Title: Not reported
Affiliation Address: PO Box 129261
Affiliation City: San Diego
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 92112-9261
Affiliation Phone: (858) 505-6880,

Affiliation Type Desc: Environmental Contact
Entity Name: Paul Kangas
Entity Title: Not reported
Affiliation Address: 770 Cochituate Road
Affiliation City: Framingham
Affiliation State: MA
Affiliation Country: Not reported
Affiliation Zip: 01701
Affiliation Phone: ,

Affiliation Type Desc: Identification Signer
Entity Name: Paul Kangas
Entity Title: SVP, Chief Compliance Officer
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Affiliation Type Desc: Parent Corporation
Entity Name: The TJX Companies, Inc.
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported

MARSHALLS 0502 (Continued) **S118236971**

Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,

HWTS:

Name:	MARSHALLS 0502
Address:	161 S LAS POSAS RD
Address 2:	Not reported
City,State,Zip:	SAN MARCOS, CA 92078
EPA ID:	CAL000401874
Inactive Date:	Not reported
Create Date:	11/04/2014
Last Act Date:	Not reported
Mailing Name:	Not reported
Mailing Address:	770 COCHITUATE RD
Mailing Address 2:	Not reported
Mailing City,State,Zip:	FRAMINGHAM, MA 1701
Owner Name:	MARSHALLS OF CA LLC
Owner Address:	770 COCHITUATE RD
Owner Address 2:	Not reported
Owner City,State,Zip:	FRAMINGHAM, MA 1701
Contact Name:	PAUL KANGAS
Contact Address:	770 COCHITUATE RD
Contact Address 2:	Not reported
City,State,Zip:	FRAMINGHAM, MA 1701
Facility Status:	Active
Facility Type:	PERMANENT
Category:	STATE
Latitude:	33.14239
Longitude:	-117.1918636

NAICS:

EPA ID:	CAL000401874
Create Date:	2014-11-04 15:08:17.407
NAICS Code:	44814
NAICS Description:	Family Clothing Stores
Issued EPA ID Date:	2014-11-04 15:08:17.40300
Inactive Date:	Not reported
Facility Name:	MARSHALLS 0502
Facility Address:	161 S LAS POSAS RD
Facility Address 2:	Not reported
Facility City:	SAN MARCOS
Facility County:	Not reported
Facility State:	CA
Facility Zip:	920782419

W140 NW 1/8-1/4 0.238 mi. 1258 ft. | **MARSHALLS 0502**
161 S LAS POSAS RD
SAN MARCOS, CA 92078
Site 4 of 13 in cluster W

RCRA NonGen / NLR | **1024847182**
CAL000401874

Relative: Higher
Actual: 556 ft.

RCRA Listings:

Date Form Received by Agency:		20141104
Handler Name:	MARSHALLS 0502	
Handler Address:		161 S LAS POSAS RD
Handler City,State,Zip:		SAN MARCOS, CA 92078-2419
EPA ID:		CAL000401874
Contact Name:		PAUL KANGAS
Contact Address:		770 COCHITUATE RD
Contact City,State,Zip:		FRAMINGHAM, MA 01701
Contact Telephone:		774-308-3651
Contact Fax:		774-308-3635
Contact Email:		PAUL_KANGAS@TJX.COM
Contact Title:		Not reported
EPA Region:		09
Land Type:		Not reported
Federal Waste Generator Description:		Not a generator, verified
Non-Notifier:		Not reported
Biennial Report Cycle:		Not reported
Accessibility:		Not reported
Active Site Indicator:		Handler Activities
State District Owner:		Not reported
State District:		Not reported
Mailing Address:		770 COCHITUATE RD
Mailing City,State,Zip:		FRAMINGHAM, MA 01701
Owner Name:	MARSHALLS OF CA LLC	
Owner Type:		Other
Operator Name:	PAUL KANGAS	
Operator Type:		Other
Short-Term Generator Activity:		No
Importer Activity:		No
Mixed Waste Generator:		No
Transporter Activity:		No
Transfer Facility Activity:		No
Recycler Activity with Storage:		No
Small Quantity On-Site Burner Exemption:		No
Smelting Melting and Refining Furnace Exemption:		No
Underground Injection Control:		No
Off-Site Waste Receipt:		No
Universal Waste Indicator:		Yes
Universal Waste Destination Facility:		Yes
Federal Universal Waste:		No
Active Site Fed-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site Converter Treatment storage and Disposal Facility:		Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site State-Reg Handler:		---
Federal Facility Indicator:		Not reported
Hazardous Secondary Material Indicator:		N
Sub-Part K Indicator:		Not reported
Commercial TSD Indicator:		No
Treatment Storage and Disposal Type:		Not reported
2018 GPRA Permit Baseline:		Not on the Baseline
2018 GPRA Renewals Baseline:		Not on the Baseline
Permit Renewals Workload Universe:		Not reported

MARSHALLS 0502 (Continued) **1024847182**

Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20180906
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name: MARSHALLS OF CA LLC	
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	770 COCHITUATE RD
Owner/Operator City,State,Zip:	FRAMINGHAM, MA 01701
Owner/Operator Telephone:	774-308-3651
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name: PAUL KANGAS	
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	770 COCHITUATE RD
Owner/Operator City,State,Zip:	FRAMINGHAM, MA 01701
Owner/Operator Telephone:	774-308-3651
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

MARSHALLS 0502 (Continued) **1024847182**

Historic Generators:
Receive Date: 20141104
Handler Name: MARSHALLS 0502
Federal Waste Generator Description: Not a generator, verified
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Code: 44814
NAICS Description: FAMILY CLOTHING STORES

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

X141 **SIGNET - ARMORLITE INC** **HIST UST** **U001572228**
NNE **130 N BINGHAM DRIVE** **NPDES** **N/A**
1/8-1/4 **SAN MARCOS, CA 92069** **CIWQS**
0.238 mi.
1259 ft. **Site 1 of 3 in cluster X**

Relative:
Higher

Actual:
557 ft.

HIST UST:
Name: SIGNET - ARMORLITE INC
Address: 130 N BINGHAM DRIVE
City,State,Zip: SAN MARCOS, CA 92069
File Number: 0002B535
URL: http://geotracker.waterboards.ca.gov/ustpdfs/pdf/0002B535.pdf
Region: STATE
Facility ID: 00000058926
Facility Type: Not reported
Other Type: MANUFACTURING
Contact Name: RICHARD ORMSBY - PRESIDENT
Telephone: 6197444000
Owner Name: JEPSON CORPORATION
Owner Address: 340 W. BUTTERFIELD RD., SUITE
Owner City,St,Zip: ELMHURST, IL 60126
Total Tanks: 0001

Tank Num: 001
Container Num: 1
Year Installed: 1972
Tank Capacity: 00003000
Tank Used for: PRODUCT
Type of Fuel: DIESEL
Container Construction Thickness: Not reported
Leak Detection: None

SIGNET - ARMORLITE INC (Continued) **U001572228**

Click here for Geo Tracker PDF:

NPDES:

Name:	DAVIA VILLAGE
Address:	130 NORTH BINGHAM DRIVE
City,State,Zip:	SAN MARCOS, CA 92069
Facility Status:	Not reported
NPDES Number:	Not reported
Region:	Not reported
Agency Number:	Not reported
Regulatory Measure ID:	Not reported
Place ID:	Not reported
Order Number:	Not reported
WDID:	9 37C372390
Regulatory Measure Type:	Construction
Program Type:	Not reported
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Discharge Address:	Not reported
Discharge Name:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
Status:	Terminated
Status Date:	08/30/2017
Operator Name:	Milano Holdings Inc
Operator Address:	160 Industrial Street
Operator City:	San Marcos
Operator State:	California
Operator Zip:	92078

NPDES as of 03/2018:

NPDES Number:	Not reported
Status:	Not reported
Agency Number:	Not reported
Region:	9
Regulatory Measure ID:	452032
Order Number:	Not reported
Regulatory Measure Type:	Construction
Place ID:	Not reported
WDID:	9 37C372390
Program Type:	Not reported
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	Not reported
Discharge Address:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
Received Date:	03/02/2015
Processed Date:	03/12/2015
Status:	Active
Status Date:	03/12/2015

SIGNET - ARMORLITE INC (Continued) **U001572228**

Place Size:	11.79
Place Size Unit:	Acres
Contact:	Bruno Salvadori
Contact Title:	Vice President
Contact Phone:	760-471-2365
Contact Phone Ext:	Not reported
Contact Email:	brunosalvadori111@gmail.com
Operator Name:	Milano Holdings Inc
Operator Address:	160 Industrial Street
Operator City:	San Marcos
Operator State:	California
Operator Zip:	92078
Operator Contact:	Bruno Salvadori
Operator Contact Title:	Vice President
Operator Contact Phone:	760-471-2365
Operator Contact Phone Ext:	Not reported
Operator Contact Email:	brunosalvadori111@gmail.com
Operator Type:	Private Business
Developer:	Milano Holdings Inc
Developer Address:	160 Industrial Street
Developer City:	San Marcos
Developer State:	California
Developer Zip:	92078
Developer Contact:	Bruno Salvadori
Developer Contact Title:	Vice President
Constype Linear Utility Ind:	N
Emergency Phone:	Not reported
Emergency Phone Ext:	Not reported
Constype Above Ground Ind:	N
Constype Below Ground Ind:	N
Constype Cable Line Ind:	N
Constype Comm Line Ind:	N
Constype Commertial Ind:	Y
Constype Electrical Line Ind:	N
Constype Gas Line Ind:	N
Constype Industrial Ind:	N
Constype Other Description:	Not reported
Constype Other Ind:	N
Constype Recons Ind:	N
Constype Residential Ind:	Y
Constype Transport Ind:	N
Constype Utility Description:	Not reported
Constype Utility Ind:	N
Constype Water Sewer Ind:	N
Dir Discharge Uswater Ind:	N
Receiving Water Name:	San Marcos Creek
Certifier:	Bruno Salvadori
Certifier Title:	Vice President
Certification Date:	02-MAR-15
Primary Sic:	Not reported
Secondary Sic:	Not reported
Tertiary Sic:	Not reported
NPDES Number:	CAS000002
Status:	Terminated
Agency Number:	0
Region:	9

SIGNET - ARMORLITE INC (Continued) **U001572228**

Regulatory Measure ID:	452032
Order Number:	2009-0009-DWQ
Regulatory Measure Type:	Enrollee
Place ID:	Not reported
WDID:	9 37C372390
Program Type:	Construction
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	03/12/2015
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	01/20/2017
Discharge Name:	Milano Holdings Inc
Discharge Address:	160 Industrial Street
Discharge City:	San Marcos
Discharge State:	California
Discharge Zip:	92078
Received Date:	Not reported
Processed Date:	Not reported
Status:	Not reported
Status Date:	Not reported
Place Size:	Not reported
Place Size Unit:	Not reported
Contact:	Not reported
Contact Title:	Not reported
Contact Phone:	Not reported
Contact Phone Ext:	Not reported
Contact Email:	Not reported
Operator Name:	Not reported
Operator Address:	Not reported
Operator City:	Not reported
Operator State:	Not reported
Operator Zip:	Not reported
Operator Contact:	Not reported
Operator Contact Title:	Not reported
Operator Contact Phone:	Not reported
Operator Contact Phone Ext:	Not reported
Operator Contact Email:	Not reported
Operator Type:	Not reported
Developer:	Not reported
Developer Address:	Not reported
Developer City:	Not reported
Developer State:	Not reported
Developer Zip:	Not reported
Developer Contact:	Not reported
Developer Contact Title:	Not reported
Constype Linear Utility Ind:	Not reported
Emergency Phone:	Not reported
Emergency Phone Ext:	Not reported
Constype Above Ground Ind:	Not reported
Constype Below Ground Ind:	Not reported
Constype Cable Line Ind:	Not reported
Constype Comm Line Ind:	Not reported
Constype Commertial Ind:	Not reported
Constype Electrical Line Ind:	Not reported
Constype Gas Line Ind:	Not reported
Constype Industrial Ind:	Not reported
Constype Other Description:	Not reported
Constype Other Ind:	Not reported

SIGNET - ARMORLITE INC (Continued) **U001572228**

Constype Recons Ind:	Not reported
Constype Residential Ind:	Not reported
Constype Transport Ind:	Not reported
Constype Utility Description:	Not reported
Constype Utility Ind:	Not reported
Constype Water Sewer Ind:	Not reported
Dir Discharge Uswater Ind:	Not reported
Receiving Water Name:	Not reported
Certifier:	Not reported
Certifier Title:	Not reported
Certification Date:	Not reported
Primary Sic:	Not reported
Secondary Sic:	Not reported
Tertiary Sic:	Not reported

CIWQS:

Name:	DAVIA VILLAGE
Address:	130 NORTH BINGHAM DRIVE
City,State,Zip:	SAN MARCOS, CA 92069
Agency:	Milano Holdings Inc
Agency Address:	160 Industrial Street Suite 200, San Marcos, CA 92078
Place/Project Type:	Construction - Commercial, Residential
SIC/NAICS:	Not reported
Region:	9
Program:	CONSTW
Regulatory Measure Status:	Terminated
Regulatory Measure Type:	Storm water construction
Order Number:	2009-0009-DWQ
WDID:	9 37C372390
NPDES Number:	CAS000002
Adoption Date:	Not reported
Effective Date:	03/12/2015
Termination Date:	01/20/2017
Expiration/Review Date:	Not reported
Design Flow:	Not reported
Major/Minor:	Not reported
Complexity:	Not reported
TTWQ:	Not reported
Enforcement Actions within 5 years:	0
Violations within 5 years:	0
Latitude:	33.14472
Longitude:	-117.185991

W142 **BED, BATH AND BEYOND #1137** **San Diego Co. HMMD** **S113799437**
NW **165 S LAS POSAS RD** **CERS HAZ WASTE** **N/A**
1/8-1/4 **SAN MARCOS, CA 92078** **HAZNET**
0.239 mi. **CERS**
1261 ft. **Site 5 of 13 in cluster W** **HWTS**

Relative:
Higher

Actual:
557 ft.

HMMD SAN DIEGO:

Name:	BED, BATH AND BEYOND #1137
Address:	165 S LAS POSAS RD
City,State,Zip:	SAN MARCOS, CA 92078-2419
Permit Number:	Not reported
Business Type:	Not reported
EPA Id Number:	CAL000363032

BED, BATH AND BEYOND #1137 (Continued) **S113799437**

APN:	Not reported
Last HMMD Inspection:	Not reported
Facility Telephone:	760-744-5101
Permit Status:	Permit Renewed
Permit Expiration:	Not reported
Date Last Updated:	01/27/2022
Facility Owner:	Not reported
Facility Mailing Address:	650 LIBERTY AVE, UNION, NJ 07083
Facility Mailing City:	Not reported
Facility Mailing State:	Not reported
Facility Mailing Zip:	Not reported
UST Owner:	N
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Y
Treat Haz Waste:	N
Generate Medical Waste:	Not reported

Waste and Materials:

Record ID:	DEH2012-HUPFP-216912
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2018-HWAST-0145828
Trade Secret:	N
Hazardous Material Type:	Not reported
Last Updated:	2020-02-07T07:00:41.000
Chemical Name:	VARIOUS AEROSOLS
Common Name:	WASTE AEROSOLS
Case Number:	Not reported

Record ID:	DEH2012-HUPFP-216912
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2018-HWAST-0145829
Trade Secret:	N
Hazardous Material Type:	Not reported
Last Updated:	2020-02-07T07:00:41.000
Chemical Name:	CORROSIVE LIQUIDS, BASIC
Common Name:	WASTE CORROSIVE LIQUIDS
Case Number:	Not reported

Record ID:	DEH2012-HUPFP-216912
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2018-HWAST-0145830
Trade Secret:	N
Hazardous Material Type:	Not reported
Last Updated:	2020-02-07T07:00:41.000
Chemical Name:	CORROSIVE LIQUIDS, ACIDIC
Common Name:	WASTE CORROSIVE LIQUIDS
Case Number:	Not reported

Record ID:	DEH2012-HUPFP-216912
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2018-HWAST-0145831
Trade Secret:	N

BED, BATH AND BEYOND #1137 (Continued) **S113799437**

Hazardous Material Type: Not reported
Last Updated: 2020-02-07T07:00:41.000
Chemical Name: FLAMMABLE LIQUIDS
Common Name: WASTE FLAMMABLE LIQUIDS
Case Number: Not reported

Record ID: DEH2012-HUPFP-216912
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HWAST-0145832
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2020-02-07T07:00:41.000
Chemical Name: Oxidizing Liquid
Common Name: WASTE OXIDIZING LIQUIDS
Case Number: Not reported

Record ID: DEH2012-HUPFP-216912
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HWAST-0145836
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2020-02-07T07:00:41.000
Chemical Name: Broken Fluorescent Bulbs
Common Name: Hazardous Waste Solid, Mercury
Case Number: Not reported

Record ID: DEH2012-HUPFP-216912
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HWAST-0145833
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2020-02-07T07:00:41.000
Chemical Name: TOXIC LIQUIDS
Common Name: WASTE TOXIC LIQUIDS
Case Number: Not reported

Record ID: DEH2012-HUPFP-216912
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HWAST-0145834
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2020-02-07T07:00:41.000
Chemical Name: Toxic Solids
Common Name: WASTE TOXIC SOLIDS
Case Number: Not reported

Record ID: DEH2012-HUPFP-216912
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HWAST-0223188
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2021-04-30T00:48:57.000

BED, BATH AND BEYOND #1137 (Continued) **S113799437**

Chemical Name: VARIOUS AEROSOLS
Common Name: WASTE AEROSOLS
Case Number: Not reported

Record ID: DEH2012-HUPFP-216912
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HWAST-0223189
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2021-04-30T00:48:57.000
Chemical Name: CORROSIVE LIQUIDS, BASIC
Common Name: WASTE CORROSIVE LIQUIDS
Case Number: Not reported

Record ID: DEH2012-HUPFP-216912
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HWAST-0223190
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2021-04-30T00:48:57.000
Chemical Name: CORROSIVE LIQUIDS, ACIDIC
Common Name: WASTE CORROSIVE LIQUIDS
Case Number: Not reported

Record ID: DEH2012-HUPFP-216912
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HWAST-0223191
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2021-04-30T00:48:57.000
Chemical Name: FLAMMABLE LIQUIDS
Common Name: WASTE FLAMMABLE LIQUIDS
Case Number: Not reported

Record ID: DEH2012-HUPFP-216912
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HWAST-0223192
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2021-04-30T00:48:57.000
Chemical Name: Oxidizing Liquid
Common Name: WASTE OXIDIZING LIQUIDS
Case Number: Not reported

Record ID: DEH2012-HUPFP-216912
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HWAST-0223193
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2021-04-30T00:48:57.000
Chemical Name: TOXIC LIQUIDS
Common Name: WASTE TOXIC LIQUIDS

BED, BATH AND BEYOND #1137 (Continued) **S113799437**

Case Number: Not reported

Record ID: DEH2012-HUPFP-216912
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HWAST-0223194
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2021-04-30T00:48:57.000
Chemical Name: Toxic Solids
Common Name: WASTE TOXIC SOLIDS
Case Number: Not reported

Record ID: DEH2012-HUPFP-216912
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HWAST-0223195
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2021-04-30T00:48:57.000
Chemical Name: Lighters
Common Name: Waste Lighters
Case Number: Not reported

Record ID: DEH2012-HUPFP-216912
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HWAST-0223196
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2021-04-30T00:48:57.000
Chemical Name: Broken Fluorescent Bulbs
Common Name: Hazardous Waste Solid, Mercury
Case Number: Not reported

Record ID: DEH2012-HUPFP-216912
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HWAST-0145835
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2020-02-07T07:00:41.000
Chemical Name: Lighters
Common Name: Waste Lighters
Case Number: Not reported

Record ID: DEH2012-HUPFP-216912
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2021-HWAST-0269122
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2022-01-27T02:32:08.000
Chemical Name: CORROSIVE LIQUIDS, BASIC
Common Name: WASTE CORROSIVE LIQUIDS
Case Number: Not reported

BED, BATH AND BEYOND #1137 (Continued) **S113799437**

Record ID:	DEH2012-HUPFP-216912
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2021-HWAST-0269129
Trade Secret:	N
Hazardous Material Type:	Not reported
Last Updated:	2022-01-27T02:32:08.000
Chemical Name:	Broken Fluorescent Bulbs
Common Name:	Hazardous Waste Solid, Mercury
Case Number:	Not reported

Record ID:	DEH2012-HUPFP-216912
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2017-HWAST-0110529
Trade Secret:	N
Hazardous Material Type:	Not reported
Last Updated:	2018-01-18T02:30:55.000
Chemical Name:	VARIOUS AEROSOLS
Common Name:	WASTE AEROSOLS
Case Number:	Not reported

Record ID:	DEH2012-HUPFP-216912
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2017-HWAST-0110530
Trade Secret:	N
Hazardous Material Type:	Not reported
Last Updated:	2018-01-18T02:30:55.000
Chemical Name:	CORROSIVE LIQUIDS, BASIC
Common Name:	WASTE CORROSIVE LIQUIDS
Case Number:	Not reported

Record ID:	DEH2012-HUPFP-216912
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2017-HWAST-0110531
Trade Secret:	N
Hazardous Material Type:	Not reported
Last Updated:	2018-01-18T02:30:55.000
Chemical Name:	CORROSIVE LIQUIDS, ACIDIC
Common Name:	WASTE CORROSIVE LIQUIDS
Case Number:	Not reported

Record ID:	DEH2012-HUPFP-216912
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2017-HWAST-0110532
Trade Secret:	N
Hazardous Material Type:	Not reported
Last Updated:	2018-01-18T02:30:55.000
Chemical Name:	FLAMMABLE LIQUIDS
Common Name:	WASTE FLAMMABLE LIQUIDS
Case Number:	Not reported

Record ID:	DEH2012-HUPFP-216912
Permit Status:	Permit Renewed

BED, BATH AND BEYOND #1137 (Continued) **S113799437**

Active Permit: Y
Child Record Id: DEH2017-HWAST-0110533
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2018-01-18T02:30:55.000
Chemical Name: Oxidizing Liquid
Common Name: WASTE OXIDIZING LIQUIDS
Case Number: Not reported

Record ID: DEH2012-HUPFP-216912
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HWAST-0110534
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2018-01-18T02:30:55.000
Chemical Name: TOXIC LIQUIDS
Common Name: WASTE TOXIC LIQUIDS
Case Number: Not reported

Record ID: DEH2012-HUPFP-216912
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HWAST-0110535
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2018-01-18T02:30:55.000
Chemical Name: Toxic Solids
Common Name: WASTE TOXIC SOLIDS
Case Number: Not reported

Record ID: DEH2012-HUPFP-216912
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HWAST-0110536
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2018-01-18T02:30:55.000
Chemical Name: Lighters
Common Name: Waste Lighters
Case Number: Not reported

Record ID: DEH2012-HUPFP-216912
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HWAST-0110537
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2018-01-18T02:30:55.000
Chemical Name: Broken Fluorescent Bulbs
Common Name: Hazardous Waste Solid, Mercury
Case Number: Not reported

Record ID: DEH2012-HUPFP-216912
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2021-HWAST-0269121

BED, BATH AND BEYOND #1137 (Continued) **S113799437**

Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2022-01-27T02:32:08.000
Chemical Name: VARIOUS AEROSOLS
Common Name: WASTE AEROSOLS
Case Number: Not reported

Record ID: DEH2012-HUPFP-216912
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2021-HWAST-0269123
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2022-01-27T02:32:08.000
Chemical Name: CORROSIVE LIQUIDS, ACIDIC
Common Name: WASTE CORROSIVE LIQUIDS
Case Number: Not reported

Record ID: DEH2012-HUPFP-216912
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2021-HWAST-0269124
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2022-01-27T02:32:08.000
Chemical Name: FLAMMABLE LIQUIDS
Common Name: WASTE FLAMMABLE LIQUIDS
Case Number: Not reported

Record ID: DEH2012-HUPFP-216912
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2021-HWAST-0269125
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2022-01-27T02:32:08.000
Chemical Name: Oxidizing Liquid
Common Name: WASTE OXIDIZING LIQUIDS
Case Number: Not reported

Record ID: DEH2012-HUPFP-216912
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2021-HWAST-0269126
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2022-01-27T02:32:08.000
Chemical Name: TOXIC LIQUIDS
Common Name: WASTE TOXIC LIQUIDS
Case Number: Not reported

Record ID: DEH2012-HUPFP-216912
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2021-HWAST-0269127
Trade Secret: N
Hazardous Material Type: Not reported

BED, BATH AND BEYOND #1137 (Continued) **S113799437**

Last Updated: 2022-01-27T02:32:08.000
Chemical Name: Toxic Solids
Common Name: WASTE TOXIC SOLIDS
Case Number: Not reported

Record ID: DEH2012-HUPFP-216912
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2021-HWAST-0269128
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2022-01-27T02:32:08.000
Chemical Name: Lighters
Common Name: Waste Lighters
Case Number: Not reported

CERS HAZ WASTE:
Name: BED, BATH AND BEYOND #1137
Address: 165 S LAS POSAS RD
City,State,Zip: SAN MARCOS, CA 92078
Site ID: 97939
CERS ID: 10169639
CERS Description: Hazardous Waste Generator

HAZNET:
Name: BED BATH & BEYOND #1137
Address: 165 S LAS POSAS RD
Address 2: Not reported
City,State,Zip: SAN MARCOS, CA 920782419
Contact: ASHLEY CAMPBELL
Telephone: 2818420809
Mailing Name: Not reported
Mailing Address: 9950 CHEMICAL ROAD

Year: 2021
Gepaid: CAL000363032
TSD EPA ID: CAD008364432
CA Waste Code: 214 - Unspecified solvent mixture
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.0035

Year: 2021
Gepaid: CAL000363032
TSD EPA ID: AZR000515924
CA Waste Code: 331 - Off-specification, aged or surplus organics
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.0205

Year: 2021
Gepaid: CAL000363032
TSD EPA ID: CAD008364432
CA Waste Code: 331 - Off-specification, aged or surplus organics
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No

BED, BATH AND BEYOND #1137 (Continued) **S113799437**

	Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.0275
Year:	2021
Gepaid:	CAL000363032
TSD EPA ID:	CAD008364432
CA Waste Code:	791 - Liquids with pH <= 2
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.0075
Year:	2020
Gepaid:	CAL000363032
TSD EPA ID:	CAD008302903
CA Waste Code:	331 - Off-specification, aged or surplus organics
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.0675
Year:	2020
Gepaid:	CAL000363032
TSD EPA ID:	CAD008302903
CA Waste Code:	122 - Alkaline solution without metals pH >= 12.5
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.0175
Year:	2020
Gepaid:	CAL000363032
TSD EPA ID:	CAD008364432
CA Waste Code:	122 - Alkaline solution without metals pH >= 12.5
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.0045
Year:	2020
Gepaid:	CAL000363032
TSD EPA ID:	AZR000515924
CA Waste Code:	331 - Off-specification, aged or surplus organics
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.0115
Year:	2020
Gepaid:	CAL000363032
TSD EPA ID:	CAD008364432
CA Waste Code:	331 - Off-specification, aged or surplus organics
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.0235
Year:	2020
Gepaid:	CAL000363032
TSD EPA ID:	CAD008364432
CA Waste Code:	141 - Off-specification, aged or surplus inorganics
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)

BED, BATH AND BEYOND #1137 (Continued) **S113799437**

Tons: 0.0005

Click this hyperlink while viewing on your computer to access
42 additional CA HAZNET: record(s) in the EDR Site Report.

Detail Two:

Year:	2020
EM Manifest ID:	82ca9176-56e1-4d73-a066-c1ffbe10469e
Shipment Date:	9/15/2020
Receipt Date:	9/24/2020
Manifest Number:	002910360PSC
Generator EPA ID:	CAL000363032
Name:	BB&B # 1137
Address:	165 S LAS POSAS RD
Address 2:	Not reported
City:	SAN MARCOS
Zip:	92078
Telephone:	877-577-2669
Contact:	Not reported
Contact Telephone:	323-776-6233
Transporter 1 EPA ID:	MNS000110924
Transporter 1 Emergency Number:	Not reported
Transporter 2 EPA ID:	CAR000216770
Transporter 2 Emergency Number:	Not reported
TSDF EPA ID:	CAD008364432
TSDF Name:	Rho Chem LLC
TSDF Address 1:	425 Isis Ave.
TSDF Address 2:	Not reported
TSDF City:	Inglewood
TSDF Zip:	90301
TSDF Telephone:	Not reported

Federal:

Year:	2020
EM Manifest ID:	82ca9176-56e1-4d73-a066-c1ffbe10469e
Generator EPA ID:	CAL000363032
Shipment Date:	2020-09-15
Manifest Number:	002910360PSC
Line Number:	1
Method Code:	H141
Quantity Tons:	0.01750
Quantity Waste:	35.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
Federal Code:	D008

Year:	2020
EM Manifest ID:	82ca9176-56e1-4d73-a066-c1ffbe10469e
Generator EPA ID:	CAL000363032
Shipment Date:	2020-09-15
Manifest Number:	002910360PSC
Line Number:	1
Method Code:	H141
Quantity Tons:	0.01750

BED, BATH AND BEYOND #1137 (Continued) **S113799437**

Quantity Waste: 35.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: Fiber or plastic boxes, cartons, cases
Quantity Type: Pounds
Federal Code: D011

Year: 2020
EM Manifest ID: 82ca9176-56e1-4d73-a066-c1ffbe10469e
Generator EPA ID: CAL000363032
Shipment Date: 2020-09-15
Manifest Number: 002910360PSC
Line Number: 1
Method Code: H141
Quantity Tons: 0.01750
Quantity Waste: 35.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: Fiber or plastic boxes, cartons, cases
Quantity Type: Pounds
Federal Code: D016

Year: 2020
EM Manifest ID: 82ca9176-56e1-4d73-a066-c1ffbe10469e
Generator EPA ID: CAL000363032
Shipment Date: 2020-09-15
Manifest Number: 002910360PSC
Line Number: 1
Method Code: H141
Quantity Tons: 0.01750
Quantity Waste: 35.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: Fiber or plastic boxes, cartons, cases
Quantity Type: Pounds
Federal Code: D006

State:
Year: 2020
EM Manifest ID: 82ca9176-56e1-4d73-a066-c1ffbe10469e
Generator EPA ID: CAL000363032
Shipment Date: 2020-09-15
Manifest Number: 002910360PSC
Line Number: 1
Method Code: H141
Quantity Tons: 0.01750
Quantity Waste: 35.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: Fiber or plastic boxes, cartons, cases
Quantity Type: Pounds
State Code: 331

Year: 2020
EM Manifest ID: 82ca9176-56e1-4d73-a066-c1ffbe10469e
Generator EPA ID: CAL000363032
Shipment Date: 2020-09-15

BED, BATH AND BEYOND #1137 (Continued) **S113799437**

Manifest Number:	002910360PSC
Line Number:	1
Method Code:	H141
Quantity Tons:	0.01750
Quantity Waste:	35.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
State Code:	331

Year:	2020
EM Manifest ID:	869089
Shipment Date:	8/6/2019
Receipt Date:	8/29/2019
Manifest Number:	002430407PSC
Generator EPA ID:	CAL000363032
Name:	BB&B # 1137
Address:	165 S LAS POSAS RD
Address 2:	Not reported
City:	SAN MARCOS
Zip:	92078
Telephone:	877-577-2669
Contact:	Not reported
Contact Telephone:	775-575-2760
Transporter 1 EPA ID:	MNS000110924
Transporter 1 Emergency Number:	Not reported
Transporter 2 EPA ID:	MOD095038998
Transporter 2 Emergency Number:	Not reported
TSDF EPA ID:	NVD980895338
TSDF Name:	21st Century Environmental Management of Nevada, LLC
TSDF Address 1:	2095 Newlands Drive East
TSDF Address 2:	Not reported
TSDF City:	Fernley
TSDF Zip:	89408
TSDF Telephone:	Not reported

Federal:

Year:	2020
EM Manifest ID:	869089
Generator EPA ID:	CAL000363032
Shipment Date:	2019-08-06
Manifest Number:	002430407PSC
Line Number:	2
Method Code:	H141
Quantity Tons:	0.01100
Quantity Waste:	22.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
Federal Code:	D001

State:

Year:	2020
EM Manifest ID:	869089

BED, BATH AND BEYOND #1137 (Continued) **S113799437**

Generator EPA ID:	CAL000363032
Shipment Date:	2019-08-06
Manifest Number:	002430407PSC
Line Number:	2
Method Code:	H141
Quantity Tons:	0.01100
Quantity Waste:	22.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
State Code:	331

Year:	2020
EM Manifest ID:	889600
Shipment Date:	8/6/2019
Receipt Date:	8/21/2019
Manifest Number:	002430379PSC
Generator EPA ID:	CAL000363032
Name:	BB&B # 1137
Address:	165 S LAS POSAS RD
Address 2:	Not reported
City:	SAN MARCOS
Zip:	92078
Telephone:	877-577-2669
Contact:	Not reported
Contact Telephone:	323-776-6233
Transporter 1 EPA ID:	MNS000110924
Transporter 1 Emergency Number:	Not reported
Transporter 2 EPA ID:	CAR000217554
Transporter 2 Emergency Number:	Not reported
TSDF EPA ID:	CAD008364432
TSDF Name:	Rho Chem LLC
TSDF Address 1:	425 Isis Ave.
TSDF Address 2:	Not reported
TSDF City:	Inglewood
TSDF Zip:	90301
TSDF Telephone:	Not reported

Federal:

Year:	2020
EM Manifest ID:	889600
Generator EPA ID:	CAL000363032
Shipment Date:	2019-08-06
Manifest Number:	002430379PSC
Line Number:	1
Method Code:	H141
Quantity Tons:	0.02900
Quantity Waste:	58.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Pounds
Federal Code:	D006

Year:	2020
EM Manifest ID:	889600

BED, BATH AND BEYOND #1137 (Continued) **S113799437**

Generator EPA ID:	CAL000363032
Shipment Date:	2019-08-06
Manifest Number:	002430379PSC
Line Number:	1
Method Code:	H141
Quantity Tons:	0.02900
Quantity Waste:	58.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Pounds
Federal Code:	D008

Year:	2020
EM Manifest ID:	889600
Generator EPA ID:	CAL000363032
Shipment Date:	2019-08-06
Manifest Number:	002430379PSC
Line Number:	1
Method Code:	H141
Quantity Tons:	0.02900
Quantity Waste:	58.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Pounds
Federal Code:	D011

Year:	2020
EM Manifest ID:	889600
Generator EPA ID:	CAL000363032
Shipment Date:	2019-08-06
Manifest Number:	002430379PSC
Line Number:	1
Method Code:	H141
Quantity Tons:	0.02900
Quantity Waste:	58.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Pounds
Federal Code:	D016

State:

Year:	2020
EM Manifest ID:	889600
Generator EPA ID:	CAL000363032
Shipment Date:	2019-08-06
Manifest Number:	002430379PSC
Line Number:	1
Method Code:	H141
Quantity Tons:	0.02900
Quantity Waste:	58.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Pounds

BED, BATH AND BEYOND #1137 (Continued) **S113799437**

State Code: 331

Year: 2020
EM Manifest ID: f8b4ff72-3796-41c2-a455-9e4ccca89463
Shipment Date: 8/26/2020
Receipt Date: 9/14/2020
Manifest Number: 001838966VES
Generator EPA ID: CAL000363032
Name: BED BATH & BEYOND
Address: 165 SOUTH LAS POSAS ROAD
Address 2: Not reported
City: SAN MARCOS
Zip: 92078
Telephone: 877-818-0087
Contact: Not reported
Contact Telephone: 609-242-8800
Transporter 1 EPA ID: NJD080631369
Transporter 1 Emergency Number: Not reported
Transporter 2 EPA ID: MOD095038998
Transporter 2 Emergency Number: Not reported
TSDF EPA ID: ILD098642424
TSDF Name: VEOLIA TECHNICAL SOLUTIONS LLC
TSDF Address 1: 7 MOBILE AVE
TSDF Address 2: Not reported
TSDF City: SAUGET
TSDF Zip: 62201
TSDF Telephone: Not reported

Federal:
Year: 2020
EM Manifest ID: f8b4ff72-3796-41c2-a455-9e4ccca89463
Generator EPA ID: CAL000363032
Shipment Date: 2020-08-26
Manifest Number: 001838966VES
Line Number: 1
Method Code: H040
Quantity Tons: 0.00150
Quantity Waste: 3.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: Fiberboard or plastic drums, barrels, kegs
Quantity Type: Pounds
Federal Code: D001

State:
Year: 2020
EM Manifest ID: f8b4ff72-3796-41c2-a455-9e4ccca89463
Generator EPA ID: CAL000363032
Shipment Date: 2020-08-26
Manifest Number: 001838966VES
Line Number: 1
Method Code: H040
Quantity Tons: 0.00150
Quantity Waste: 3.000000
Quantity Unit: P
Number of Containers: 1

BED, BATH AND BEYOND #1137 (Continued) **S113799437**

Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Pounds
State Code:	331

Year:	2020
EM Manifest ID:	909073
Shipment Date:	11/26/2019
Receipt Date:	12/6/2019
Manifest Number:	002590891PSC
Generator EPA ID:	CAL000363032
Name:	BED BATH & BEYOND #1137
Address:	165 S LAS POSAS RD
Address 2:	Not reported
City:	SAN MARCOS
Zip:	92078-2419
Telephone:	877-577-2669
Contact:	Not reported
Contact Telephone:	760-744-5101
Transporter 1 EPA ID:	MNS000110924
Transporter 1 Emergency Number:	Not reported
Transporter 2 EPA ID:	CAR000175422
Transporter 2 Emergency Number:	Not reported
TSDF EPA ID:	AZR000515924
TSDF Name:	YUMA YES WASTE TRANSFER FACILITY
TSDF Address 1:	2730 E 13TH ST
TSDF Address 2:	Not reported
TSDF City:	YUMA
TSDF Zip:	85365-1901
TSDF Telephone:	Not reported

Year:	2020
EM Manifest ID:	1004847
Shipment Date:	1/22/2020
Receipt Date:	2/4/2020
Manifest Number:	002650595PSC
Generator EPA ID:	CAL000363032
Name:	BB&B # 1137
Address:	165 S LAS POSAS RD
Address 2:	Not reported
City:	SAN MARCOS
Zip:	92078
Telephone:	877-577-2669
Contact:	Not reported
Contact Telephone:	323-776-6233
Transporter 1 EPA ID:	MNS000110924
Transporter 1 Emergency Number:	Not reported
Transporter 2 EPA ID:	CAR000217554
Transporter 2 Emergency Number:	Not reported
TSDF EPA ID:	CAD008364432
TSDF Name:	Rho Chem LLC
TSDF Address 1:	425 Isis Ave.
TSDF Address 2:	Not reported
TSDF City:	Inglewood
TSDF Zip:	90301
TSDF Telephone:	Not reported

BED, BATH AND BEYOND #1137 (Continued) **S113799437**

Federal:

Year:	2020
EM Manifest ID:	1004847
Generator EPA ID:	CAL000363032
Shipment Date:	2020-01-22
Manifest Number:	002650595PSC
Line Number:	1
Method Code:	H141
Quantity Tons:	0.00600
Quantity Waste:	12.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
Federal Code:	D001

Year:	2020
EM Manifest ID:	1004847
Generator EPA ID:	CAL000363032
Shipment Date:	2020-01-22
Manifest Number:	002650595PSC
Line Number:	2
Method Code:	H141
Quantity Tons:	0.00050
Quantity Waste:	1.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
Federal Code:	D001

Year:	2020
EM Manifest ID:	1004847
Generator EPA ID:	CAL000363032
Shipment Date:	2020-01-22
Manifest Number:	002650595PSC
Line Number:	3
Method Code:	H141
Quantity Tons:	0.00450
Quantity Waste:	9.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
Federal Code:	D002

State:

Year:	2020
EM Manifest ID:	1004847
Generator EPA ID:	CAL000363032
Shipment Date:	2020-01-22
Manifest Number:	002650595PSC
Line Number:	1
Method Code:	H141
Quantity Tons:	0.00600
Quantity Waste:	12.000000

BED, BATH AND BEYOND #1137 (Continued) **S113799437**

Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
State Code:	331

Year:	2020
EM Manifest ID:	1004847
Generator EPA ID:	CAL000363032
Shipment Date:	2020-01-22
Manifest Number:	002650595PSC
Line Number:	2
Method Code:	H141
Quantity Tons:	0.00050
Quantity Waste:	1.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
State Code:	141

Year:	2020
EM Manifest ID:	1004847
Generator EPA ID:	CAL000363032
Shipment Date:	2020-01-22
Manifest Number:	002650595PSC
Line Number:	3
Method Code:	H141
Quantity Tons:	0.00450
Quantity Waste:	9.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
State Code:	122

Year:	2020
EM Manifest ID:	1030958
Shipment Date:	1/22/2020
Receipt Date:	1/30/2020
Manifest Number:	002650619PSC
Generator EPA ID:	CAL000363032
Name:	BED BATH & BEYOND #1137
Address:	165 S LAS POSAS RD
Address 2:	Not reported
City:	SAN MARCOS
Zip:	92078-2419
Telephone:	877-577-2669
Contact:	Not reported
Contact Telephone:	760-744-5101
Transporter 1 EPA ID:	MNS000110924
Transporter 1 Emergency Number:	Not reported
Transporter 2 EPA ID:	CAR000175422
Transporter 2 Emergency Number:	Not reported
TSDF EPA ID:	AZR000515924
TSDF Name:	YUMA YES WASTE TRANSFER FACILITY

BED, BATH AND BEYOND #1137 (Continued) **S113799437**

TSDF Address 1:	2730 E 13TH ST
TSDF Address 2:	Not reported
TSDF City:	YUMA
TSDF Zip:	85365-1901
TSDF Telephone:	Not reported

State:

Year:	2020
EM Manifest ID:	1030958
Generator EPA ID:	CAL000363032
Shipment Date:	2020-01-22
Manifest Number:	002650619PSC
Line Number:	1
Method Code:	H141
Quantity Tons:	0.01150
Quantity Waste:	23.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Pounds
State Code:	331

Detail Two:

Year:	2019
EM Manifest ID:	4282cb7d-d68e-4603-9948-fd9514ff0d19
Shipment Date:	3/20/2019
Receipt Date:	3/27/2019
Manifest Number:	000258137DAT
Generator EPA ID:	CAL000363032
Name:	BB&B C/O PSC ATTN: BB&B CSR
Address:	165 S LAS POSAS RD
Address 2:	Not reported
City:	SAN MARCOS
Zip:	92078
Telephone:	877-577-2669
Contact:	Not reported
Contact Telephone:	631-688-5375
Transporter 1 EPA ID:	MNS000110924
Transporter 1 Emergency Number:	Not reported
Transporter 2 EPA ID:	CAR000175422
Transporter 2 Emergency Number:	Not reported
TSDF EPA ID:	AZR000515924
TSDF Name:	YUMA YES WASTE TRANSFER FACILITY
TSDF Address 1:	2730 E 13TH ST
TSDF Address 2:	Not reported
TSDF City:	YUMA
TSDF Zip:	85365-1901
TSDF Telephone:	Not reported

State:

Year:	2019
EM Manifest ID:	4282cb7d-d68e-4603-9948-fd9514ff0d19
Generator EPA ID:	CAL000363032
Shipment Date:	2019-03-20
Manifest Number:	000258137DAT
Line Number:	1
Method Code:	H141

BED, BATH AND BEYOND #1137 (Continued) **S113799437**

Quantity Tons:	0.00650
Quantity Waste:	13.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
State Code:	331

Year:	2019
EM Manifest ID:	382066
Shipment Date:	1/2/2019
Receipt Date:	1/30/2019
Manifest Number:	002079226PSC
Generator EPA ID:	CAL000363032
Name:	BB&B # 1137
Address:	165 S LAS POSAS RD
Address 2:	Not reported
City:	SAN MARCOS
Zip:	92078
Telephone:	877-577-2669
Contact:	Not reported
Contact Telephone:	775-575-2760
Transporter 1 EPA ID:	MNS000110924
Transporter 1 Emergency Number:	Not reported
Transporter 2 EPA ID:	CAR000085639
Transporter 2 Emergency Number:	Not reported
TSDF EPA ID:	NVD980895338
TSDF Name:	21st Century Environmental Management of Nevada, LLC
TSDF Address 1:	2095 Newlands Drive East
TSDF Address 2:	Not reported
TSDF City:	Fernley
TSDF Zip:	89408
TSDF Telephone:	Not reported

Federal:

Year:	2019
EM Manifest ID:	382066
Generator EPA ID:	CAL000363032
Shipment Date:	2019-01-02
Manifest Number:	002079226PSC
Line Number:	2
Method Code:	H141
Quantity Tons:	0.00100
Quantity Waste:	2.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
Federal Code:	D001

State:

Year:	2019
EM Manifest ID:	382066
Generator EPA ID:	CAL000363032
Shipment Date:	2019-01-02
Manifest Number:	002079226PSC

BED, BATH AND BEYOND #1137 (Continued) **S113799437**

Line Number: 2
Method Code: H141
Quantity Tons: 0.00100
Quantity Waste: 2.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: Fiber or plastic boxes, cartons, cases
Quantity Type: Pounds
State Code: 331

Detail Two:
Year: 2018
EM Manifest ID: 001864227PSC20180522_D_1
Shipment Date: 5/22/2018
Receipt Date: 6/15/2018
Manifest Number: 001864227PSC
Generator EPA ID: CAL000363032
Name: BB&B C/O PSC
Address: Not reported
Address 2: Not reported
City: Not reported
Zip: Not reported
Telephone: Not reported
Contact: Not reported
Contact Telephone: Not reported
Transporter 1 EPA ID: MNS000110924
Transporter 1 Emergency Number: Not reported
Transporter 2 EPA ID: NED986382133
Transporter 2 Emergency Number: Not reported
TSDF EPA ID: NVD980895338
TSDF Name: 21ST CENTURY ENVIRONMENTAL MANAGEMENT OF NEVADA LLC
TSDF Address 1: Not reported
TSDF Address 2: Not reported
TSDF City: Not reported
TSDF Zip: Not reported
TSDF Telephone: Not reported

Federal:
Year: 2018
EM Manifest ID: 001864227PSC20180522_D_1
Generator EPA ID: CAL000363032
Shipment Date: 2018-05-22
Manifest Number: 001864227PSC
Line Number: 1
Method Code: H141
Quantity Tons: 0.00400
Quantity Waste: 8.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: NULL
Quantity Type: NULL
Federal Code: D001

Year: 2018
EM Manifest ID: 001864227PSC20180522_D_1
Generator EPA ID: CAL000363032

BED, BATH AND BEYOND #1137 (Continued) **S113799437**

Shipment Date: 2018-05-22
Manifest Number: 001864227PSC
Line Number: 1
Method Code: H141
Quantity Tons: 0.00400
Quantity Waste: 8.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: NULL
Quantity Type: NULL
Federal Code: U002

Year: 2018
EM Manifest ID: 001864227PSC20180522_D_1
Generator EPA ID: CAL000363032
Shipment Date: 2018-05-22
Manifest Number: 001864227PSC
Line Number: 1
Method Code: H141
Quantity Tons: 0.00400
Quantity Waste: 8.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: NULL
Quantity Type: NULL
Federal Code: U069

State:
Year: 2018
EM Manifest ID: 001864227PSC20180522_D_1
Generator EPA ID: CAL000363032
Shipment Date: 2018-05-22
Manifest Number: 001864227PSC
Line Number: 1
Method Code: H141
Quantity Tons: 0.00400
Quantity Waste: 8.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: NULL
Quantity Type: NULL
State Code: 214

Year: 2018
EM Manifest ID: 001864194PSC20180522_D_1
Shipment Date: 5/22/2018
Receipt Date: 6/5/2018
Manifest Number: 001864194PSC
Generator EPA ID: CAL000363032
Name: BB&B C/O PSC
Address: Not reported
Address 2: Not reported
City: Not reported
Zip: Not reported
Telephone: Not reported
Contact: Not reported

BED, BATH AND BEYOND #1137 (Continued) **S113799437**

Contact Telephone:	Not reported
Transporter 1 EPA ID:	MNS000110924
Transporter 1 Emergency Number:	Not reported
Transporter 2 EPA ID:	217554
Transporter 2 Emergency Number:	Not reported
TSDF EPA ID:	CAD008364432
TSDF Name:	RHO CHEM LLC
TSDF Address 1:	Not reported
TSDF Address 2:	Not reported
TSDF City:	Not reported
TSDF Zip:	Not reported
TSDF Telephone:	Not reported

Federal:

Year:	2018
EM Manifest ID:	001864194PSC20180522_D_1
Generator EPA ID:	CAL000363032
Shipment Date:	2018-05-22
Manifest Number:	001864194PSC
Line Number:	1
Method Code:	H141
Quantity Tons:	0.00900
Quantity Waste:	18.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
Federal Code:	D002

Year:	2018
EM Manifest ID:	001864194PSC20180522_D_1
Generator EPA ID:	CAL000363032
Shipment Date:	2018-05-22
Manifest Number:	001864194PSC
Line Number:	2
Method Code:	H141
Quantity Tons:	0.00100
Quantity Waste:	2.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
Federal Code:	D009

Year:	2018
EM Manifest ID:	001864194PSC20180522_D_1
Generator EPA ID:	CAL000363032
Shipment Date:	2018-05-22
Manifest Number:	001864194PSC
Line Number:	3
Method Code:	H141
Quantity Tons:	0.00200
Quantity Waste:	4.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
Federal Code:	D002

BED, BATH AND BEYOND #1137 (Continued) **S113799437**

State:

Year:	2018
EM Manifest ID:	001864194PSC20180522_D_1
Generator EPA ID:	CAL000363032
Shipment Date:	2018-05-22
Manifest Number:	001864194PSC
Line Number:	1
Method Code:	H141
Quantity Tons:	0.00900
Quantity Waste:	18.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
State Code:	122

Year:	2018
EM Manifest ID:	001864194PSC20180522_D_1
Generator EPA ID:	CAL000363032
Shipment Date:	2018-05-22
Manifest Number:	001864194PSC
Line Number:	2
Method Code:	H141
Quantity Tons:	0.00100
Quantity Waste:	2.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
State Code:	181

Year:	2018
EM Manifest ID:	001864194PSC20180522_D_1
Generator EPA ID:	CAL000363032
Shipment Date:	2018-05-22
Manifest Number:	001864194PSC
Line Number:	3
Method Code:	H141
Quantity Tons:	0.00200
Quantity Waste:	4.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
State Code:	791

Year:	2018
EM Manifest ID:	001864219PSC20180522_D_1
Shipment Date:	5/22/2018
Receipt Date:	5/29/2018
Manifest Number:	001864219PSC
Generator EPA ID:	CAL000363032
Name:	BB&B C/O PSC
Address:	Not reported
Address 2:	Not reported
City:	Not reported

BED, BATH AND BEYOND #1137 (Continued) **S113799437**

Zip:	Not reported
Telephone:	Not reported
Contact:	Not reported
Contact Telephone:	Not reported
Transporter 1 EPA ID:	MNS000110924
Transporter 1 Emergency Number:	Not reported
Transporter 2 EPA ID:	CAR000175422
Transporter 2 Emergency Number:	Not reported
TSDF EPA ID:	AZR000515924
TSDF Name:	YUMA YES LLC
TSDF Address 1:	Not reported
TSDF Address 2:	Not reported
TSDF City:	Not reported
TSDF Zip:	Not reported
TSDF Telephone:	Not reported

Year:	2018
EM Manifest ID:	001673431PSC20171010_D_1
Shipment Date:	10/10/2017
Receipt Date:	10/16/2017
Manifest Number:	001673431PSC
Generator EPA ID:	CAL000363032
Name:	BB&B C/O PSC
Address:	Not reported
Address 2:	Not reported
City:	Not reported
Zip:	Not reported
Telephone:	Not reported
Contact:	Not reported
Contact Telephone:	Not reported
Transporter 1 EPA ID:	MNS000110924
Transporter 1 Emergency Number:	Not reported
Transporter 2 EPA ID:	CAR000217000
Transporter 2 Emergency Number:	Not reported
TSDF EPA ID:	CAD008364432
TSDF Name:	RHO CHEM LLC
TSDF Address 1:	Not reported
TSDF Address 2:	Not reported
TSDF City:	Not reported
TSDF Zip:	Not reported
TSDF Telephone:	Not reported

State:

Year:	2018
EM Manifest ID:	001673431PSC20171010_D_1
Generator EPA ID:	CAL000363032
Shipment Date:	2017-10-10
Manifest Number:	001673431PSC
Line Number:	1
Method Code:	H141
Quantity Tons:	0.00550
Quantity Waste:	11.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
State Code:	331

BED, BATH AND BEYOND #1137 (Continued) **S113799437**

Year:	2018
EM Manifest ID:	001761080PSC20180130_D_1
Shipment Date:	1/30/2018
Receipt Date:	2/6/2018
Manifest Number:	001761080PSC
Generator EPA ID:	CAL000363032
Name:	BB&B C/O PSC
Address:	Not reported
Address 2:	Not reported
City:	Not reported
Zip:	Not reported
Telephone:	Not reported
Contact:	Not reported
Contact Telephone:	Not reported
Transporter 1 EPA ID:	MNS000110924
Transporter 1 Emergency Number:	Not reported
Transporter 2 EPA ID:	CAR000217000
Transporter 2 Emergency Number:	Not reported
TSDF EPA ID:	CAD008364432
TSDF Name:	RHO CHEM LLC
TSDF Address 1:	Not reported
TSDF Address 2:	Not reported
TSDF City:	Not reported
TSDF Zip:	Not reported
TSDF Telephone:	Not reported

Federal:

Year:	2018
EM Manifest ID:	001761080PSC20180130_D_1
Generator EPA ID:	CAL000363032
Shipment Date:	2018-01-30
Manifest Number:	001761080PSC
Line Number:	1
Method Code:	H141
Quantity Tons:	0.00100
Quantity Waste:	2.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
Federal Code:	D006

Year:	2018
EM Manifest ID:	001761080PSC20180130_D_1
Generator EPA ID:	CAL000363032
Shipment Date:	2018-01-30
Manifest Number:	001761080PSC
Line Number:	1
Method Code:	H141
Quantity Tons:	0.00100
Quantity Waste:	2.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
Federal Code:	D008

Year:	2018

BED, BATH AND BEYOND #1137 (Continued) **S113799437**

EM Manifest ID:	001761080PSC20180130_D_1
Generator EPA ID:	CAL000363032
Shipment Date:	2018-01-30
Manifest Number:	001761080PSC
Line Number:	1
Method Code:	H141
Quantity Tons:	0.00100
Quantity Waste:	2.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
Federal Code:	D011
Year:	2018
EM Manifest ID:	001761080PSC20180130_D_1
Generator EPA ID:	CAL000363032
Shipment Date:	2018-01-30
Manifest Number:	001761080PSC
Line Number:	1
Method Code:	H141
Quantity Tons:	0.00100
Quantity Waste:	2.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
Federal Code:	D016
Year:	2018
EM Manifest ID:	001761080PSC20180130_D_1
Generator EPA ID:	CAL000363032
Shipment Date:	2018-01-30
Manifest Number:	001761080PSC
Line Number:	2
Method Code:	H141
Quantity Tons:	0.00150
Quantity Waste:	3.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
Federal Code:	D001
Year:	2018
EM Manifest ID:	001761080PSC20180130_D_1
Generator EPA ID:	CAL000363032
Shipment Date:	2018-01-30
Manifest Number:	001761080PSC
Line Number:	3
Method Code:	H141
Quantity Tons:	0.01000
Quantity Waste:	20.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL

BED, BATH AND BEYOND #1137 (Continued) **S113799437**

Federal Code: D002

State:

Year:	2018
EM Manifest ID:	001761080PSC20180130_D_1
Generator EPA ID:	CAL000363032
Shipment Date:	2018-01-30
Manifest Number:	001761080PSC
Line Number:	1
Method Code:	H141
Quantity Tons:	0.00100
Quantity Waste:	2.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
State Code:	331

Year:	2018
EM Manifest ID:	001761080PSC20180130_D_1
Generator EPA ID:	CAL000363032
Shipment Date:	2018-01-30
Manifest Number:	001761080PSC
Line Number:	2
Method Code:	H141
Quantity Tons:	0.00150
Quantity Waste:	3.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
State Code:	331

Year:	2018
EM Manifest ID:	001761080PSC20180130_D_1
Generator EPA ID:	CAL000363032
Shipment Date:	2018-01-30
Manifest Number:	001761080PSC
Line Number:	3
Method Code:	H141
Quantity Tons:	0.01000
Quantity Waste:	20.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
State Code:	122

Additional Info:

Year:	2017
Gen EPA ID:	CAL000363032
Shipment Date:	20171010
Creation Date:	5/30/2018 18:33:51
Receipt Date:	20171016

BED, BATH AND BEYOND #1137 (Continued) **S113799437**

Manifest ID:	001673431PSC
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	CAR000217000
Trans 2 Name:	LA CHIQUITA TRUCKING
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0055
Waste Quantity:	11
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20170620
Creation Date:	5/17/2018 18:32:18
Receipt Date:	20170627
Manifest ID:	001581542PSC
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	- Not reported
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0035
Waste Quantity:	7
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20170228
Creation Date:	5/18/2017 18:31:53
Receipt Date:	20170306
Manifest ID:	001493814PSC
Trans EPA ID:	CAD008364432
Trans Name:	RHO CHEM, LLC
Trans 2 EPA ID:	CAD983649880
Trans 2 Name:	PSC ENVIRONMENTAL SERVICES OF POMONA, LP
TSDF EPA ID:	CAD008364432
Trans Name:	RHO-CHEM, LLC

BED, BATH AND BEYOND #1137 (Continued) **S113799437**

TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	- Not reported
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.006
Waste Quantity:	12
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20170228
Creation Date:	5/18/2017 18:31:53
Receipt Date:	20170306
Manifest ID:	001493814PSC
Trans EPA ID:	CAD008364432
Trans Name:	RHO CHEM, LLC
Trans 2 EPA ID:	CAD983649880
Trans 2 Name:	PSC ENVIRONMENTAL SERVICES OF POMONA, LP
TSDF EPA ID:	CAD008364432
Trans Name:	RHO-CHEM, LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	D009
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.003
Waste Quantity:	6
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2016
Gen EPA ID:	CAL000363032
Shipment Date:	20151221
Creation Date:	2/10/2016 22:15:31
Receipt Date:	20151231
Manifest ID:	001160494PSC
Trans EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
Trans 2 EPA ID:	CAD983649880
Trans 2 Name:	PSC ENVIRONMENTAL SERVICES OF POMONA LP
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics

BED, BATH AND BEYOND #1137 (Continued) **S113799437**

RCRA Code:	D001
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0085
Waste Quantity:	17
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20151221
Creation Date:	2/10/2016 22:15:31
Receipt Date:	20151231
Manifest ID:	001160494PSC
Trans EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
Trans 2 EPA ID:	CAD983649880
Trans 2 Name:	PSC ENVIRONMENTAL SERVICES OF POMONA LP
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	791 - Liquids with pH < 2 792 Liquids with pH < 2 with metals
RCRA Code:	D002
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0065
Waste Quantity:	13
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20151221
Creation Date:	2/10/2016 22:15:31
Receipt Date:	20151231
Manifest ID:	001160494PSC
Trans EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
Trans 2 EPA ID:	CAD983649880
Trans 2 Name:	PSC ENVIRONMENTAL SERVICES OF POMONA LP
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	122 - Alkaline solution without metals (pH > 12.5
RCRA Code:	D002
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0195
Waste Quantity:	39
Quantity Unit:	P
Additional Code 1:	Not reported

BED, BATH AND BEYOND #1137 (Continued) **S113799437**

Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20151221
Creation Date:	2/10/2016 22:15:31
Receipt Date:	20151231
Manifest ID:	001160494PSC
Trans EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
Trans 2 EPA ID:	CAD983649880
Trans 2 Name:	PSC ENVIRONMENTAL SERVICES OF POMONA LP
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	214 - Unspecified solvent mixture
RCRA Code:	U002
Meth Code:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Quantity Tons:	0.0365
Waste Quantity:	73
Quantity Unit:	P
Additional Code 1:	D001
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20150623
Creation Date:	9/22/2015 22:15:49
Receipt Date:	20150625
Manifest ID:	001044007PSC
Trans EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
Trans 2 EPA ID:	CAD983649880
Trans 2 Name:	PSC ENVIRONMENTAL SERVICES OF POMONA LP
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	D001
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0115
Waste Quantity:	23
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20150623
Creation Date:	9/22/2015 22:15:49
Receipt Date:	20150625

BED, BATH AND BEYOND #1137 (Continued) **S113799437**

Manifest ID:	001044007PSC
Trans EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
Trans 2 EPA ID:	CAD983649880
Trans 2 Name:	PSC ENVIRONMENTAL SERVICES OF POMONA LP
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	214 - Unspecified solvent mixture
RCRA Code:	U002
Meth Code:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Quantity Tons:	0.02
Waste Quantity:	40
Quantity Unit:	P
Additional Code 1:	D001
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2015
Gen EPA ID:	CAL000363032
Shipment Date:	20151221
Creation Date:	2/10/2016 22:15:31
Receipt Date:	20151231
Manifest ID:	001160494PSC
Trans EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
Trans 2 EPA ID:	CAD983649880
Trans 2 Name:	PSC ENVIRONMENTAL SERVICES OF POMONA LP
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	D001
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0085
Waste Quantity:	17
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20151221
Creation Date:	2/10/2016 22:15:31
Receipt Date:	20151231
Manifest ID:	001160494PSC
Trans EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
Trans 2 EPA ID:	CAD983649880

BED, BATH AND BEYOND #1137 (Continued) **S113799437**

Trans 2 Name:	PSC ENVIRONMENTAL SERVICES OF POMONA LP
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	791 - Liquids with pH < 2 792 Liquids with pH < 2 with metals
RCRA Code:	D002
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0065
Waste Quantity:	13
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20151221
Creation Date:	2/10/2016 22:15:31
Receipt Date:	20151231
Manifest ID:	001160494PSC
Trans EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
Trans 2 EPA ID:	CAD983649880
Trans 2 Name:	PSC ENVIRONMENTAL SERVICES OF POMONA LP
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	122 - Alkaline solution without metals (pH > 12.5
RCRA Code:	D002
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0195
Waste Quantity:	39
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20151221
Creation Date:	2/10/2016 22:15:31
Receipt Date:	20151231
Manifest ID:	001160494PSC
Trans EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
Trans 2 EPA ID:	CAD983649880
Trans 2 Name:	PSC ENVIRONMENTAL SERVICES OF POMONA LP
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	214 - Unspecified solvent mixture
RCRA Code:	U002

BED, BATH AND BEYOND #1137 (Continued) **S113799437**

Meth Code:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Quantity Tons:	0.0365
Waste Quantity:	73
Quantity Unit:	P
Additional Code 1:	D001
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20150623
Creation Date:	9/22/2015 22:15:49
Receipt Date:	20150625
Manifest ID:	001044007PSC
Trans EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
Trans 2 EPA ID:	CAD983649880
Trans 2 Name:	PSC ENVIRONMENTAL SERVICES OF POMONA LP
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	D001
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0115
Waste Quantity:	23
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20150623
Creation Date:	9/22/2015 22:15:49
Receipt Date:	20150625
Manifest ID:	001044007PSC
Trans EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
Trans 2 EPA ID:	CAD983649880
Trans 2 Name:	PSC ENVIRONMENTAL SERVICES OF POMONA LP
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	214 - Unspecified solvent mixture
RCRA Code:	U002
Meth Code:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Quantity Tons:	0.02
Waste Quantity:	40
Quantity Unit:	P
Additional Code 1:	D001
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported

BED, BATH AND BEYOND #1137 (Continued) **S113799437**

Additional Code 5:	Not reported

Additional Info:

Year:	2014
Gen EPA ID:	CAL000363032
Shipment Date:	20141216
Creation Date:	2/13/2015 22:15:23
Receipt Date:	20141219
Manifest ID:	000909635PSC
Trans EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
Trans 2 EPA ID:	CAD983649880
Trans 2 Name:	PSC ENVIRONMENTAL SERVICES OF POMONA LP
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	D001
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.002
Waste Quantity:	4
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20141216
Creation Date:	2/13/2015 22:15:23
Receipt Date:	20141219
Manifest ID:	000909635PSC
Trans EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
Trans 2 EPA ID:	CAD983649880
Trans 2 Name:	PSC ENVIRONMENTAL SERVICES OF POMONA LP
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	- Not reported
RCRA Code:	D002
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0395
Waste Quantity:	79
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20140709

BED, BATH AND BEYOND #1137 (Continued) **S113799437**

Creation Date:	10/22/2014 22:15:04
Receipt Date:	20140717
Manifest ID:	000803849PSC
Trans EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
Trans 2 EPA ID:	CAD983649880
Trans 2 Name:	PSC ENVIRONMENTAL SERVICES OF POMONA LP
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	- Not reported
RCRA Code:	D002
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.003
Waste Quantity:	6
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20140709
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	000803849PSC
Trans EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
Trans 2 EPA ID:	CAD983649880
Trans 2 Name:	PSC ENVIRONMENTAL SERVICES OF POMONA LP
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	- Not reported
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0075
Waste Quantity:	15
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20140709
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	000803849PSC
Trans EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
Trans 2 EPA ID:	CAD983649880
Trans 2 Name:	PSC ENVIRONMENTAL SERVICES OF POMONA LP

BED, BATH AND BEYOND #1137 (Continued) **S113799437**

TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0365
Waste Quantity:	73
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20140709
Creation Date:	10/22/2014 22:15:04
Receipt Date:	20140717
Manifest ID:	000803849PSC
Trans EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
Trans 2 EPA ID:	CAD983649880
Trans 2 Name:	PSC ENVIRONMENTAL SERVICES OF POMONA LP
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	- Not reported
RCRA Code:	U002
Meth Code:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Quantity Tons:	0.006
Waste Quantity:	12
Quantity Unit:	P
Additional Code 1:	D001
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20140709
Creation Date:	10/22/2014 22:15:04
Receipt Date:	20140717
Manifest ID:	000803849PSC
Trans EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
Trans 2 EPA ID:	CAD983649880
Trans 2 Name:	PSC ENVIRONMENTAL SERVICES OF POMONA LP
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	D009
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)

BED, BATH AND BEYOND #1137 (Continued) **S113799437**

Quantity Tons:	0.002
Waste Quantity:	4
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20140709
Creation Date:	10/22/2014 22:15:04
Receipt Date:	20140717
Manifest ID:	000803849PSC
Trans EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
Trans 2 EPA ID:	CAD983649880
Trans 2 Name:	PSC ENVIRONMENTAL SERVICES OF POMONA LP
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	- Not reported
RCRA Code:	D001
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0055
Waste Quantity:	11
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20140129
Creation Date:	4/29/2014 22:14:58
Receipt Date:	20140210
Manifest ID:	000684756PSC
Trans EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
Trans 2 EPA ID:	CAD983649880
Trans 2 Name:	PSC ENVIRONMENTAL SERVICES OF POMONA LP
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	214 - Unspecified solvent mixture
RCRA Code:	D001
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.001
Waste Quantity:	2
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported

BED, BATH AND BEYOND #1137 (Continued) **S113799437**

Additional Code 5:	Not reported
Shipment Date:	20140129
Creation Date:	4/29/2014 22:14:58
Receipt Date:	20140210
Manifest ID:	000684756PSC
Trans EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
Trans 2 EPA ID:	CAD983649880
Trans 2 Name:	PSC ENVIRONMENTAL SERVICES OF POMONA LP
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	791 - Liquids with pH < 2 792 Liquids with pH < 2 with metals
RCRA Code:	D002
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.008
Waste Quantity:	16
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2013
Gen EPA ID:	CAL000363032
Shipment Date:	20130821
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	000582513PSC
Trans EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
Trans 2 EPA ID:	CAD983649880
Trans 2 Name:	PSC ENVIRONMENTAL SERVICES OF POMONA LP
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	135 - Unspecified aqueous solution
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.022
Waste Quantity:	44
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20130821

BED, BATH AND BEYOND #1137 (Continued) **S113799437**

Creation Date:	10/30/2013 22:15:29
Receipt Date:	20130906
Manifest ID:	000582513PSC
Trans EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
Trans 2 EPA ID:	CAD983649880
Trans 2 Name:	PSC ENVIRONMENTAL SERVICES OF POMONA LP
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	214 - Unspecified solvent mixture
RCRA Code:	U002
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.006
Waste Quantity:	12
Quantity Unit:	P
Additional Code 1:	D001
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20130821
Creation Date:	10/30/2013 22:15:29
Receipt Date:	20130906
Manifest ID:	000582513PSC
Trans EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
Trans 2 EPA ID:	CAD983649880
Trans 2 Name:	PSC ENVIRONMENTAL SERVICES OF POMONA LP
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	- Not reported
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0005
Waste Quantity:	1
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20130821
Creation Date:	10/30/2013 22:15:29
Receipt Date:	20130906
Manifest ID:	000582513PSC
Trans EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
Trans 2 EPA ID:	CAD983649880
Trans 2 Name:	PSC ENVIRONMENTAL SERVICES OF POMONA LP

BED, BATH AND BEYOND #1137 (Continued) **S113799437**

TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	D001
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.002
Waste Quantity:	4
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20130821
Creation Date:	10/30/2013 22:15:29
Receipt Date:	20130906
Manifest ID:	000582513PSC
Trans EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
Trans 2 EPA ID:	CAD983649880
Trans 2 Name:	PSC ENVIRONMENTAL SERVICES OF POMONA LP
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	791 - Liquids with pH < 2 792 Liquids with pH < 2 with metals
RCRA Code:	D002
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.01
Waste Quantity:	20
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20130821
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	000582513PSC
Trans EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
Trans 2 EPA ID:	CAD983649880
Trans 2 Name:	PSC ENVIRONMENTAL SERVICES OF POMONA LP
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No

BED, BATH AND BEYOND #1137 (Continued) **S113799437**

	Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.036
Waste Quantity:	72
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20130313
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	000476125PSC
Trans EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
Trans 2 EPA ID:	CAD983649880
Trans 2 Name:	PSC ENVIRONMENTAL SERVICES OF POMONA LP
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	141 - Off-specification, aged, or surplus inorganics
RCRA Code:	D001
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.016
Waste Quantity:	32
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20130313
Creation Date:	5/4/2013 22:15:59
Receipt Date:	20130318
Manifest ID:	000476125PSC
Trans EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
Trans 2 EPA ID:	CAD983649880
Trans 2 Name:	PSC ENVIRONMENTAL SERVICES OF POMONA LP
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	D001
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.018
Waste Quantity:	36
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported

BED, BATH AND BEYOND #1137 (Continued) **S113799437**

Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20130313
Creation Date:	5/4/2013 22:15:59
Receipt Date:	20130318
Manifest ID:	000476125PSC
Trans EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
Trans 2 EPA ID:	CAD983649880
Trans 2 Name:	PSC ENVIRONMENTAL SERVICES OF POMONA LP
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	214 - Unspecified solvent mixture
RCRA Code:	U002
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0225
Waste Quantity:	45
Quantity Unit:	P
Additional Code 1:	D001
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20130313
Creation Date:	5/4/2013 22:15:59
Receipt Date:	20130318
Manifest ID:	000476125PSC
Trans EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
Trans 2 EPA ID:	CAD983649880
Trans 2 Name:	PSC ENVIRONMENTAL SERVICES OF POMONA LP
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	122 - Alkaline solution without metals (pH > 12.5
RCRA Code:	D002
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.074
Waste Quantity:	148
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2012
Gen EPA ID:	CAL000363032

BED, BATH AND BEYOND #1137 (Continued) **S113799437**

Shipment Date:	20120925
Creation Date:	11/26/2012 22:16:15
Receipt Date:	20121001
Manifest ID:	000377017PSC
Trans EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
Trans 2 EPA ID:	CAD983649880
Trans 2 Name:	PSC ENVIRONMENTAL SERVICES OF POMONA LP
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	214 - Unspecified solvent mixture
RCRA Code:	U002
Meth Code:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Quantity Tons:	0.008
Waste Quantity:	16
Quantity Unit:	P
Additional Code 1:	D001
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20120925
Creation Date:	11/26/2012 22:16:15
Receipt Date:	20121001
Manifest ID:	000377017PSC
Trans EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
Trans 2 EPA ID:	CAD983649880
Trans 2 Name:	PSC ENVIRONMENTAL SERVICES OF POMONA LP
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	D001
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0115
Waste Quantity:	23
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20120925
Creation Date:	11/26/2012 22:16:15
Receipt Date:	20121001
Manifest ID:	000377017PSC
Trans EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
Trans 2 EPA ID:	CAD983649880
Trans 2 Name:	PSC ENVIRONMENTAL SERVICES OF POMONA LP

BED, BATH AND BEYOND #1137 (Continued) **S113799437**

TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0185
Waste Quantity:	37
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20120404
Creation Date:	5/30/2012 20:30:10
Receipt Date:	20120406
Manifest ID:	000281541PSC
Trans EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
Trans 2 EPA ID:	CAD983649880
Trans 2 Name:	PSC ENVIRONMENTAL SERVICES OF POMONA LP
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	791 - Liquids with pH < 2 792 Liquids with pH < 2 with metals
RCRA Code:	D002
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.009
Waste Quantity:	18
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20120404
Creation Date:	5/30/2012 20:30:10
Receipt Date:	20120406
Manifest ID:	000281541PSC
Trans EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
Trans 2 EPA ID:	CAD983649880
Trans 2 Name:	PSC ENVIRONMENTAL SERVICES OF POMONA LP
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	214 - Unspecified solvent mixture
RCRA Code:	U002
Meth Code:	H061 - Fuel Blending Prior To Energy Recovery At Another Site

BED, BATH AND BEYOND #1137 (Continued) **S113799437**

Quantity Tons:	0.011
Waste Quantity:	22
Quantity Unit:	P
Additional Code 1:	D001
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20120404
Creation Date:	5/30/2012 20:30:10
Receipt Date:	20120406
Manifest ID:	000281541PSC
Trans EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
Trans 2 EPA ID:	CAD983649880
Trans 2 Name:	PSC ENVIRONMENTAL SERVICES OF POMONA LP
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	D001
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0025
Waste Quantity:	5
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20120404
Creation Date:	5/30/2012 20:30:10
Receipt Date:	20120406
Manifest ID:	000281541PSC
Trans EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
Trans 2 EPA ID:	CAD983649880
Trans 2 Name:	PSC ENVIRONMENTAL SERVICES OF POMONA LP
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	122 - Alkaline solution without metals (pH > 12.5
RCRA Code:	D002
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0435
Waste Quantity:	87
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported

BED, BATH AND BEYOND #1137 (Continued) **S113799437**

Additional Code 5: Not reported

CERS:
Name: BED, BATH AND BEYOND #1137
Address: 165 S LAS POSAS RD
City,State,Zip: SAN MARCOS, CA 92078
Site ID: 97939
CERS ID: 10169639
CERS Description: Chemical Storage Facilities

Evaluation:
Eval General Type: Compliance Evaluation Inspection
Eval Date: 07-05-2017
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Inspector: Calcagno Leonardo Inspection ID:5713757
Eval Division: San Diego County Department of Env Health
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 12-09-2019
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Inspector: Valdez Kevin Inspection ID:6210249
Eval Division: San Diego County Department of Env Health
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 08-05-2015
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Inspector: Calcagno Leonardo Inspection ID:4099116
Eval Division: San Diego County Department of Env Health
Eval Program: HW
Eval Source: CERS,

Coordinates:
Site ID: 97939
Facility Name: Bed, Bath and Beyond #1137
Env Int Type Code: HWG
Program ID: 10169639
Coord Name: Not reported
Ref Point Type Desc: Center of a facility or station.,
Latitude: 33.141680
Longitude: -117.192230

Affiliation:
Affiliation Type Desc: Environmental Contact
Entity Name: ASHLEY CAMPBELL
Entity Title: Not reported
Affiliation Address: 9950 CHEMICAL ROAD
Affiliation City: PASADENA
Affiliation State: TX
Affiliation Country: Not reported

BED, BATH AND BEYOND #1137 (Continued) **S113799437**

Affiliation Zip:	77507
Affiliation Phone:	,
Affiliation Type Desc:	Identification Signer
Entity Name:	Ashley Campbell
Entity Title:	Authorized Representative
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,
Affiliation Type Desc:	Legal Owner
Entity Name:	Bed, Bath & Beyond of California, LLC.
Entity Title:	Not reported
Affiliation Address:	650 Liberty Ave
Affiliation City:	Union
Affiliation State:	NJ
Affiliation Country:	United States
Affiliation Zip:	07083
Affiliation Phone:	(908) 688-0888,
Affiliation Type Desc:	Document Preparer
Entity Name:	ASHLEY CAMPBELL
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,
Affiliation Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	Not reported
Affiliation Address:	650 LIBERTY AVE
Affiliation City:	UNION
Affiliation State:	NJ
Affiliation Country:	Not reported
Affiliation Zip:	07083
Affiliation Phone:	,
Affiliation Type Desc:	CUPA District
Entity Name:	San Diego County Env Health Qlty
Entity Title:	Not reported
Affiliation Address:	PO Box 129261
Affiliation City:	San Diego
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92112-9261
Affiliation Phone:	(858) 505-6880,
Affiliation Type Desc:	Operator
Entity Name:	Bed, Bath and Beyond of California, LLC
Entity Title:	Not reported
Affiliation Address:	Not reported

BED, BATH AND BEYOND #1137 (Continued) **S113799437**

Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	(908) 688-0930,
Affiliation Type Desc:	Parent Corporation
Entity Name:	Bed, Bath and Beyond
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,

HWTS:

Name:	BED BATH & BEYOND #1137
Address:	165 S LAS POSAS RD
Address 2:	Not reported
City,State,Zip:	SAN MARCOS, CA 92078
EPA ID:	CAL000363032
Inactive Date:	Not reported
Create Date:	04/19/2011
Last Act Date:	Not reported
Mailing Name:	Not reported
Mailing Address:	9950 CHEMICAL ROAD
Mailing Address 2:	Not reported
Mailing City,State,Zip:	PASADENA, TX 775070000
Owner Name:	BED BATH & BEYOND
Owner Address:	650 LIBERTY AVE
Owner Address 2:	Not reported
Owner City,State,Zip:	UNION, NJ 70830000
Contact Name:	ASHLEY CAMPBELL
Contact Address:	9950 CHEMICAL ROAD
Contact Address 2:	Not reported
City,State,Zip:	PASADENA, TX 77507
Facility Status:	Active
Facility Type:	PERMANENT
Category:	STATE
Latitude:	33.14314
Longitude:	-117.19137

NAICS:

EPA ID:	CAL000363032
Create Date:	2011-04-19 09:10:08.250
NAICS Code:	442299
NAICS Description:	All Other Home Furnishings Stores
Issued EPA ID Date:	2011-04-19 09:10:08.23300
Inactive Date:	Not reported
Facility Name:	BED BATH & BEYOND #1137
Facility Address:	165 S LAS POSAS RD
Facility Address 2:	Not reported
Facility City:	SAN MARCOS
Facility County:	Not reported
Facility State:	CA

BED, BATH AND BEYOND #1137 (Continued) **S113799437**

Facility Zip: 920782419

W143 **BED BATH & BEYOND #1137** **RCRA NonGen / NLR** **1024829580**
NW **165 S LAS POSAS RD** **CAL000363032**
1/8-1/4 **SAN MARCOS, CA 92078**
0.239 mi.
1261 ft. **Site 6 of 13 in cluster W**

Relative: **Higher**

Actual: **557 ft.**

RCRA Listings:

Date Form Received by Agency:		20110419
Handler Name:	BED BATH & BEYOND #1137	
Handler Address:		165 S LAS POSAS RD
Handler City,State,Zip:		SAN MARCOS, CA 92078-2419
EPA ID:		CAL000363032
Contact Name:		ASHLEY CAMPBELL
Contact Address:		5151 SAN FELIPE ST
Contact City,State,Zip:		HOUSTON, TX 77056
Contact Telephone:		713-985-5472
Contact Fax:		Not reported
Contact Email:		ASHLEY.CAMPBELL@STERICYCLE.COM
Contact Title:		Not reported
EPA Region:		09
Land Type:		Not reported
Federal Waste Generator Description:		Not a generator, verified
Non-Notifier:		Not reported
Biennial Report Cycle:		Not reported
Accessibility:		Not reported
Active Site Indicator:		Handler Activities
State District Owner:		Not reported
State District:		Not reported
Mailing Address:		5151 SAN FELIPE ST
Mailing City,State,Zip:		HOUSTON, TX 77056-0000
Owner Name:	BED BATH & BEYOND	
Owner Type:		Other
Operator Name:	ASHLEY CAMPBELL	
Operator Type:		Other
Short-Term Generator Activity:		No
Importer Activity:		No
Mixed Waste Generator:		No
Transporter Activity:		No
Transfer Facility Activity:		No
Recycler Activity with Storage:		No
Small Quantity On-Site Burner Exemption:		No
Smelting Melting and Refining Furnace Exemption:		No
Underground Injection Control:		No
Off-Site Waste Receipt:		No
Universal Waste Indicator:		Yes
Universal Waste Destination Facility:		Yes
Federal Universal Waste:		No
Active Site Fed-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site Converter Treatment storage and Disposal Facility:		Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site State-Reg Handler:		---
Federal Facility Indicator:		Not reported
Hazardous Secondary Material Indicator:		N
Sub-Part K Indicator:		Not reported
Commercial TSD Indicator:		No

BED BATH & BEYOND #1137 (Continued) **1024829580**

Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20180905
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name: BED BATH & BEYOND	
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	650 LIBERTY AVE
Owner/Operator City,State,Zip:	UNION, NJ 07083-0000
Owner/Operator Telephone:	908-688-0888
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name: ASHLEY CAMPBELL	
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	5151 SAN FELIPE ST
Owner/Operator City,State,Zip:	HOUSTON, TX 77056
Owner/Operator Telephone:	713-985-5472

BED BATH & BEYOND #1137 (Continued) **1024829580**

Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:
Receive Date: 20110419
Handler Name: BED BATH & BEYOND #1137
Federal Waste Generator Description: Not a generator, verified
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Code: 442299
NAICS Description: ALL OTHER HOME FURNISHINGS STORES

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

W144 **NORDSTROM RACK #383 GRAND PLAZA** **San Diego Co. HMMD** **S121307793**
NW **173 S LAS POSAS RD** **CERS HAZ WASTE** **N/A**
1/8-1/4 **SAN MARCOS, CA 92078** **CERS**
0.240 mi.
1265 ft. **Site 7 of 13 in cluster W**

Relative:
Higher

Actual:
558 ft.

HMMD SAN DIEGO:
Name: NORDSTROM RACK #383 GRAND PLAZA
Address: 173 S LAS POSAS RD
City,State,Zip: SAN MARCOS, CA 92078
Permit Number: Not reported
Business Type: Not reported
EPA Id Number: CAL000416739
APN: Not reported
Last HMMD Inspection: Not reported
Facility Telephone: 760-304-7050
Permit Status: Permit Renewed
Permit Expiration: Not reported
Date Last Updated: 05/25/2022
Facility Owner: Not reported
Facility Mailing Address: 173 S Los Posas Rd, San Marcos, CA 92078
Facility Mailing City: Not reported
Facility Mailing State: Not reported
Facility Mailing Zip: Not reported
UST Owner: N
Handle Regulated Hazmat: Not reported
Own Or Operate UST: Not reported

NORDSTROM RACK #383 GRAND PLAZA (Continued) **S121307793**

Subject To APSA: Not reported
Generate Haz Waste: Y
Treat Haz Waste: N
Generate Medical Waste: Not reported

Inspection Violation:
Record ID: DEH2017-HUPFP-003839
Permit Status: Permit Renewed
Active Permit: Y
Facility Id Number: 37-000-003839
Program Element: Hazardous Waste Generator
Inspection Type: Routine
Inspection Number: 6269054
Return To Compliance Date: 2020-01-14T00:00:00.000
Nov: No
Violation Classification: Class II
Underground Storage Tank Id: Not reported
Container/Tank Id: Not reported
Last Update: 2022-05-25T03:12:17.000
Inspection Date: 2019-12-30T00:00:00.000
Violation Code: HMD0152 Failed to report &/or update the required inventory information for hazardous waste(s) generated at the facility in CERS. SDCC 68.904(a)(2)

Record ID: DEH2017-HUPFP-003839
Permit Status: Permit Renewed
Active Permit: Y
Facility Id Number: 37-000-003839
Program Element: Hazardous Waste Generator
Inspection Type: Routine
Inspection Number: 6269054
Return To Compliance Date: 2020-01-21T00:00:00.000
Nov: No
Violation Classification: Minor
Underground Storage Tank Id: Not reported
Container/Tank Id: Not reported
Last Update: 2022-05-25T03:12:17.000
Inspection Date: 2019-12-30T00:00:00.000
Violation Code: HMD0138 Manifest signed by the TSDF not available for inspection. 22 CCR 66262.40(a); HSC 25185(a)(4)

Waste and Materials:
Record ID: DEH2017-HUPFP-003839
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2022-HWAST-0297331
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2022-05-25T03:12:19.000
Chemical Name: Aerosols
Common Name: Aerosols
Case Number: Not reported

Record ID: DEH2017-HUPFP-003839
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2022-HWAST-0297332

NORDSTROM RACK #383 GRAND PLAZA (Continued) **S121307793**

Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2022-05-25T03:12:19.000
Chemical Name: Flammable liquids
Common Name: Flammable liquids
Case Number: Not reported

Record ID: DEH2017-HUPFP-003839
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2022-HWAST-0297333
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2022-05-25T03:12:19.000
Chemical Name: non pcb ballast and capacitors
Common Name: non pcb ballast and capacitors
Case Number: Not reported

Record ID: DEH2017-HUPFP-003839
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2022-HWAST-0297334
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2022-05-25T03:12:19.000
Chemical Name: non-rcra ca state toxic liquid
Common Name: non-rcra ca state toxic liquid
Case Number: Not reported

Record ID: DEH2017-HUPFP-003839
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HWAST-0133502
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2017-11-03T02:31:10.000
Chemical Name: Flammable and Combustible Liquids
Common Name: Fragrances
Case Number: Not reported

Record ID: DEH2017-HUPFP-003839
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HWAST-0133503
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2017-11-03T02:31:10.000
Chemical Name: universal Waste
Common Name: Electric lamps/lights
Case Number: Not reported

Record ID: DEH2017-HUPFP-003839
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2019-HWAST-0177812
Trade Secret: N
Hazardous Material Type: Not reported

NORDSTROM RACK #383 GRAND PLAZA (Continued) **S121307793**

Last Updated: 2019-11-01T02:37:23.000
Chemical Name: Flammable and Combustible Liquids
Common Name: Fragrances
Case Number: Not reported

Record ID: DEH2017-HUPFP-003839
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2021-HWAST-0253889
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2021-11-12T02:31:53.000
Chemical Name: NON PCB BALLASTS AND CAPACITORS
Common Name: NON PCB BALLASTS AND CAPACITORS
Case Number: Not reported

Record ID: DEH2017-HUPFP-003839
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2019-HWAST-0177813
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2019-11-01T02:37:23.000
Chemical Name: non-rcra ca state toxic liquid
Common Name: non-rcra ca state toxic liquid
Case Number: Not reported

Record ID: DEH2017-HUPFP-003839
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2019-HWAST-0177814
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2019-11-01T02:37:23.000
Chemical Name: Misc Aerosols
Common Name: Misc Aerosols
Case Number: Not reported

Record ID: DEH2017-HUPFP-003839
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2022-HWAST-0285259
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2022-01-25T18:31:14.000
Chemical Name: Flammable liquids
Common Name: Flammable liquids
Case Number: Not reported

Record ID: DEH2017-HUPFP-003839
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2022-HWAST-0285260
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2022-01-25T18:31:14.000
Chemical Name: non-rcra ca state toxic liquid

NORDSTROM RACK #383 GRAND PLAZA (Continued) **S121307793**

Common Name:	non-rcra ca state toxic liquid
Case Number:	Not reported
Record ID:	DEH2017-HUPFP-003839
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2022-HWAST-0285261
Trade Secret:	N
Hazardous Material Type:	Not reported
Last Updated:	2022-01-25T18:31:14.000
Chemical Name:	Aerosols
Common Name:	Aerosols
Case Number:	Not reported
Record ID:	DEH2017-HUPFP-003839
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2022-HWAST-0285262
Trade Secret:	N
Hazardous Material Type:	Not reported
Last Updated:	2022-01-25T18:31:14.000
Chemical Name:	non pcb ballast and capacitors
Common Name:	non pcb ballast and capacitors
Case Number:	Not reported
Record ID:	DEH2017-HUPFP-003839
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2018-HWAST-0166828
Trade Secret:	N
Hazardous Material Type:	Not reported
Last Updated:	2018-09-05T01:08:45.000
Chemical Name:	Flammable and Combustible Liquids
Common Name:	Fragrances
Case Number:	Not reported
Record ID:	DEH2017-HUPFP-003839
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2018-HWAST-0166829
Trade Secret:	N
Hazardous Material Type:	Not reported
Last Updated:	2018-09-05T01:08:45.000
Chemical Name:	non-rcra ca state toxic liquid
Common Name:	non-rcra ca state toxic liquid
Case Number:	Not reported
Record ID:	DEH2017-HUPFP-003839
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2018-HWAST-0166830
Trade Secret:	N
Hazardous Material Type:	Not reported
Last Updated:	2018-09-05T01:08:45.000
Chemical Name:	Misc Aerosols
Common Name:	Misc Aerosols
Case Number:	Not reported

NORDSTROM RACK #383 GRAND PLAZA (Continued) **S121307793**

Record ID:	DEH2017-HUPFP-003839
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2021-HWAST-0253886
Trade Secret:	N
Hazardous Material Type:	Not reported
Last Updated:	2021-11-12T02:31:53.000
Chemical Name:	Flammable and Combustible Liquids
Common Name:	Fragrances
Case Number:	Not reported

Record ID:	DEH2017-HUPFP-003839
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2021-HWAST-0253887
Trade Secret:	N
Hazardous Material Type:	Not reported
Last Updated:	2021-11-12T02:31:53.000
Chemical Name:	non-rcra ca state toxic liquid
Common Name:	non-rcra ca state toxic liquid
Case Number:	Not reported

Record ID:	DEH2017-HUPFP-003839
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2021-HWAST-0253888
Trade Secret:	N
Hazardous Material Type:	Not reported
Last Updated:	2021-11-12T02:31:53.000
Chemical Name:	Misc Aerosols
Common Name:	Misc Aerosols
Case Number:	Not reported

Record ID:	DEH2017-HUPFP-003839
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2020-HWAST-0214376
Trade Secret:	N
Hazardous Material Type:	Not reported
Last Updated:	2020-10-29T02:32:33.000
Chemical Name:	Flammable and Combustible Liquids
Common Name:	Fragrances
Case Number:	Not reported

Record ID:	DEH2017-HUPFP-003839
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2018-HWAST-0146553
Trade Secret:	N
Hazardous Material Type:	Not reported
Last Updated:	2018-03-06T01:20:34.000
Chemical Name:	Flammable and Combustible Liquids
Common Name:	Fragrances
Case Number:	Not reported

Record ID:	DEH2017-HUPFP-003839
Permit Status:	Permit Renewed

NORDSTROM RACK #383 GRAND PLAZA (Continued) **S121307793**

Active Permit:	Y
Child Record Id:	DEH2018-HWAST-0146554
Trade Secret:	N
Hazardous Material Type:	Not reported
Last Updated:	2018-03-06T01:20:34.000
Chemical Name:	universal Waste
Common Name:	Electric lamps/lights
Case Number:	Not reported

Record ID:	DEH2017-HUPFP-003839
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2020-HWAST-0214377
Trade Secret:	N
Hazardous Material Type:	Not reported
Last Updated:	2020-10-29T02:32:33.000
Chemical Name:	non-rcra ca state toxic liquid
Common Name:	non-rcra ca state toxic liquid
Case Number:	Not reported

Record ID:	DEH2017-HUPFP-003839
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2020-HWAST-0214378
Trade Secret:	N
Hazardous Material Type:	Not reported
Last Updated:	2020-10-29T02:32:33.000
Chemical Name:	Misc Aerosols
Common Name:	Misc Aerosols
Case Number:	Not reported

Record ID:	DEH2017-HUPFP-003839
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2020-HWAST-0214379
Trade Secret:	N
Hazardous Material Type:	Not reported
Last Updated:	2020-10-29T02:32:33.000
Chemical Name:	NON PCB BALLASTS AND CAPACITORS
Common Name:	NON PCB BALLASTS AND CAPACITORS
Case Number:	Not reported

CERS HAZ WASTE:

Name:	NORDSTROM RACK #383 GRAND PLAZA
Address:	173 S LAS POSAS RD
City,State,Zip:	SAN MARCOS, CA 92078
Site ID:	424129
CERS ID:	10739092
CERS Description:	Hazardous Waste Generator

CERS:

Name:	NORDSTROM RACK #383 GRAND PLAZA
Address:	173 S LAS POSAS RD
City,State,Zip:	SAN MARCOS, CA 92078
Site ID:	424129

NORDSTROM RACK #383 GRAND PLAZA (Continued) **S121307793**

CERS ID: 10739092
CERS Description: Chemical Storage Facilities

Violations:
Site ID: 424129
Site Name: Nordstrom Rack #383 Grand Plaza
Violation Date: 12-30-2019
Citation: HSC 6.5 Multiple - California Health and Safety Code, Chapter 6.5, Section(s) Multiple
Violation Description: Hazardous Waste Generator Program - Operations/Maintenance - General
Violation Notes: Returned to compliance on 01/14/2020. Inspection Sequence ID:6269054;Violation:HMD0152 Failed to report &/or update the required inventory information for hazardous waste(s) generated at the facility in CERS. SDCC 68.904(a)(2)
Violation Division: San Diego County Department of Env Health
Violation Program: HW
Violation Source: CERS,

Site ID: 424129
Site Name: Nordstrom Rack #383 Grand Plaza
Violation Date: 12-30-2019
Citation: HSC 6.5 Multiple - California Health and Safety Code, Chapter 6.5, Section(s) Multiple
Violation Description: Hazardous Waste Generator Program - Administration/Documentation - General
Violation Notes: Returned to compliance on 01/21/2020. Inspection Sequence ID:6269054;Violation:HMD0138 Manifest signed by the TSDF not available for inspection. 22 CCR 66262.40(a); HSC 25185(a)(4)
Violation Division: San Diego County Department of Env Health
Violation Program: HW
Violation Source: CERS,

Evaluation:
Eval General Type: Compliance Evaluation Inspection
Eval Date: 09-25-2017
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Inspector: Calcagno Leonardo Inspection ID:5806596
Eval Division: San Diego County Department of Env Health
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 12-30-2019
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Inspector: Valdez Kevin Inspection ID:6269054
Eval Division: San Diego County Department of Env Health
Eval Program: HW
Eval Source: CERS,

Coordinates:
Site ID: 424129
Facility Name: Nordstrom Rack #383 Grand Plaza
Env Int Type Code: HMBP
Program ID: 10739092
Coord Name: Not reported

NORDSTROM RACK #383 GRAND PLAZA (Continued) **S121307793**

Ref Point Type Desc: Center of a facility or station.,
Latitude: 33.142130
Longitude: -117.192000

Affiliation:
Affiliation Type Desc: CUPA District
Entity Name: San Diego County Env Health Qlty
Entity Title: Not reported
Affiliation Address: PO Box 129261
Affiliation City: San Diego
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 92112-9261
Affiliation Phone: (858) 505-6880,

Affiliation Type Desc: Document Preparer
Entity Name: David Cohen
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Affiliation Type Desc: Operator
Entity Name: Nordstrom Inc. 383
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: (760) 304-7050,

Affiliation Type Desc: Legal Owner
Entity Name: Nordstrom Inc.
Entity Title: Not reported
Affiliation Address: 1700 7th Ave.
Affiliation City: Seattle
Affiliation State: WA
Affiliation Country: United States
Affiliation Zip: 98101
Affiliation Phone: (206) 628-2111,

Affiliation Type Desc: Property Owner
Entity Name: Nordstrom Inc.
Entity Title: Not reported
Affiliation Address: 1700 7th Ave.
Affiliation City: Seattle
Affiliation State: WA
Affiliation Country: United States
Affiliation Zip: 98101
Affiliation Phone: (206) 628-2111,

Affiliation Type Desc: Facility Mailing Address
Entity Name: Mailing Address

NORDSTROM RACK #383 GRAND PLAZA (Continued) **S121307793**

Entity Title:	Not reported
Affiliation Address:	173 S Los Posas Rd
Affiliation City:	San Marcos
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92078
Affiliation Phone:	,
Affiliation Type Desc:	Identification Signer
Entity Name:	David Cohen
Entity Title:	Program Manager
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,
Affiliation Type Desc:	Environmental Contact
Entity Name:	Jason Peterson
Entity Title:	Not reported
Affiliation Address:	173 S Los Posas Rd
Affiliation City:	San Marcos
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92078
Affiliation Phone:	,
Affiliation Type Desc:	Parent Corporation
Entity Name:	Nordstrom Inc.
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,

W145 **NORDSTROM RACK #383** **RCRA NonGen / NLR** **1024854916**
NW **173 S LAS POSAS RD** **CAL000416739**
1/8-1/4 **SAN MARCOS, CA 92078**
0.240 mi.
1265 ft. **Site 8 of 13 in cluster W**

Relative: **Higher**

Actual: **558 ft.**

RCRA Listings:

Date Form Received by Agency:		20160503
Handler Name:	NORDSTROM RACK #383	
Handler Address:		173 S LAS POSAS RD
Handler City,State,Zip:		SAN MARCOS, CA 92078
EPA ID:		CAL000416739
Contact Name:		DAVID COHEN
Contact Address:		1700 7TH AVE
Contact City,State,Zip:		SEATTLE, WA 98101-0000
Contact Telephone:		206-303-3511
Contact Fax:		Not reported
Contact Email:		DCOHEN@HERITAGE-ENVIRO.COM
Contact Title:		Not reported

NORDSTROM RACK #383 (Continued) **1024854916**

EPA Region:		09
Land Type:		Not reported
Federal Waste Generator Description:		Not a generator, verified
Non-Notifier:		Not reported
Biennial Report Cycle:		Not reported
Accessibility:		Not reported
Active Site Indicator:		Handler Activities
State District Owner:		Not reported
State District:		Not reported
Mailing Address:		1700 7TH AVE
Mailing City,State,Zip:		SEATTLE, WA 98101-0000
Owner Name:	NORDSTROM INC	
Owner Type:		Other
Operator Name:	DAVID COHEN	
Operator Type:		Other
Short-Term Generator Activity:		No
Importer Activity:		No
Mixed Waste Generator:		No
Transporter Activity:		No
Transfer Facility Activity:		No
Recycler Activity with Storage:		No
Small Quantity On-Site Burner Exemption:		No
Smelting Melting and Refining Furnace Exemption:		No
Underground Injection Control:		No
Off-Site Waste Receipt:		No
Universal Waste Indicator:		Yes
Universal Waste Destination Facility:		Yes
Federal Universal Waste:		No
Active Site Fed-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site Converter Treatment storage and Disposal Facility:		Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site State-Reg Handler:		---
Federal Facility Indicator:		Not reported
Hazardous Secondary Material Indicator:		N
Sub-Part K Indicator:		Not reported
Commercial TSD Indicator:		No
Treatment Storage and Disposal Type:		Not reported
2018 GPRA Permit Baseline:		Not on the Baseline
2018 GPRA Renewals Baseline:		Not on the Baseline
Permit Renewals Workload Universe:		Not reported
Permit Workload Universe:		Not reported
Permit Progress Universe:		Not reported
Post-Closure Workload Universe:		Not reported
Closure Workload Universe:		Not reported
202 GPRA Corrective Action Baseline:		No
Corrective Action Workload Universe:		No
Subject to Corrective Action Universe:		No
Non-TSDFs Where RCRA CA has Been Imposed Universe:		No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:		No
TSDFs Only Subject to CA under Discretionary Auth Universe:		No
Corrective Action Priority Ranking:		No NCAPS ranking
Environmental Control Indicator:		No
Institutional Control Indicator:		No
Human Exposure Controls Indicator:		N/A
Groundwater Controls Indicator:		N/A
Operating TSDF Universe:		Not reported
Full Enforcement Universe:		Not reported

NORDSTROM RACK #383 (Continued) **1024854916**

Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20180906
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name: NORDSTROM INC	
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	1700 7TH AVE
Owner/Operator City,State,Zip:	SEATTLE, WA 98101-0000
Owner/Operator Telephone:	206-303-3511
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name: DAVID COHEN	
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	1700 7TH AVE
Owner/Operator City,State,Zip:	SEATTLE, WA 98101-0000
Owner/Operator Telephone:	206-303-3511
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	20160503
Handler Name: NORDSTROM RACK #383	
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

List of NAICS Codes and Descriptions:

NAICS Code:	44814

NORDSTROM RACK #383 (Continued) **1024854916**

NAICS Description: FAMILY CLOTHING STORES

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

W146
NW
1/8-1/4
0.240 mi.
1267 ft.

Relative:
Higher

Actual:
558 ft.

ORCHARD SUPPLY HARDWARE, LLC #520 SAN MARCOS **RCRA NonGen / NLR** **1024859440**
177 S LAS POSAS RD **CAL000426519**
SAN MARCOS, CA 92078

Site 9 of 13 in cluster W

RCRA Listings:

Date Form Received by Agency:	20191122
Handler Name:	ORCHARD SUPPLY HARDWARE, LLC #520 SAN MARCOS
Handler Address:	177 S LAS POSAS RD
Handler City,State,Zip:	SAN MARCOS, CA 92078
EPA ID:	CAL000426519
Contact Name:	LAURIE LITWIN
Contact Address:	MAIN ST STE 700
Contact City,State,Zip:	IRVINE, CA 92614
Contact Telephone:	949-891-9026
Contact Fax:	Not reported
Contact Email:	LAURIE.M.LITWIN@LOWES.COM
Contact Title:	Not reported
EPA Region:	09
Land Type:	Not reported
Federal Waste Generator Description:	Not a generator, verified
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Not reported
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	MAIN ST STE 700
Mailing City,State,Zip:	IRVINE, CA 92614
Owner Name:	ORCHARD SUPPLY COMPANY, LLC
Owner Type:	Other
Operator Name:	ORCHARD SUPPLY COMPANY, LLC
Operator Type:	Other
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported

ORCHARD SUPPLY HARDWARE, LLC #520 SAN MARCOS (Continued) **1024859440**

Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20191209
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name: ORCHARD SUPPLY COMPANY, LLC	
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	2603 MAIN ST STE 700
Owner/Operator City,State,Zip:	IRVINE, CA 92614
Owner/Operator Telephone:	949-891-9026
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator

ORCHARD SUPPLY HARDWARE, LLC #520 SAN MARCOS (Continued) **1024859440**

Owner/Operator Name: ORCHARD SUPPLY COMPANY, LLC
Legal Status: Other
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: 2603 MAIN ST STE 700
Owner/Operator City,State,Zip: IRVINE, CA 92614
Owner/Operator Telephone: 949-891-9026
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:
Receive Date: 20191122
Handler Name: ORCHARD SUPPLY HARDWARE, LLC #520 SAN MARCOS
Federal Waste Generator Description: Not a generator, verified
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: No
Electronic Manifest Broker: No

List of NAICS Codes and Descriptions:
NAICS Code: 44413
NAICS Description: HARDWARE STORES

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

W147 **ROSS DRESS FOR LESS #1379** **San Diego Co. HMMD** **S118236385**
NW **181 S LAS POSAS RD** **CERS HAZ WASTE** **N/A**
1/8-1/4 **SAN MARCOS, CA 92078** **HAZNET**
0.240 mi. **CERS**
1269 ft. **Site 10 of 13 in cluster W** **HWTS**

Relative: **Higher**
Actual: **558 ft.**

HMMD SAN DIEGO:
Name: ROSS DRESS FOR LESS #1379
Address: 181 S LAS POSAS RD
City,State,Zip: SAN MARCOS, CA 92078
Permit Number: Not reported
Business Type: Not reported
EPA Id Number: CAL000397626
APN: Not reported
Last HMMD Inspection: Not reported
Facility Telephone: 760-736-8192
Permit Status: Permit Renewed
Permit Expiration: Not reported
Date Last Updated: 08/20/2021
Facility Owner: Not reported

ROSS DRESS FOR LESS #1379 (Continued) **S118236385**

Facility Mailing Address: 5130 Hacienda Dr, Dublin, CA 94568
Facility Mailing City: Not reported
Facility Mailing State: Not reported
Facility Mailing Zip: Not reported
UST Owner: N
Handle Regulated Hazmat: Not reported
Own Or Operate UST: Not reported
Subject To APSA: Not reported
Generate Haz Waste: Y
Treat Haz Waste: N
Generate Medical Waste: Not reported

Inspection Violation:
Record ID: DEH2014-HUPFP-001114
Permit Status: Permit Renewed
Active Permit: Y
Facility Id Number: 37-000-001114
Program Element: Hazardous Waste Generator
Inspection Type: Routine
Inspection Number: 6191719
Return To Compliance Date: 2019-12-10T00:00:00.000
Nov: No
Violation Classification: Minor
Underground Storage Tank Id: Not reported
Container/Tank Id: Not reported
Last Update: 2021-08-20T00:00:00.000
Inspection Date: 2019-12-04T00:00:00.000
Violation Code: HMD0150 Failed to submit complete and accurate Facility Information in CERS. 27 CCR 15188(b-c); SDCC 68.904(b)

Record ID: DEH2014-HUPFP-001114
Permit Status: Permit Renewed
Active Permit: Y
Facility Id Number: 37-000-001114
Program Element: Hazardous Waste Generator
Inspection Type: Routine
Inspection Number: 6191719
Return To Compliance Date: 2019-12-17T00:00:00.000
Nov: No
Violation Classification: Class II
Underground Storage Tank Id: Not reported
Container/Tank Id: Not reported
Last Update: 2021-08-20T00:00:00.000
Inspection Date: 2019-12-04T00:00:00.000
Violation Code: HMD0138 Manifest signed by the TSDF not available for inspection. 22 CCR 66262.40(a); HSC 25185(a)(4)

Waste and Materials:
Record ID: DEH2014-HUPFP-001114
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HWAST-0146612
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2019-12-05T01:38:05.000
Chemical Name: VARIOUS AEROSOLS
Common Name: WASTE AEROSOLS

ROSS DRESS FOR LESS #1379 (Continued) **S118236385**

Case Number: Not reported

Record ID: DEH2014-HUPFP-001114
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HWAST-0146614
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2019-12-05T01:38:05.000
Chemical Name: CORROSIVE LIQUIDS, ACIDIC
Common Name: WASTE CORROSIVE LIQUIDS
Case Number: Not reported

Record ID: DEH2014-HUPFP-001114
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HWAST-0146617
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2019-12-05T01:38:05.000
Chemical Name: TOXIC LIQUIDS
Common Name: WASTE TOXIC LIQUIDS
Case Number: Not reported

Record ID: DEH2014-HUPFP-001114
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HWAST-0110392
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2017-09-14T02:32:20.000
Chemical Name: VARIOUS AEROSOLS
Common Name: WASTE AEROSOLS
Case Number: Not reported

Record ID: DEH2014-HUPFP-001114
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HWAST-0110393
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2017-09-14T02:32:20.000
Chemical Name: CORROSIVE LIQUIDS, BASIC
Common Name: WASTE CORROSIVE LIQUIDS
Case Number: Not reported

Record ID: DEH2014-HUPFP-001114
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HWAST-0110394
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2017-09-14T02:32:20.000
Chemical Name: CORROSIVE LIQUIDS, ACIDIC
Common Name: WASTE CORROSIVE LIQUIDS
Case Number: Not reported

ROSS DRESS FOR LESS #1379 (Continued) **S118236385**

Record ID:	DEH2014-HUPFP-001114
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2017-HWAST-0110395
Trade Secret:	N
Hazardous Material Type:	Not reported
Last Updated:	2017-09-14T02:32:20.000
Chemical Name:	FLAMMABLE LIQUIDS
Common Name:	WASTE FLAMMABLE LIQUIDS
Case Number:	Not reported

Record ID:	DEH2014-HUPFP-001114
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2017-HWAST-0110396
Trade Secret:	N
Hazardous Material Type:	Not reported
Last Updated:	2017-09-14T02:32:20.000
Chemical Name:	Oxidizing Liquid
Common Name:	WASTE OXIDIZING LIQUIDS
Case Number:	Not reported

Record ID:	DEH2014-HUPFP-001114
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2017-HWAST-0110397
Trade Secret:	N
Hazardous Material Type:	Not reported
Last Updated:	2017-09-14T02:32:20.000
Chemical Name:	TOXIC LIQUIDS
Common Name:	WASTE TOXIC LIQUIDS
Case Number:	Not reported

Record ID:	DEH2014-HUPFP-001114
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2017-HWAST-0110398
Trade Secret:	N
Hazardous Material Type:	Not reported
Last Updated:	2017-09-14T02:32:20.000
Chemical Name:	Toxic Solids
Common Name:	WASTE TOXIC SOLIDS
Case Number:	Not reported

Record ID:	DEH2014-HUPFP-001114
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2017-HWAST-0110399
Trade Secret:	N
Hazardous Material Type:	Not reported
Last Updated:	2017-09-14T02:32:20.000
Chemical Name:	Broken Fluorescent Bulbs
Common Name:	Hazardous Waste Solid, Mercury
Case Number:	Not reported

Record ID:	DEH2014-HUPFP-001114
Permit Status:	Permit Renewed

ROSS DRESS FOR LESS #1379 (Continued) **S118236385**

Active Permit: Y
Child Record Id: DEH2020-HWAST-0223431
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2021-08-20T02:34:59.000
Chemical Name: VARIOUS AEROSOLS
Common Name: WASTE AEROSOLS
Case Number: Not reported

Record ID: DEH2014-HUPFP-001114
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HWAST-0223432
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2021-08-20T02:34:59.000
Chemical Name: CORROSIVE LIQUIDS, BASIC
Common Name: WASTE CORROSIVE LIQUIDS
Case Number: Not reported

Record ID: DEH2014-HUPFP-001114
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HWAST-0146613
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2019-12-05T01:38:05.000
Chemical Name: CORROSIVE LIQUIDS, BASIC
Common Name: WASTE CORROSIVE LIQUIDS
Case Number: Not reported

Record ID: DEH2014-HUPFP-001114
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HWAST-0146615
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2019-12-05T01:38:05.000
Chemical Name: FLAMMABLE LIQUIDS
Common Name: WASTE FLAMMABLE LIQUIDS
Case Number: Not reported

Record ID: DEH2014-HUPFP-001114
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HWAST-0146616
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2019-12-05T01:38:05.000
Chemical Name: Oxidizing Liquid
Common Name: WASTE OXIDIZING LIQUIDS
Case Number: Not reported

Record ID: DEH2014-HUPFP-001114
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HWAST-0146618

ROSS DRESS FOR LESS #1379 (Continued) **S118236385**

Trade Secret:	N
Hazardous Material Type:	Not reported
Last Updated:	2019-12-05T01:38:05.000
Chemical Name:	Toxic Solids
Common Name:	WASTE TOXIC SOLIDS
Case Number:	Not reported
Record ID:	DEH2014-HUPFP-001114
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2018-HWAST-0146619
Trade Secret:	N
Hazardous Material Type:	Not reported
Last Updated:	2019-12-05T01:38:05.000
Chemical Name:	Broken Fluorescent Bulbs
Common Name:	Hazardous Waste Solid, Mercury
Case Number:	Not reported
Record ID:	DEH2014-HUPFP-001114
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2020-HWAST-0223433
Trade Secret:	N
Hazardous Material Type:	Not reported
Last Updated:	2021-08-20T02:34:59.000
Chemical Name:	CORROSIVE LIQUIDS, ACIDIC
Common Name:	WASTE CORROSIVE LIQUIDS
Case Number:	Not reported
Record ID:	DEH2014-HUPFP-001114
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2020-HWAST-0223434
Trade Secret:	N
Hazardous Material Type:	Not reported
Last Updated:	2021-08-20T02:34:59.000
Chemical Name:	FLAMMABLE LIQUIDS
Common Name:	WASTE FLAMMABLE LIQUIDS
Case Number:	Not reported
Record ID:	DEH2014-HUPFP-001114
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2020-HWAST-0223435
Trade Secret:	N
Hazardous Material Type:	Not reported
Last Updated:	2021-08-20T02:34:59.000
Chemical Name:	Oxidizing Liquid
Common Name:	WASTE OXIDIZING LIQUIDS
Case Number:	Not reported
Record ID:	DEH2014-HUPFP-001114
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2020-HWAST-0223436
Trade Secret:	N
Hazardous Material Type:	Not reported

ROSS DRESS FOR LESS #1379 (Continued) **S118236385**

Last Updated: 2021-08-20T02:34:59.000
Chemical Name: TOXIC LIQUIDS
Common Name: WASTE TOXIC LIQUIDS
Case Number: Not reported

Record ID: DEH2014-HUPFP-001114
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HWAST-0223437
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2021-08-20T02:34:59.000
Chemical Name: Toxic Solids
Common Name: WASTE TOXIC SOLIDS
Case Number: Not reported

Record ID: DEH2014-HUPFP-001114
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HWAST-0223438
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2021-08-20T02:34:59.000
Chemical Name: Broken Fluorescent Bulbs
Common Name: Hazardous Waste Solid, Mercury
Case Number: Not reported

Record ID: DEH2014-HUPFP-001114
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2019-HWAST-0211557
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2019-12-25T01:55:03.000
Chemical Name: VARIOUS AEROSOLS
Common Name: WASTE AEROSOLS
Case Number: Not reported

Record ID: DEH2014-HUPFP-001114
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2019-HWAST-0211558
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2019-12-25T01:55:03.000
Chemical Name: CORROSIVE LIQUIDS, BASIC
Common Name: WASTE CORROSIVE LIQUIDS
Case Number: Not reported

Record ID: DEH2014-HUPFP-001114
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2019-HWAST-0211559
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2019-12-25T01:55:03.000
Chemical Name: CORROSIVE LIQUIDS, ACIDIC

ROSS DRESS FOR LESS #1379 (Continued) **S118236385**

Common Name: WASTE CORROSIVE LIQUIDS
Case Number: Not reported

Record ID: DEH2014-HUPFP-001114
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2019-HWAST-0211560
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2019-12-25T01:55:03.000
Chemical Name: FLAMMABLE LIQUIDS
Common Name: WASTE FLAMMABLE LIQUIDS
Case Number: Not reported

Record ID: DEH2014-HUPFP-001114
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2019-HWAST-0211561
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2019-12-25T01:55:03.000
Chemical Name: Oxidizing Liquid
Common Name: WASTE OXIDIZING LIQUIDS
Case Number: Not reported

Record ID: DEH2014-HUPFP-001114
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2019-HWAST-0211562
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2019-12-25T01:55:03.000
Chemical Name: TOXIC LIQUIDS
Common Name: WASTE TOXIC LIQUIDS
Case Number: Not reported

Record ID: DEH2014-HUPFP-001114
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2019-HWAST-0211563
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2019-12-25T01:55:03.000
Chemical Name: Toxic Solids
Common Name: WASTE TOXIC SOLIDS
Case Number: Not reported

Record ID: DEH2014-HUPFP-001114
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2019-HWAST-0211564
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2019-12-25T01:55:03.000
Chemical Name: Broken Fluorescent Bulbs
Common Name: Hazardous Waste Solid, Mercury
Case Number: Not reported

ROSS DRESS FOR LESS #1379 (Continued) **S118236385**

CERS HAZ WASTE:
Name: ROSS DRESS FOR LESS #1379
Address: 181 S LAS POSAS RD
City,State,Zip: SAN MARCOS, CA 92078
Site ID: 63001
CERS ID: 10521613
CERS Description: Hazardous Waste Generator

HAZNET:
Name: ROSS DRESS FOR LESS #1379
Address: 181 S LAS POSAS RD
Address 2: Not reported
City,State,Zip: SAN MARCOS, CA 920782419
Contact: KATHY HATCH
Telephone: 9259654015
Mailing Name: Not reported
Mailing Address: 5130 HACIENDA DR

Year: 2021
Gepaid: CAL000397626
TSD EPA ID: CAD044429835
CA Waste Code: 331 - Off-specification, aged or surplus organics
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.344

Year: 2020
Gepaid: CAL000397626
TSD EPA ID: AZR000515924
CA Waste Code: 331 - Off-specification, aged or surplus organics
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.0455

Year: 2020
Gepaid: CAL000397626
TSD EPA ID: NED981723513
CA Waste Code: 331 - Off-specification, aged or surplus organics
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.001

Year: 2020
Gepaid: CAL000397626
TSD EPA ID: AZD081705402
CA Waste Code: 141 - Off-specification, aged or surplus inorganics
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.088

Year: 2020
Gepaid: CAL000397626
TSD EPA ID: NED981723513
CA Waste Code: 181 - Other inorganic solid waste
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)

ROSS DRESS FOR LESS #1379 (Continued) **S118236385**

Tons: 0.0005

Year: 2020
Gepaid: CAL000397626
TSD EPA ID: NVD980895338
CA Waste Code: 331 - Off-specification, aged or surplus organics
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.0085

Year: 2020
Gepaid: CAL000397626
TSD EPA ID: UTD981552177
CA Waste Code: 331 - Off-specification, aged or surplus organics
Disposal Method: H040 - Incineration--Thermal Destruction Other Than Use As A Fuel
Tons: 0.097

Year: 2020
Gepaid: CAL000397626
TSD EPA ID: UTD981552177
CA Waste Code: 331 - Off-specification, aged or surplus organics
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.002

Year: 2020
Gepaid: CAL000397626
TSD EPA ID: NED981723513
CA Waste Code: 331 - Off-specification, aged or surplus organics
Disposal Method: H040 - Incineration--Thermal Destruction Other Than Use As A Fuel
Tons: 0.163

Year: 2020
Gepaid: CAL000397626
TSD EPA ID: AZD081705402
CA Waste Code: 331 - Off-specification, aged or surplus organics
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.0105

Click this hyperlink while viewing on your computer to access
12 additional CA HAZNET: record(s) in the EDR Site Report.

Detail Two:
Year: 2020
EM Manifest ID: a287a799-4ab9-471e-9fe1-c93fd865a799
Shipment Date: 9/21/2020
Receipt Date: 10/12/2020
Manifest Number: 013899090FLE
Generator EPA ID: CAL000397626
Name: ROSS STORES 1379
Address: 181 S. LAS POSAS RD.
Address 2: Not reported
City: SAN MARCOS
Zip: 92078
Telephone: 800-483-3718

ROSS DRESS FOR LESS #1379 (Continued) **S118236385**

Contact:	Manager Store
Contact Telephone:	760-736-8192
Transporter 1 EPA ID:	MAD039322250
Transporter 1 Emergency Number:	Not reported
Transporter 2 EPA ID:	MOD095038998
Transporter 2 Emergency Number:	Not reported
TSDF EPA ID:	NED981723513
TSDF Name:	Clean Harbors Environmental Services, Inc.
TSDF Address 1:	2247 South Highway 71
TSDF Address 2:	Not reported
TSDF City:	Kimball
TSDF Zip:	69145
TSDF Telephone:	800-483-3718

Federal:

Year:	2020
EM Manifest ID:	a287a799-4ab9-471e-9fe1-c93fd865a799
Generator EPA ID:	CAL000397626
Shipment Date:	2020-09-21
Manifest Number:	013899090FLE
Line Number:	1
Method Code:	H040
Quantity Tons:	0.02000
Quantity Waste:	40.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
Federal Code:	D001

Year:	2020
EM Manifest ID:	a287a799-4ab9-471e-9fe1-c93fd865a799
Generator EPA ID:	CAL000397626
Shipment Date:	2020-09-21
Manifest Number:	013899090FLE
Line Number:	1
Method Code:	H040
Quantity Tons:	0.02000
Quantity Waste:	40.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
Federal Code:	D018

Year:	2020
EM Manifest ID:	a287a799-4ab9-471e-9fe1-c93fd865a799
Generator EPA ID:	CAL000397626
Shipment Date:	2020-09-21
Manifest Number:	013899090FLE
Line Number:	1
Method Code:	H040
Quantity Tons:	0.02000
Quantity Waste:	40.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds

ROSS DRESS FOR LESS #1379 (Continued) **S118236385**

Federal Code:	D035
Year:	2020
EM Manifest ID:	a287a799-4ab9-471e-9fe1-c93fd865a799
Generator EPA ID:	CAL000397626
Shipment Date:	2020-09-21
Manifest Number:	013899090FLE
Line Number:	1
Method Code:	H040
Quantity Tons:	0.02000
Quantity Waste:	40.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
Federal Code:	U002
Year:	2020
EM Manifest ID:	a287a799-4ab9-471e-9fe1-c93fd865a799
Generator EPA ID:	CAL000397626
Shipment Date:	2020-09-21
Manifest Number:	013899090FLE
Line Number:	1
Method Code:	H040
Quantity Tons:	0.02000
Quantity Waste:	40.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
Federal Code:	U019
Year:	2020
EM Manifest ID:	a287a799-4ab9-471e-9fe1-c93fd865a799
Generator EPA ID:	CAL000397626
Shipment Date:	2020-09-21
Manifest Number:	013899090FLE
Line Number:	1
Method Code:	H040
Quantity Tons:	0.02000
Quantity Waste:	40.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
Federal Code:	U154
Year:	2020
EM Manifest ID:	a287a799-4ab9-471e-9fe1-c93fd865a799
Generator EPA ID:	CAL000397626
Shipment Date:	2020-09-21
Manifest Number:	013899090FLE
Line Number:	1
Method Code:	H040
Quantity Tons:	0.02000
Quantity Waste:	40.000000
Quantity Unit:	P

ROSS DRESS FOR LESS #1379 (Continued) **S118236385**

Number of Containers: 1
Type of Container: Fiber or plastic boxes, cartons, cases
Quantity Type: Pounds
Federal Code: U159

State:
Year: 2020
EM Manifest ID: a287a799-4ab9-471e-9fe1-c93fd865a799
Generator EPA ID: CAL000397626
Shipment Date: 2020-09-21
Manifest Number: 013899090FLE
Line Number: 1
Method Code: H040
Quantity Tons: 0.02000
Quantity Waste: 40.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: Fiber or plastic boxes, cartons, cases
Quantity Type: Pounds
State Code: 331

Year: 2020
EM Manifest ID: a287a799-4ab9-471e-9fe1-c93fd865a799
Generator EPA ID: CAL000397626
Shipment Date: 2020-09-21
Manifest Number: 013899090FLE
Line Number: 2
Method Code: H040
Quantity Tons: 0.09500
Quantity Waste: 190.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: Fiber or plastic boxes, cartons, cases
Quantity Type: Pounds
State Code: 331

Year: 2020
EM Manifest ID: 886119
Shipment Date: 8/14/2019
Receipt Date: 8/22/2019
Manifest Number: 002437983PSC
Generator EPA ID: CAL000397626
Name: ROSS #1379
Address: 181 S. LAS POSAS RD
Address 2: Not reported
City: SAN MARCOS
Zip: 92078
Telephone: 877-577-2669
Contact: Not reported
Contact Telephone: 323-776-6233
Transporter 1 EPA ID: MNS000110924
Transporter 1 Emergency Number: Not reported
Transporter 2 EPA ID: CAR000217554
Transporter 2 Emergency Number: Not reported
TSDF EPA ID: CAD008364432
TSDF Name: Rho Chem LLC

ROSS DRESS FOR LESS #1379 (Continued) **S118236385**

TSDF Address 1: 425 Isis Ave.
TSDF Address 2: Not reported
TSDF City: Inglewood
TSDF Zip: 90301
TSDF Telephone: Not reported

Federal:
Year: 2020
EM Manifest ID: 886119
Generator EPA ID: CAL000397626
Shipment Date: 2019-08-14
Manifest Number: 002437983PSC
Line Number: 1
Method Code: H141
Quantity Tons: 0.00300
Quantity Waste: 6.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: Fiber or plastic boxes, cartons, cases
Quantity Type: Pounds
Federal Code: D002

State:
Year: 2020
EM Manifest ID: 886119
Generator EPA ID: CAL000397626
Shipment Date: 2019-08-14
Manifest Number: 002437983PSC
Line Number: 1
Method Code: H141
Quantity Tons: 0.00300
Quantity Waste: 6.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: Fiber or plastic boxes, cartons, cases
Quantity Type: Pounds
State Code: 122

Year: 2020
EM Manifest ID: 894199
Shipment Date: 8/14/2019
Receipt Date: 9/4/2019
Manifest Number: 002437994PSC
Generator EPA ID: CAL000397626
Name: ROSS #1379
Address: 181 S. LAS POSAS RD
Address 2: Not reported
City: SAN MARCOS
Zip: 92078
Telephone: 877-577-2669
Contact: Not reported
Contact Telephone: 775-575-2760
Transporter 1 EPA ID: MNS000110924
Transporter 1 Emergency Number: Not reported
Transporter 2 EPA ID: MOD095038998
Transporter 2 Emergency Number: Not reported

ROSS DRESS FOR LESS #1379 (Continued) **S118236385**

TSDF EPA ID:	NVD980895338
TSDF Name:	21st Century Environmental Management of Nevada, LLC
TSDF Address 1:	2095 Newlands Drive East
TSDF Address 2:	Not reported
TSDF City:	Fernley
TSDF Zip:	89408
TSDF Telephone:	Not reported

Federal:

Year:	2020
EM Manifest ID:	894199
Generator EPA ID:	CAL000397626
Shipment Date:	2019-08-14
Manifest Number:	002437994PSC
Line Number:	1
Method Code:	H141
Quantity Tons:	0.00950
Quantity Waste:	19.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
Federal Code:	D001

Year:	2020
EM Manifest ID:	894199
Generator EPA ID:	CAL000397626
Shipment Date:	2019-08-14
Manifest Number:	002437994PSC
Line Number:	2
Method Code:	H141
Quantity Tons:	0.01100
Quantity Waste:	22.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
Federal Code:	D001

State:

Year:	2020
EM Manifest ID:	894199
Generator EPA ID:	CAL000397626
Shipment Date:	2019-08-14
Manifest Number:	002437994PSC
Line Number:	1
Method Code:	H141
Quantity Tons:	0.00950
Quantity Waste:	19.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
State Code:	331

Year:	2020
EM Manifest ID:	894199

ROSS DRESS FOR LESS #1379 (Continued) **S118236385**

Generator EPA ID:	CAL000397626
Shipment Date:	2019-08-14
Manifest Number:	002437994PSC
Line Number:	2
Method Code:	H141
Quantity Tons:	0.01100
Quantity Waste:	22.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
State Code:	331

Year:	2020
EM Manifest ID:	888880
Shipment Date:	7/9/2019
Receipt Date:	8/5/2019
Manifest Number:	002389196PSC
Generator EPA ID:	CAL000397626
Name:	ROSS #1379
Address:	181 S. LAS POSAS RD
Address 2:	Not reported
City:	SAN MARCOS
Zip:	92078
Telephone:	877-577-2669
Contact:	Not reported
Contact Telephone:	775-575-2760
Transporter 1 EPA ID:	MNS000110924
Transporter 1 Emergency Number:	Not reported
Transporter 2 EPA ID:	MOD095038998
Transporter 2 Emergency Number:	Not reported
TSDF EPA ID:	NVD980895338
TSDF Name:	21st Century Environmental Management of Nevada, LLC
TSDF Address 1:	2095 Newlands Drive East
TSDF Address 2:	Not reported
TSDF City:	Fernley
TSDF Zip:	89408
TSDF Telephone:	Not reported

Federal:

Year:	2020
EM Manifest ID:	888880
Generator EPA ID:	CAL000397626
Shipment Date:	2019-07-09
Manifest Number:	002389196PSC
Line Number:	2
Method Code:	H141
Quantity Tons:	0.00750
Quantity Waste:	15.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
Federal Code:	D001

State:

ROSS DRESS FOR LESS #1379 (Continued) **S118236385**

Year:	2020
EM Manifest ID:	888880
Generator EPA ID:	CAL000397626
Shipment Date:	2019-07-09
Manifest Number:	002389196PSC
Line Number:	2
Method Code:	H141
Quantity Tons:	0.00750
Quantity Waste:	15.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
State Code:	331

Year:	2020
EM Manifest ID:	7798fae6-a631-4732-811a-fa6930d1db76
Shipment Date:	7/31/2020
Receipt Date:	8/10/2020
Manifest Number:	013448712FLE
Generator EPA ID:	CAL000397626
Name:	ROSS STORES 1379
Address:	181 S. LAS POSAS RD.
Address 2:	Not reported
City:	SAN MARCOS
Zip:	92078
Telephone:	800-483-3718
Contact:	Manager Store
Contact Telephone:	760-736-8192
Transporter 1 EPA ID:	MAD039322250
Transporter 1 Emergency Number:	Not reported
Transporter 2 EPA ID:	MAD039322250
Transporter 2 Emergency Number:	Not reported
TSDF EPA ID:	NED981723513
TSDF Name:	Clean Harbors Environmental Services, Inc.
TSDF Address 1:	2247 South Highway 71
TSDF Address 2:	Not reported
TSDF City:	Kimball
TSDF Zip:	69145
TSDF Telephone:	800-483-3718

Federal:

Year:	2020
EM Manifest ID:	7798fae6-a631-4732-811a-fa6930d1db76
Generator EPA ID:	CAL000397626
Shipment Date:	2020-07-31
Manifest Number:	013448712FLE
Line Number:	1
Method Code:	H141
Quantity Tons:	0.00100
Quantity Waste:	2.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
Federal Code:	D001

ROSS DRESS FOR LESS #1379 (Continued) **S118236385**

Year:	2020
EM Manifest ID:	7798fae6-a631-4732-811a-fa6930d1db76
Generator EPA ID:	CAL000397626
Shipment Date:	2020-07-31
Manifest Number:	013448712FLE
Line Number:	1
Method Code:	H141
Quantity Tons:	0.00100
Quantity Waste:	2.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
Federal Code:	D035

Year:	2020
EM Manifest ID:	7798fae6-a631-4732-811a-fa6930d1db76
Generator EPA ID:	CAL000397626
Shipment Date:	2020-07-31
Manifest Number:	013448712FLE
Line Number:	2
Method Code:	H040
Quantity Tons:	0.00700
Quantity Waste:	14.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
Federal Code:	D001

Year:	2020
EM Manifest ID:	7798fae6-a631-4732-811a-fa6930d1db76
Generator EPA ID:	CAL000397626
Shipment Date:	2020-07-31
Manifest Number:	013448712FLE
Line Number:	2
Method Code:	H040
Quantity Tons:	0.00700
Quantity Waste:	14.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
Federal Code:	D018

Year:	2020
EM Manifest ID:	7798fae6-a631-4732-811a-fa6930d1db76
Generator EPA ID:	CAL000397626
Shipment Date:	2020-07-31
Manifest Number:	013448712FLE
Line Number:	2
Method Code:	H040
Quantity Tons:	0.00700
Quantity Waste:	14.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiber or plastic boxes, cartons, cases

ROSS DRESS FOR LESS #1379 (Continued) **S118236385**

Quantity Type:	Pounds
Federal Code:	D035
Year:	2020
EM Manifest ID:	7798fae6-a631-4732-811a-fa6930d1db76
Generator EPA ID:	CAL000397626
Shipment Date:	2020-07-31
Manifest Number:	013448712FLE
Line Number:	2
Method Code:	H040
Quantity Tons:	0.00700
Quantity Waste:	14.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
Federal Code:	U002
Year:	2020
EM Manifest ID:	7798fae6-a631-4732-811a-fa6930d1db76
Generator EPA ID:	CAL000397626
Shipment Date:	2020-07-31
Manifest Number:	013448712FLE
Line Number:	2
Method Code:	H040
Quantity Tons:	0.00700
Quantity Waste:	14.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
Federal Code:	U019
Year:	2020
EM Manifest ID:	7798fae6-a631-4732-811a-fa6930d1db76
Generator EPA ID:	CAL000397626
Shipment Date:	2020-07-31
Manifest Number:	013448712FLE
Line Number:	2
Method Code:	H040
Quantity Tons:	0.00700
Quantity Waste:	14.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
Federal Code:	U154
Year:	2020
EM Manifest ID:	7798fae6-a631-4732-811a-fa6930d1db76
Generator EPA ID:	CAL000397626
Shipment Date:	2020-07-31
Manifest Number:	013448712FLE
Line Number:	2
Method Code:	H040
Quantity Tons:	0.00700
Quantity Waste:	14.000000

ROSS DRESS FOR LESS #1379 (Continued) **S118236385**

Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
Federal Code:	U159
Year:	2020
EM Manifest ID:	7798fae6-a631-4732-811a-fa6930d1db76
Generator EPA ID:	CAL000397626
Shipment Date:	2020-07-31
Manifest Number:	013448712FLE
Line Number:	3
Method Code:	H040
Quantity Tons:	0.04100
Quantity Waste:	82.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
Federal Code:	D004
Year:	2020
EM Manifest ID:	7798fae6-a631-4732-811a-fa6930d1db76
Generator EPA ID:	CAL000397626
Shipment Date:	2020-07-31
Manifest Number:	013448712FLE
Line Number:	3
Method Code:	H040
Quantity Tons:	0.04100
Quantity Waste:	82.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
Federal Code:	D005
Year:	2020
EM Manifest ID:	7798fae6-a631-4732-811a-fa6930d1db76
Generator EPA ID:	CAL000397626
Shipment Date:	2020-07-31
Manifest Number:	013448712FLE
Line Number:	3
Method Code:	H040
Quantity Tons:	0.04100
Quantity Waste:	82.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
Federal Code:	D006
Year:	2020
EM Manifest ID:	7798fae6-a631-4732-811a-fa6930d1db76
Generator EPA ID:	CAL000397626
Shipment Date:	2020-07-31
Manifest Number:	013448712FLE
Line Number:	3

ROSS DRESS FOR LESS #1379 (Continued) **S118236385**

Method Code:	H040
Quantity Tons:	0.04100
Quantity Waste:	82.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
Federal Code:	D007
Year:	2020
EM Manifest ID:	7798fae6-a631-4732-811a-fa6930d1db76
Generator EPA ID:	CAL000397626
Shipment Date:	2020-07-31
Manifest Number:	013448712FLE
Line Number:	3
Method Code:	H040
Quantity Tons:	0.04100
Quantity Waste:	82.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
Federal Code:	D008
Year:	2020
EM Manifest ID:	7798fae6-a631-4732-811a-fa6930d1db76
Generator EPA ID:	CAL000397626
Shipment Date:	2020-07-31
Manifest Number:	013448712FLE
Line Number:	3
Method Code:	H040
Quantity Tons:	0.04100
Quantity Waste:	82.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
Federal Code:	D010
Year:	2020
EM Manifest ID:	7798fae6-a631-4732-811a-fa6930d1db76
Generator EPA ID:	CAL000397626
Shipment Date:	2020-07-31
Manifest Number:	013448712FLE
Line Number:	3
Method Code:	H040
Quantity Tons:	0.04100
Quantity Waste:	82.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
Federal Code:	D011
Year:	2020
EM Manifest ID:	7798fae6-a631-4732-811a-fa6930d1db76
Generator EPA ID:	CAL000397626

ROSS DRESS FOR LESS #1379 (Continued) **S118236385**

Shipment Date:	2020-07-31
Manifest Number:	013448712FLE
Line Number:	3
Method Code:	H040
Quantity Tons:	0.04100
Quantity Waste:	82.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
Federal Code:	D012

Year:	2020
EM Manifest ID:	7798fae6-a631-4732-811a-fa6930d1db76
Generator EPA ID:	CAL000397626
Shipment Date:	2020-07-31
Manifest Number:	013448712FLE
Line Number:	3
Method Code:	H040
Quantity Tons:	0.04100
Quantity Waste:	82.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
Federal Code:	D013

Year:	2020
EM Manifest ID:	7798fae6-a631-4732-811a-fa6930d1db76
Generator EPA ID:	CAL000397626
Shipment Date:	2020-07-31
Manifest Number:	013448712FLE
Line Number:	3
Method Code:	H040
Quantity Tons:	0.04100
Quantity Waste:	82.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
Federal Code:	D014

Year:	2020
EM Manifest ID:	7798fae6-a631-4732-811a-fa6930d1db76
Generator EPA ID:	CAL000397626
Shipment Date:	2020-07-31
Manifest Number:	013448712FLE
Line Number:	3
Method Code:	H040
Quantity Tons:	0.04100
Quantity Waste:	82.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
Federal Code:	D015

ROSS DRESS FOR LESS #1379 (Continued) **S118236385**

Year:	2020
EM Manifest ID:	7798fae6-a631-4732-811a-fa6930d1db76
Generator EPA ID:	CAL000397626
Shipment Date:	2020-07-31
Manifest Number:	013448712FLE
Line Number:	3
Method Code:	H040
Quantity Tons:	0.04100
Quantity Waste:	82.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
Federal Code:	D016

Year:	2020
EM Manifest ID:	7798fae6-a631-4732-811a-fa6930d1db76
Generator EPA ID:	CAL000397626
Shipment Date:	2020-07-31
Manifest Number:	013448712FLE
Line Number:	3
Method Code:	H040
Quantity Tons:	0.04100
Quantity Waste:	82.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
Federal Code:	D019

Year:	2020
EM Manifest ID:	7798fae6-a631-4732-811a-fa6930d1db76
Generator EPA ID:	CAL000397626
Shipment Date:	2020-07-31
Manifest Number:	013448712FLE
Line Number:	3
Method Code:	H040
Quantity Tons:	0.04100
Quantity Waste:	82.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
Federal Code:	D020

Year:	2020
EM Manifest ID:	7798fae6-a631-4732-811a-fa6930d1db76
Generator EPA ID:	CAL000397626
Shipment Date:	2020-07-31
Manifest Number:	013448712FLE
Line Number:	3
Method Code:	H040
Quantity Tons:	0.04100
Quantity Waste:	82.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiber or plastic boxes, cartons, cases

ROSS DRESS FOR LESS #1379 (Continued) **S118236385**

Quantity Type:	Pounds
Federal Code:	D022
Year:	2020
EM Manifest ID:	7798fae6-a631-4732-811a-fa6930d1db76
Generator EPA ID:	CAL000397626
Shipment Date:	2020-07-31
Manifest Number:	013448712FLE
Line Number:	3
Method Code:	H040
Quantity Tons:	0.04100
Quantity Waste:	82.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
Federal Code:	D026
Year:	2020
EM Manifest ID:	7798fae6-a631-4732-811a-fa6930d1db76
Generator EPA ID:	CAL000397626
Shipment Date:	2020-07-31
Manifest Number:	013448712FLE
Line Number:	3
Method Code:	H040
Quantity Tons:	0.04100
Quantity Waste:	82.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
Federal Code:	D027
Year:	2020
EM Manifest ID:	7798fae6-a631-4732-811a-fa6930d1db76
Generator EPA ID:	CAL000397626
Shipment Date:	2020-07-31
Manifest Number:	013448712FLE
Line Number:	3
Method Code:	H040
Quantity Tons:	0.04100
Quantity Waste:	82.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
Federal Code:	D031
Year:	2020
EM Manifest ID:	7798fae6-a631-4732-811a-fa6930d1db76
Generator EPA ID:	CAL000397626
Shipment Date:	2020-07-31
Manifest Number:	013448712FLE
Line Number:	3
Method Code:	H040
Quantity Tons:	0.04100
Quantity Waste:	82.000000

ROSS DRESS FOR LESS #1379 (Continued) **S118236385**

Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
Federal Code:	D039
Year:	2020
EM Manifest ID:	7798fae6-a631-4732-811a-fa6930d1db76
Generator EPA ID:	CAL000397626
Shipment Date:	2020-07-31
Manifest Number:	013448712FLE
Line Number:	3
Method Code:	H040
Quantity Tons:	0.04100
Quantity Waste:	82.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
Federal Code:	D040
Year:	2020
EM Manifest ID:	7798fae6-a631-4732-811a-fa6930d1db76
Generator EPA ID:	CAL000397626
Shipment Date:	2020-07-31
Manifest Number:	013448712FLE
Line Number:	3
Method Code:	H040
Quantity Tons:	0.04100
Quantity Waste:	82.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
Federal Code:	D043
Year:	2020
EM Manifest ID:	7798fae6-a631-4732-811a-fa6930d1db76
Generator EPA ID:	CAL000397626
Shipment Date:	2020-07-31
Manifest Number:	013448712FLE
Line Number:	3
Method Code:	H040
Quantity Tons:	0.04100
Quantity Waste:	82.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
Federal Code:	U035
Year:	2020
EM Manifest ID:	7798fae6-a631-4732-811a-fa6930d1db76
Generator EPA ID:	CAL000397626
Shipment Date:	2020-07-31
Manifest Number:	013448712FLE
Line Number:	3

ROSS DRESS FOR LESS #1379 (Continued) **S118236385**

Method Code:	H040
Quantity Tons:	0.04100
Quantity Waste:	82.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
Federal Code:	U036
Year:	2020
EM Manifest ID:	7798fae6-a631-4732-811a-fa6930d1db76
Generator EPA ID:	CAL000397626
Shipment Date:	2020-07-31
Manifest Number:	013448712FLE
Line Number:	3
Method Code:	H040
Quantity Tons:	0.04100
Quantity Waste:	82.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
Federal Code:	U043
Year:	2020
EM Manifest ID:	7798fae6-a631-4732-811a-fa6930d1db76
Generator EPA ID:	CAL000397626
Shipment Date:	2020-07-31
Manifest Number:	013448712FLE
Line Number:	3
Method Code:	H040
Quantity Tons:	0.04100
Quantity Waste:	82.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
Federal Code:	U044
Year:	2020
EM Manifest ID:	7798fae6-a631-4732-811a-fa6930d1db76
Generator EPA ID:	CAL000397626
Shipment Date:	2020-07-31
Manifest Number:	013448712FLE
Line Number:	3
Method Code:	H040
Quantity Tons:	0.04100
Quantity Waste:	82.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
Federal Code:	U052
Year:	2020
EM Manifest ID:	7798fae6-a631-4732-811a-fa6930d1db76
Generator EPA ID:	CAL000397626

ROSS DRESS FOR LESS #1379 (Continued) **S118236385**

Shipment Date:	2020-07-31
Manifest Number:	013448712FLE
Line Number:	3
Method Code:	H040
Quantity Tons:	0.04100
Quantity Waste:	82.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
Federal Code:	U058
Year:	2020
EM Manifest ID:	7798fae6-a631-4732-811a-fa6930d1db76
Generator EPA ID:	CAL000397626
Shipment Date:	2020-07-31
Manifest Number:	013448712FLE
Line Number:	3
Method Code:	H040
Quantity Tons:	0.04100
Quantity Waste:	82.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
Federal Code:	U072
Year:	2020
EM Manifest ID:	7798fae6-a631-4732-811a-fa6930d1db76
Generator EPA ID:	CAL000397626
Shipment Date:	2020-07-31
Manifest Number:	013448712FLE
Line Number:	3
Method Code:	H040
Quantity Tons:	0.04100
Quantity Waste:	82.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
Federal Code:	U080
Year:	2020
EM Manifest ID:	7798fae6-a631-4732-811a-fa6930d1db76
Generator EPA ID:	CAL000397626
Shipment Date:	2020-07-31
Manifest Number:	013448712FLE
Line Number:	3
Method Code:	H040
Quantity Tons:	0.04100
Quantity Waste:	82.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
Federal Code:	U129

ROSS DRESS FOR LESS #1379 (Continued) **S118236385**

Year:	2020
EM Manifest ID:	7798fae6-a631-4732-811a-fa6930d1db76
Generator EPA ID:	CAL000397626
Shipment Date:	2020-07-31
Manifest Number:	013448712FLE
Line Number:	3
Method Code:	H040
Quantity Tons:	0.04100
Quantity Waste:	82.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
Federal Code:	U188

Year:	2020
EM Manifest ID:	7798fae6-a631-4732-811a-fa6930d1db76
Generator EPA ID:	CAL000397626
Shipment Date:	2020-07-31
Manifest Number:	013448712FLE
Line Number:	3
Method Code:	H040
Quantity Tons:	0.04100
Quantity Waste:	82.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
Federal Code:	U201

Year:	2020
EM Manifest ID:	7798fae6-a631-4732-811a-fa6930d1db76
Generator EPA ID:	CAL000397626
Shipment Date:	2020-07-31
Manifest Number:	013448712FLE
Line Number:	3
Method Code:	H040
Quantity Tons:	0.04100
Quantity Waste:	82.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
Federal Code:	U210

Year:	2020
EM Manifest ID:	7798fae6-a631-4732-811a-fa6930d1db76
Generator EPA ID:	CAL000397626
Shipment Date:	2020-07-31
Manifest Number:	013448712FLE
Line Number:	3
Method Code:	H040
Quantity Tons:	0.04100
Quantity Waste:	82.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiber or plastic boxes, cartons, cases

ROSS DRESS FOR LESS #1379 (Continued) **S118236385**

Quantity Type:	Pounds
Federal Code:	U211
Year:	2020
EM Manifest ID:	7798fae6-a631-4732-811a-fa6930d1db76
Generator EPA ID:	CAL000397626
Shipment Date:	2020-07-31
Manifest Number:	013448712FLE
Line Number:	3
Method Code:	H040
Quantity Tons:	0.04100
Quantity Waste:	82.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
Federal Code:	U226
Year:	2020
EM Manifest ID:	7798fae6-a631-4732-811a-fa6930d1db76
Generator EPA ID:	CAL000397626
Shipment Date:	2020-07-31
Manifest Number:	013448712FLE
Line Number:	3
Method Code:	H040
Quantity Tons:	0.04100
Quantity Waste:	82.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
Federal Code:	U228
Year:	2020
EM Manifest ID:	7798fae6-a631-4732-811a-fa6930d1db76
Generator EPA ID:	CAL000397626
Shipment Date:	2020-07-31
Manifest Number:	013448712FLE
Line Number:	3
Method Code:	H040
Quantity Tons:	0.04100
Quantity Waste:	82.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
Federal Code:	U240
Year:	2020
EM Manifest ID:	7798fae6-a631-4732-811a-fa6930d1db76
Generator EPA ID:	CAL000397626
Shipment Date:	2020-07-31
Manifest Number:	013448712FLE
Line Number:	3
Method Code:	H040
Quantity Tons:	0.04100
Quantity Waste:	82.000000

ROSS DRESS FOR LESS #1379 (Continued) **S118236385**

Quantity Unit: P
Number of Containers: 1
Type of Container: Fiber or plastic boxes, cartons, cases
Quantity Type: Pounds
Federal Code: U247

Year: 2020
EM Manifest ID: 7798fae6-a631-4732-811a-fa6930d1db76
Generator EPA ID: CAL000397626
Shipment Date: 2020-07-31
Manifest Number: 013448712FLE
Line Number: 3
Method Code: H040
Quantity Tons: 0.04100
Quantity Waste: 82.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: Fiber or plastic boxes, cartons, cases
Quantity Type: Pounds
Federal Code: U248

Year: 2020
EM Manifest ID: 7798fae6-a631-4732-811a-fa6930d1db76
Generator EPA ID: CAL000397626
Shipment Date: 2020-07-31
Manifest Number: 013448712FLE
Line Number: 3
Method Code: H040
Quantity Tons: 0.04100
Quantity Waste: 82.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: Fiber or plastic boxes, cartons, cases
Quantity Type: Pounds
Federal Code: U279

Year: 2020
EM Manifest ID: 7798fae6-a631-4732-811a-fa6930d1db76
Generator EPA ID: CAL000397626
Shipment Date: 2020-07-31
Manifest Number: 013448712FLE
Line Number: 4
Method Code: H141
Quantity Tons: 0.00050
Quantity Waste: 1.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: Fiber or plastic boxes, cartons, cases
Quantity Type: Pounds
Federal Code: D009

State:
Year: 2020
EM Manifest ID: 7798fae6-a631-4732-811a-fa6930d1db76
Generator EPA ID: CAL000397626
Shipment Date: 2020-07-31
Manifest Number: 013448712FLE

ROSS DRESS FOR LESS #1379 (Continued) **S118236385**

Line Number:	1
Method Code:	H141
Quantity Tons:	0.00100
Quantity Waste:	2.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
State Code:	331

Year:	2020
EM Manifest ID:	7798fae6-a631-4732-811a-fa6930d1db76
Generator EPA ID:	CAL000397626
Shipment Date:	2020-07-31
Manifest Number:	013448712FLE
Line Number:	2
Method Code:	H040
Quantity Tons:	0.00700
Quantity Waste:	14.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
State Code:	331

Year:	2020
EM Manifest ID:	7798fae6-a631-4732-811a-fa6930d1db76
Generator EPA ID:	CAL000397626
Shipment Date:	2020-07-31
Manifest Number:	013448712FLE
Line Number:	3
Method Code:	H040
Quantity Tons:	0.04100
Quantity Waste:	82.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
State Code:	331

Year:	2020
EM Manifest ID:	7798fae6-a631-4732-811a-fa6930d1db76
Generator EPA ID:	CAL000397626
Shipment Date:	2020-07-31
Manifest Number:	013448712FLE
Line Number:	4
Method Code:	H141
Quantity Tons:	0.00050
Quantity Waste:	1.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
State Code:	181

Year:	2020

ROSS DRESS FOR LESS #1379 (Continued) **S118236385**

EM Manifest ID:	1107775
Shipment Date:	2/18/2020
Receipt Date:	3/3/2020
Manifest Number:	002683921PSC
Generator EPA ID:	CAL000397626
Name:	ROSS #1379
Address:	181 S. LAS POSAS RD
Address 2:	Not reported
City:	SAN MARCOS
Zip:	92078
Telephone:	877-577-2669
Contact:	Not reported
Contact Telephone:	775-575-2760
Transporter 1 EPA ID:	MNS000110924
Transporter 1 Emergency Number:	Not reported
Transporter 2 EPA ID:	CAR000217554
Transporter 2 Emergency Number:	Not reported
TSDF EPA ID:	NVD980895338
TSDF Name:	21st Century Environmental Management of Nevada, LLC
TSDF Address 1:	2095 Newlands Drive East
TSDF Address 2:	Not reported
TSDF City:	Fernley
TSDF Zip:	89408
TSDF Telephone:	Not reported

Federal:

Year:	2020
EM Manifest ID:	1107775
Generator EPA ID:	CAL000397626
Shipment Date:	2020-02-18
Manifest Number:	002683921PSC
Line Number:	1
Method Code:	H141
Quantity Tons:	0.00300
Quantity Waste:	6.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
Federal Code:	D001

Year:	2020
EM Manifest ID:	1107775
Generator EPA ID:	CAL000397626
Shipment Date:	2020-02-18
Manifest Number:	002683921PSC
Line Number:	2
Method Code:	H141
Quantity Tons:	0.00550
Quantity Waste:	11.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
Federal Code:	D001

State:

ROSS DRESS FOR LESS #1379 (Continued) **S118236385**

Year:	2020
EM Manifest ID:	1107775
Generator EPA ID:	CAL000397626
Shipment Date:	2020-02-18
Manifest Number:	002683921PSC
Line Number:	1
Method Code:	H141
Quantity Tons:	0.00300
Quantity Waste:	6.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
State Code:	331

Year:	2020
EM Manifest ID:	1107775
Generator EPA ID:	CAL000397626
Shipment Date:	2020-02-18
Manifest Number:	002683921PSC
Line Number:	2
Method Code:	H141
Quantity Tons:	0.00550
Quantity Waste:	11.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
State Code:	331

Year:	2020
EM Manifest ID:	1114755
Shipment Date:	2/18/2020
Receipt Date:	2/25/2020
Manifest Number:	002683875PSC
Generator EPA ID:	CAL000397626
Name:	ROSS DRESS FOR LESS #1379
Address:	181 S LAS POSAS RD
Address 2:	Not reported
City:	SAN MARCOS
Zip:	92078-2419
Telephone:	877-577-2669
Contact:	Not reported
Contact Telephone:	760-736-8192
Transporter 1 EPA ID:	MNS000110924
Transporter 1 Emergency Number:	Not reported
Transporter 2 EPA ID:	CAR000175422
Transporter 2 Emergency Number:	Not reported
TSDF EPA ID:	AZR000515924
TSDF Name:	YUMA YES WASTE TRANSFER FACILITY
TSDF Address 1:	2730 E 13TH ST
TSDF Address 2:	Not reported
TSDF City:	YUMA
TSDF Zip:	85365-1901
TSDF Telephone:	Not reported

ROSS DRESS FOR LESS #1379 (Continued) **S118236385**

State:

Year:	2020
EM Manifest ID:	1114755
Generator EPA ID:	CAL000397626
Shipment Date:	2020-02-18
Manifest Number:	002683875PSC
Line Number:	1
Method Code:	H141
Quantity Tons:	0.04550
Quantity Waste:	91.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Pounds
State Code:	331

Year:	2020
EM Manifest ID:	960454
Shipment Date:	12/26/2019
Receipt Date:	1/9/2020
Manifest Number:	002620580PSC
Generator EPA ID:	CAL000397626
Name:	ROSS DRESS FOR LESS #1379
Address:	181 S LAS POSAS RD
Address 2:	Not reported
City:	SAN MARCOS
Zip:	92078-2419
Telephone:	877-577-2669
Contact:	Not reported
Contact Telephone:	760-736-8192
Transporter 1 EPA ID:	MNS000110924
Transporter 1 Emergency Number:	Not reported
Transporter 2 EPA ID:	CAR000175422
Transporter 2 Emergency Number:	Not reported
TSDF EPA ID:	AZR000515924
TSDF Name:	YUMA YES WASTE TRANSFER FACILITY
TSDF Address 1:	2730 E 13TH ST
TSDF Address 2:	Not reported
TSDF City:	YUMA
TSDF Zip:	85365-1901
TSDF Telephone:	Not reported

State:

Year:	2020
EM Manifest ID:	960454
Generator EPA ID:	CAL000397626
Shipment Date:	2019-12-26
Manifest Number:	002620580PSC
Line Number:	1
Method Code:	H141
Quantity Tons:	0.04150
Quantity Waste:	83.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Pounds

ROSS DRESS FOR LESS #1379 (Continued) **S118236385**

State Code: 331

Year: 2020
EM Manifest ID: 954861
Shipment Date: 12/26/2019
Receipt Date: 1/7/2020
Manifest Number: 002620607PSC
Generator EPA ID: CAL000397626
Name: ROSS #1379
Address: 181 S. LAS POSAS RD
Address 2: Not reported
City: SAN MARCOS
Zip: 92078
Telephone: 877-577-2669
Contact: Not reported
Contact Telephone: 775-575-2760
Transporter 1 EPA ID: MNS000110924
Transporter 1 Emergency Number: Not reported
Transporter 2 EPA ID: CAR000217554
Transporter 2 Emergency Number: Not reported
TSDF EPA ID: NVD980895338
TSDF Name: 21st Century Environmental Management of Nevada, LLC
TSDF Address 1: 2095 Newlands Drive East
TSDF Address 2: Not reported
TSDF City: Fernley
TSDF Zip: 89408
TSDF Telephone: Not reported

Federal:
Year: 2020
EM Manifest ID: 954861
Generator EPA ID: CAL000397626
Shipment Date: 2019-12-26
Manifest Number: 002620607PSC
Line Number: 1
Method Code: H141
Quantity Tons: 0.00200
Quantity Waste: 4.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: Fiber or plastic boxes, cartons, cases
Quantity Type: Pounds
Federal Code: D001

Year: 2020
EM Manifest ID: 954861
Generator EPA ID: CAL000397626
Shipment Date: 2019-12-26
Manifest Number: 002620607PSC
Line Number: 2
Method Code: H141
Quantity Tons: 0.00350
Quantity Waste: 7.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: Fiber or plastic boxes, cartons, cases
Quantity Type: Pounds

ROSS DRESS FOR LESS #1379 (Continued) **S118236385**

Federal Code: D001

State:

Year: 2020
EM Manifest ID: 954861
Generator EPA ID: CAL000397626
Shipment Date: 2019-12-26
Manifest Number: 002620607PSC
Line Number: 1
Method Code: H141
Quantity Tons: 0.00200
Quantity Waste: 4.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: Fiber or plastic boxes, cartons, cases
Quantity Type: Pounds
State Code: 331

Year: 2020
EM Manifest ID: 954861
Generator EPA ID: CAL000397626
Shipment Date: 2019-12-26
Manifest Number: 002620607PSC
Line Number: 2
Method Code: H141
Quantity Tons: 0.00350
Quantity Waste: 7.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: Fiber or plastic boxes, cartons, cases
Quantity Type: Pounds
State Code: 331

Year: 2020
EM Manifest ID: 884429
Shipment Date: 11/12/2019
Receipt Date: 12/3/2019
Manifest Number: 002572028PSC
Generator EPA ID: CAL000397626
Name: ROSS #1379
Address: 181 S. LAS POSAS RD
Address 2: Not reported
City: SAN MARCOS
Zip: 92078
Telephone: 877-577-2669
Contact: Not reported
Contact Telephone: 775-575-2760
Transporter 1 EPA ID: MNS000110924
Transporter 1 Emergency Number: Not reported
Transporter 2 EPA ID: CAR000217554
Transporter 2 Emergency Number: Not reported
TSDF EPA ID: NVD980895338
TSDF Name: 21st Century Environmental Management of Nevada, LLC
TSDF Address 1: 2095 Newlands Drive East
TSDF Address 2: Not reported
TSDF City: Fernley

ROSS DRESS FOR LESS #1379 (Continued) **S118236385**

TSDF Zip: 89408
TSDF Telephone: Not reported

Federal:
Year: 2020
EM Manifest ID: 884429
Generator EPA ID: CAL000397626
Shipment Date: 2019-11-12
Manifest Number: 002572028PSC
Line Number: 1
Method Code: H141
Quantity Tons: 0.00200
Quantity Waste: 4.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: Fiber or plastic boxes, cartons, cases
Quantity Type: Pounds
Federal Code: D001

Year: 2020
EM Manifest ID: 884429
Generator EPA ID: CAL000397626
Shipment Date: 2019-11-12
Manifest Number: 002572028PSC
Line Number: 2
Method Code: H141
Quantity Tons: 0.01850
Quantity Waste: 37.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: Fiberboard or plastic drums, barrels, kegs
Quantity Type: Pounds
Federal Code: D001

State:
Year: 2020
EM Manifest ID: 884429
Generator EPA ID: CAL000397626
Shipment Date: 2019-11-12
Manifest Number: 002572028PSC
Line Number: 1
Method Code: H141
Quantity Tons: 0.00200
Quantity Waste: 4.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: Fiber or plastic boxes, cartons, cases
Quantity Type: Pounds
State Code: 331

Year: 2020
EM Manifest ID: 884429
Generator EPA ID: CAL000397626
Shipment Date: 2019-11-12
Manifest Number: 002572028PSC
Line Number: 2
Method Code: H141

ROSS DRESS FOR LESS #1379 (Continued) **S118236385**

Quantity Tons:	0.01850
Quantity Waste:	37.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Pounds
State Code:	331

Detail Two:

Year:	2019
EM Manifest ID:	531330
Shipment Date:	8/14/2019
Receipt Date:	8/20/2019
Manifest Number:	002437990PSC
Generator EPA ID:	CAL000397626
Name:	ROSS #1379
Address:	181 S LAS POSAS RD
Address 2:	Not reported
City:	SAN MARCOS
Zip:	92078
Telephone:	877-577-2669
Contact:	Not reported
Contact Telephone:	760-736-8192
Transporter 1 EPA ID:	MNS000110924
Transporter 1 Emergency Number:	Not reported
Transporter 2 EPA ID:	CAR000175422
Transporter 2 Emergency Number:	Not reported
TSDF EPA ID:	AZR000515924
TSDF Name:	YUMA YES WASTE TRANSFER FACILITY
TSDF Address 1:	2730 E 13TH ST
TSDF Address 2:	Not reported
TSDF City:	YUMA
TSDF Zip:	85365-1901
TSDF Telephone:	Not reported

State:

Year:	2019
EM Manifest ID:	531330
Generator EPA ID:	CAL000397626
Shipment Date:	2019-08-14
Manifest Number:	002437990PSC
Line Number:	1
Method Code:	H141
Quantity Tons:	0.05950
Quantity Waste:	119.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Pounds
State Code:	331

Year:	2019
EM Manifest ID:	460871
Shipment Date:	7/9/2019
Receipt Date:	7/18/2019

ROSS DRESS FOR LESS #1379 (Continued) **S118236385**

Manifest Number:	002389159PSC
Generator EPA ID:	CAL000397626
Name:	ROSS #1379
Address:	181 S LAS POSAS RD
Address 2:	Not reported
City:	SAN MARCOS
Zip:	92078
Telephone:	877-577-2669
Contact:	Not reported
Contact Telephone:	760-736-8192
Transporter 1 EPA ID:	MNS000110924
Transporter 1 Emergency Number:	Not reported
Transporter 2 EPA ID:	CAR000175422
Transporter 2 Emergency Number:	Not reported
TSDF EPA ID:	AZR000515924
TSDF Name:	YUMA YES WASTE TRANSFER FACILITY
TSDF Address 1:	2730 E 13TH ST
TSDF Address 2:	Not reported
TSDF City:	YUMA
TSDF Zip:	85365-1901
TSDF Telephone:	Not reported

State:

Year:	2019
EM Manifest ID:	460871
Generator EPA ID:	CAL000397626
Shipment Date:	2019-07-09
Manifest Number:	002389159PSC
Line Number:	1
Method Code:	H141
Quantity Tons:	0.04950
Quantity Waste:	99.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Pounds
State Code:	331

Year:	2019
EM Manifest ID:	397457
Shipment Date:	5/14/2019
Receipt Date:	5/24/2019
Manifest Number:	002314965PSC
Generator EPA ID:	CAL000397626
Name:	ROSS #1379
Address:	181 S LAS POSAS RD
Address 2:	Not reported
City:	SAN MARCOS
Zip:	92078
Telephone:	877-577-2669
Contact:	Not reported
Contact Telephone:	760-736-8192
Transporter 1 EPA ID:	MNS000110924
Transporter 1 Emergency Number:	Not reported
Transporter 2 EPA ID:	CAR000175422
Transporter 2 Emergency Number:	Not reported
TSDF EPA ID:	AZR000515924

ROSS DRESS FOR LESS #1379 (Continued) **S118236385**

TSDF Name:	YUMA YES WASTE TRANSFER FACILITY
TSDF Address 1:	2730 E 13TH ST
TSDF Address 2:	Not reported
TSDF City:	YUMA
TSDF Zip:	85365-1901
TSDF Telephone:	Not reported

State:

Year:	2019
EM Manifest ID:	397457
Generator EPA ID:	CAL000397626
Shipment Date:	2019-05-14
Manifest Number:	002314965PSC
Line Number:	1
Method Code:	H141
Quantity Tons:	0.02150
Quantity Waste:	43.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Pounds
State Code:	331

Year:	2019
EM Manifest ID:	434821
Shipment Date:	5/14/2019
Receipt Date:	6/11/2019
Manifest Number:	002314983PSC
Generator EPA ID:	CAL000397626
Name:	ROSS #1379
Address:	181 S. LAS POSAS RD
Address 2:	Not reported
City:	SAN MARCOS
Zip:	92078
Telephone:	877-577-2669
Contact:	Not reported
Contact Telephone:	775-575-2760
Transporter 1 EPA ID:	MNS000110924
Transporter 1 Emergency Number:	Not reported
Transporter 2 EPA ID:	MOD095038998
Transporter 2 Emergency Number:	Not reported
TSDF EPA ID:	NVD980895338
TSDF Name:	21st Century Environmental Management of Nevada, LLC
TSDF Address 1:	2095 Newlands Drive East
TSDF Address 2:	Not reported
TSDF City:	Fernley
TSDF Zip:	89408
TSDF Telephone:	Not reported

Federal:

Year:	2019
EM Manifest ID:	434821
Generator EPA ID:	CAL000397626
Shipment Date:	2019-05-14
Manifest Number:	002314983PSC
Line Number:	1
Method Code:	H141

ROSS DRESS FOR LESS #1379 (Continued) **S118236385**

Quantity Tons:	0.00400
Quantity Waste:	8.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
Federal Code:	D001

State:

Year:	2019
EM Manifest ID:	434821
Generator EPA ID:	CAL000397626
Shipment Date:	2019-05-14
Manifest Number:	002314983PSC
Line Number:	1
Method Code:	H141
Quantity Tons:	0.00400
Quantity Waste:	8.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
State Code:	331

Year:	2019
EM Manifest ID:	361837
Shipment Date:	3/19/2019
Receipt Date:	4/15/2019
Manifest Number:	000258140DAT
Generator EPA ID:	CAL000397626
Name:	ROSS #1379
Address:	181 S. LAS POSAS RD
Address 2:	Not reported
City:	SAN MARCOS
Zip:	92078
Telephone:	877-577-2669
Contact:	Not reported
Contact Telephone:	775-575-2760
Transporter 1 EPA ID:	MNS000110924
Transporter 1 Emergency Number:	Not reported
Transporter 2 EPA ID:	MOD095038998DUP
Transporter 2 Emergency Number:	Not reported
TSDF EPA ID:	NVD980895338
TSDF Name:	21st Century Environmental Management of Nevada, LLC
TSDF Address 1:	2095 Newlands Drive East
TSDF Address 2:	Not reported
TSDF City:	Fernley
TSDF Zip:	89408
TSDF Telephone:	Not reported

Federal:

Year:	2019
EM Manifest ID:	361837
Generator EPA ID:	CAL000397626
Shipment Date:	2019-03-19
Manifest Number:	000258140DAT

ROSS DRESS FOR LESS #1379 (Continued) **S118236385**

Line Number: 1
Method Code: H141
Quantity Tons: 0.00100
Quantity Waste: 2.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: Fiber or plastic boxes, cartons, cases
Quantity Type: Pounds
Federal Code: D001

Year: 2019
EM Manifest ID: 361837
Generator EPA ID: CAL000397626
Shipment Date: 2019-03-19
Manifest Number: 000258140DAT
Line Number: 2
Method Code: H141
Quantity Tons: 0.00100
Quantity Waste: 2.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: Fiber or plastic boxes, cartons, cases
Quantity Type: Pounds
Federal Code: D001

State:
Year: 2019
EM Manifest ID: 361837
Generator EPA ID: CAL000397626
Shipment Date: 2019-03-19
Manifest Number: 000258140DAT
Line Number: 1
Method Code: H141
Quantity Tons: 0.00100
Quantity Waste: 2.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: Fiber or plastic boxes, cartons, cases
Quantity Type: Pounds
State Code: 331

Year: 2019
EM Manifest ID: 361837
Generator EPA ID: CAL000397626
Shipment Date: 2019-03-19
Manifest Number: 000258140DAT
Line Number: 2
Method Code: H141
Quantity Tons: 0.00100
Quantity Waste: 2.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: Fiber or plastic boxes, cartons, cases
Quantity Type: Pounds
State Code: 331

ROSS DRESS FOR LESS #1379 (Continued) **S118236385**

Year:	2019
EM Manifest ID:	304156
Shipment Date:	3/19/2019
Receipt Date:	3/27/2019
Manifest Number:	000258139DAT
Generator EPA ID:	CAL000397626
Name:	ROSS #1379
Address:	181 S. LAS POSAS RD
Address 2:	Not reported
City:	SAN MARCOS
Zip:	92078
Telephone:	877-577-2669
Contact:	Not reported
Contact Telephone:	760-736-8192
Transporter 1 EPA ID:	MNS000110924
Transporter 1 Emergency Number:	Not reported
Transporter 2 EPA ID:	CAR000175422
Transporter 2 Emergency Number:	Not reported
TSDF EPA ID:	AZR000515924
TSDF Name:	YUMA YES WASTE TRANSFER FACILITY
TSDF Address 1:	2730 E 13TH ST
TSDF Address 2:	Not reported
TSDF City:	YUMA
TSDF Zip:	85365-1901
TSDF Telephone:	Not reported

State:

Year:	2019
EM Manifest ID:	304156
Generator EPA ID:	CAL000397626
Shipment Date:	2019-03-19
Manifest Number:	000258139DAT
Line Number:	1
Method Code:	H141
Quantity Tons:	0.03550
Quantity Waste:	71.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Pounds
State Code:	331

Year:	2019
EM Manifest ID:	791334
Shipment Date:	11/12/2019
Receipt Date:	11/20/2019
Manifest Number:	002572013PSC
Generator EPA ID:	CAL000397626
Name:	ROSS DRESS FOR LESS #1379
Address:	181 S. LAS POSAS RD
Address 2:	Not reported
City:	SAN MARCOS
Zip:	92078
Telephone:	877-577-2669
Contact:	Not reported
Contact Telephone:	760-736-8192
Transporter 1 EPA ID:	MNS000110924

ROSS DRESS FOR LESS #1379 (Continued) **S118236385**

Transporter 1 Emergency Number:	Not reported
Transporter 2 EPA ID:	CAR000175422
Transporter 2 Emergency Number:	Not reported
TSDF EPA ID:	AZR000515924
TSDF Name:	YUMA YES WASTE TRANSFER FACILITY
TSDF Address 1:	2730 E 13TH ST
TSDF Address 2:	Not reported
TSDF City:	YUMA
TSDF Zip:	85365-1901
TSDF Telephone:	Not reported

State:

Year:	2019
EM Manifest ID:	791334
Generator EPA ID:	CAL000397626
Shipment Date:	2019-11-12
Manifest Number:	002572013PSC
Line Number:	1
Method Code:	H141
Quantity Tons:	0.05250
Quantity Waste:	105.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Pounds
State Code:	352

Year:	2019
EM Manifest ID:	678528
Shipment Date:	10/8/2019
Receipt Date:	10/14/2019
Manifest Number:	002535401PSC
Generator EPA ID:	CAL000397626
Name:	ROSS DRESS FOR LESS #1379
Address:	181 S LAS POSAS RD
Address 2:	Not reported
City:	SAN MARCOS
Zip:	92078-2419
Telephone:	877-577-2669
Contact:	Not reported
Contact Telephone:	760-736-8192
Transporter 1 EPA ID:	MNS000110924
Transporter 1 Emergency Number:	Not reported
Transporter 2 EPA ID:	CAR000175422
Transporter 2 Emergency Number:	Not reported
TSDF EPA ID:	AZR000515924
TSDF Name:	YUMA YES WASTE TRANSFER FACILITY
TSDF Address 1:	2730 E 13TH ST
TSDF Address 2:	Not reported
TSDF City:	YUMA
TSDF Zip:	85365-1901
TSDF Telephone:	Not reported

State:

Year:	2019
EM Manifest ID:	678528
Generator EPA ID:	CAL000397626

ROSS DRESS FOR LESS #1379 (Continued) **S118236385**

Shipment Date:	2019-10-08
Manifest Number:	002535401PSC
Line Number:	1
Method Code:	H141
Quantity Tons:	0.05550
Quantity Waste:	111.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Pounds
State Code:	331

Detail Two:

Year:	2018
EM Manifest ID:	139104
Shipment Date:	10/10/2018
Receipt Date:	10/22/2018
Manifest Number:	001986943PSC
Generator EPA ID:	CAL000397626
Name:	ROSS #1379
Address:	181 S. LAS POSAS RD
Address 2:	Not reported
City:	SAN MARCOS
Zip:	92078
Telephone:	877-577-2669
Contact:	Not reported
Contact Telephone:	760-736-8192
Transporter 1 EPA ID:	MNS000110924
Transporter 1 Emergency Number:	Not reported
Transporter 2 EPA ID:	CAR0001754022
Transporter 2 Emergency Number:	Not reported
TSDF EPA ID:	AZR000515924
TSDF Name:	YUMA YES WASTE TRANSFER FACILITY
TSDF Address 1:	2730 E 13TH ST
TSDF Address 2:	Not reported
TSDF City:	YUMA
TSDF Zip:	85365-1901
TSDF Telephone:	Not reported

State:

Year:	2018
EM Manifest ID:	139104
Generator EPA ID:	CAL000397626
Shipment Date:	2018-10-10
Manifest Number:	001986943PSC
Line Number:	1
Method Code:	H141
Quantity Tons:	0.06100
Quantity Waste:	122.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Pounds
State Code:	331

ROSS DRESS FOR LESS #1379 (Continued) **S118236385**

Year:	2018
EM Manifest ID:	001673733PSC20171010_D_1
Shipment Date:	10/10/2017
Receipt Date:	10/16/2017
Manifest Number:	001673733PSC
Generator EPA ID:	CAL000397626
Name:	ROSS #1379
Address:	Not reported
Address 2:	Not reported
City:	Not reported
Zip:	Not reported
Telephone:	Not reported
Contact:	Not reported
Contact Telephone:	Not reported
Transporter 1 EPA ID:	MNS000110924
Transporter 1 Emergency Number:	Not reported
Transporter 2 EPA ID:	CAR000217000
Transporter 2 Emergency Number:	Not reported
TSDF EPA ID:	CAD008364432
TSDF Name:	RHO CHEM LLC
TSDF Address 1:	Not reported
TSDF Address 2:	Not reported
TSDF City:	Not reported
TSDF Zip:	Not reported
TSDF Telephone:	Not reported

Federal:

Year:	2018
EM Manifest ID:	001673733PSC20171010_D_1
Generator EPA ID:	CAL000397626
Shipment Date:	2017-10-10
Manifest Number:	001673733PSC
Line Number:	1
Method Code:	H141
Quantity Tons:	0.00600
Quantity Waste:	12.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
Federal Code:	D001

Year:	2018
EM Manifest ID:	001673733PSC20171010_D_1
Generator EPA ID:	CAL000397626
Shipment Date:	2017-10-10
Manifest Number:	001673733PSC
Line Number:	2
Method Code:	H061
Quantity Tons:	0.01550
Quantity Waste:	31.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
Federal Code:	D001

ROSS DRESS FOR LESS #1379 (Continued) **S118236385**

State:

Year:	2018
EM Manifest ID:	001673733PSC20171010_D_1
Generator EPA ID:	CAL000397626
Shipment Date:	2017-10-10
Manifest Number:	001673733PSC
Line Number:	1
Method Code:	H141
Quantity Tons:	0.00600
Quantity Waste:	12.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
State Code:	331

Year:	2018
EM Manifest ID:	001673733PSC20171010_D_1
Generator EPA ID:	CAL000397626
Shipment Date:	2017-10-10
Manifest Number:	001673733PSC
Line Number:	2
Method Code:	H061
Quantity Tons:	0.01550
Quantity Waste:	31.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
State Code:	331

Year:	2018
EM Manifest ID:	001673733PSC20171010_D_1
Generator EPA ID:	CAL000397626
Shipment Date:	2017-10-10
Manifest Number:	001673733PSC
Line Number:	3
Method Code:	H141
Quantity Tons:	0.05850
Quantity Waste:	117.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
State Code:	331

Additional Info:

Year:	2017
Gen EPA ID:	CAL000397626
Shipment Date:	20171010
Creation Date:	5/30/2018 18:33:51
Receipt Date:	20171016
Manifest ID:	001673733PSC
Trans EPA ID:	MNS000110924

ROSS DRESS FOR LESS #1379 (Continued) **S118236385**

Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	CAR000217000
Trans 2 Name:	LA CHIQUITA TRUCKING
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	D001
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.006
Waste Quantity:	12
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20171010
Creation Date:	5/30/2018 18:33:51
Receipt Date:	20171016
Manifest ID:	001673733PSC
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	CAR000217000
Trans 2 Name:	LA CHIQUITA TRUCKING
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	D001
Meth Code:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Quantity Tons:	0.0155
Waste Quantity:	31
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20171010
Creation Date:	5/30/2018 18:33:51
Receipt Date:	20171016
Manifest ID:	001673733PSC
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	CAR000217000
Trans 2 Name:	LA CHIQUITA TRUCKING
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics

ROSS DRESS FOR LESS #1379 (Continued) **S118236385**

RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0585
Waste Quantity:	117
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20170329
Creation Date:	5/24/2017 18:30:56
Receipt Date:	20170403
Manifest ID:	001506035PSC
Trans EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
Trans 2 EPA ID:	CAD983649880
Trans 2 Name:	PSC ENVIRONMENTAL SERVICES OF POMONA LP
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.002
Waste Quantity:	4
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20170208
Creation Date:	5/17/2017 18:30:54
Receipt Date:	20170215
Manifest ID:	001483991PSC
Trans EPA ID:	CAD008364432
Trans Name:	RHO-CHEM, LLC
Trans 2 EPA ID:	CAD983649880
Trans 2 Name:	PSC ENVIRONMENTAL SERVICES OF POMONA, LP
TSDF EPA ID:	CAD008364432
Trans Name:	RHO-CHEM, LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0585
Waste Quantity:	117
Quantity Unit:	P
Additional Code 1:	Not reported

ROSS DRESS FOR LESS #1379 (Continued) **S118236385**

Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2016
Gen EPA ID:	CAL000397626
Shipment Date:	20151201
Creation Date:	2/5/2016 22:15:30
Receipt Date:	20151209
Manifest ID:	001149047PSC
Trans EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
Trans 2 EPA ID:	CAD983649880
Trans 2 Name:	PSC ENVIRONMENTAL SERVICES OF POMONA LP
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	D001
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0015
Waste Quantity:	3
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20151201
Creation Date:	2/5/2016 22:15:30
Receipt Date:	20151209
Manifest ID:	001149047PSC
Trans EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
Trans 2 EPA ID:	CAD983649880
Trans 2 Name:	PSC ENVIRONMENTAL SERVICES OF POMONA LP
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	D001
Meth Code:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Quantity Tons:	0.0075
Waste Quantity:	15
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

ROSS DRESS FOR LESS #1379 (Continued) **S118236385**

Shipment Date:	20151201
Creation Date:	2/5/2016 22:15:30
Receipt Date:	20151209
Manifest ID:	001149047PSC
Trans EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
Trans 2 EPA ID:	CAD983649880
Trans 2 Name:	PSC ENVIRONMENTAL SERVICES OF POMONA LP
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	D016
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0665
Waste Quantity:	133
Quantity Unit:	P
Additional Code 1:	D011
Additional Code 2:	D008
Additional Code 3:	D006
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20150609
Creation Date:	9/3/2015 22:15:34
Receipt Date:	20150615
Manifest ID:	001031899PSC
Trans EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
Trans 2 EPA ID:	CAD983649880
Trans 2 Name:	PSC ENVIRONMENTAL SERVICES OF POMONA LP
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	D001
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0015
Waste Quantity:	3
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20150609
Creation Date:	9/3/2015 22:15:34
Receipt Date:	20150615
Manifest ID:	001031899PSC
Trans EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
Trans 2 EPA ID:	CAD983649880

ROSS DRESS FOR LESS #1379 (Continued) **S118236385**

Trans 2 Name:	PSC ENVIRONMENTAL SERVICES OF POMONA LP
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	D001
Meth Code:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Quantity Tons:	0.0135
Waste Quantity:	27
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2015
Gen EPA ID:	CAL000397626
Shipment Date:	20151201
Creation Date:	2/5/2016 22:15:30
Receipt Date:	20151209
Manifest ID:	001149047PSC
Trans EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
Trans 2 EPA ID:	CAD983649880
Trans 2 Name:	PSC ENVIRONMENTAL SERVICES OF POMONA LP
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	D001
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0015
Waste Quantity:	3
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20151201
Creation Date:	2/5/2016 22:15:30
Receipt Date:	20151209
Manifest ID:	001149047PSC
Trans EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
Trans 2 EPA ID:	CAD983649880
Trans 2 Name:	PSC ENVIRONMENTAL SERVICES OF POMONA LP
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
TSDF Alt EPA ID:	Not reported

ROSS DRESS FOR LESS #1379 (Continued) **S118236385**

TSDF Alt Name:	Not reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	D001
Meth Code:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Quantity Tons:	0.0075
Waste Quantity:	15
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20151201
Creation Date:	2/5/2016 22:15:30
Receipt Date:	20151209
Manifest ID:	001149047PSC
Trans EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
Trans 2 EPA ID:	CAD983649880
Trans 2 Name:	PSC ENVIRONMENTAL SERVICES OF POMONA LP
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	D016
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0665
Waste Quantity:	133
Quantity Unit:	P
Additional Code 1:	D011
Additional Code 2:	D008
Additional Code 3:	D006
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20150609
Creation Date:	9/3/2015 22:15:34
Receipt Date:	20150615
Manifest ID:	001031899PSC
Trans EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
Trans 2 EPA ID:	CAD983649880
Trans 2 Name:	PSC ENVIRONMENTAL SERVICES OF POMONA LP
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	D001
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0015
Waste Quantity:	3
Quantity Unit:	P

ROSS DRESS FOR LESS #1379 (Continued) **S118236385**

Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20150609
Creation Date:	9/3/2015 22:15:34
Receipt Date:	20150615
Manifest ID:	001031899PSC
Trans EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
Trans 2 EPA ID:	CAD983649880
Trans 2 Name:	PSC ENVIRONMENTAL SERVICES OF POMONA LP
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	D001
Meth Code:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Quantity Tons:	0.0135
Waste Quantity:	27
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2014
Gen EPA ID:	CAL000397626
Shipment Date:	20141222
Creation Date:	3/3/2015 22:15:07
Receipt Date:	20141230
Manifest ID:	000915204PSC
Trans EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
Trans 2 EPA ID:	CAD983649880
Trans 2 Name:	PSC ENVIRONMENTAL SERVICES OF POMONA LP
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.039
Waste Quantity:	78
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported

ROSS DRESS FOR LESS #1379 (Continued) **S118236385**

Additional Code 5: Not reported

CERS:
Name: ROSS DRESS FOR LESS #1379
Address: 181 S LAS POSAS RD
City,State,Zip: SAN MARCOS, CA 92078
Site ID: 63001
CERS ID: 10521613
CERS Description: Chemical Storage Facilities

Violations:
Site ID: 63001
Site Name: Ross Dress For Less #1379
Violation Date: 12-04-2019
Citation: HSC 6.5 Multiple - California Health and Safety Code, Chapter 6.5, Section(s) Multiple
Violation Description: Hazardous Waste Generator Program - Administration/Documentation - General
Violation Notes: Returned to compliance on 12/17/2019. Inspection Sequence ID:6191719;Violation:HMD0138 Manifest signed by the TSDF not available for inspection. 22 CCR 66262.40(a); HSC 25185(a)(4)
Violation Division: San Diego County Department of Env Health
Violation Program: HW
Violation Source: CERS,

Site ID: 63001
Site Name: Ross Dress For Less #1379
Violation Date: 12-04-2019
Citation: HSC 6.5 Multiple - California Health and Safety Code, Chapter 6.5, Section(s) Multiple
Violation Description: Hazardous Waste Generator Program - Administration/Documentation - General
Violation Notes: Returned to compliance on 12/10/2019. Inspection Sequence ID:6191719;Violation:HMD0150 Failed to submit complete and accurate Facility Information in CERS. 27 CCR 15188(b-c); SDCC 68.904(b)
Violation Division: San Diego County Department of Env Health
Violation Program: HW
Violation Source: CERS,

Evaluation:
Eval General Type: Compliance Evaluation Inspection
Eval Date: 06-29-2017
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Inspector: Calcagno Leonardo Inspection ID:5709009
Eval Division: San Diego County Department of Env Health
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 12-04-2019
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Inspector: Valdez Kevin Inspection ID:6191719
Eval Division: San Diego County Department of Env Health
Eval Program: HW
Eval Source: CERS,

ROSS DRESS FOR LESS #1379 (Continued) **S118236385**

Eval General Type: Compliance Evaluation Inspection
Eval Date: 07-30-2015
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Inspector: Khan Steven Inspection ID:5318652
Eval Division: San Diego County Department of Env Health
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 07-30-2015
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Inspector: Khan Steven Inspection ID:5318652
Eval Division: San Diego County Department of Env Health
Eval Program: HMRRP
Eval Source: CERS,

Coordinates:
Site ID: 63001
Facility Name: Ross Dress For Less #1379
Env Int Type Code: HWG
Program ID: 10521613
Coord Name: Not reported
Ref Point Type Desc: Center of a facility or station.,
Latitude: 33.141840
Longitude: -117.192150

Affiliation:
Affiliation Type Desc: CUPA District
Entity Name: San Diego County Env Health Qlty
Entity Title: Not reported
Affiliation Address: PO Box 129261
Affiliation City: San Diego
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 92112-9261
Affiliation Phone: (858) 505-6880,

Affiliation Type Desc: Document Preparer
Entity Name: Brian Oxley
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Affiliation Type Desc: Identification Signer
Entity Name: Brian Oxley
Entity Title: National Manager
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported

ROSS DRESS FOR LESS #1379 (Continued) **S118236385**

Affiliation Zip: Not reported
Affiliation Phone: ,

Affiliation Type Desc: Environmental Contact
Entity Name: Brian Oxley
Entity Title: Not reported
Affiliation Address: 101 Philip Dr
Affiliation City: Norwell
Affiliation State: MA
Affiliation Country: Not reported
Affiliation Zip: 02061
Affiliation Phone: ,

Affiliation Type Desc: Operator
Entity Name: Ross Dress For Less Inc.
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: (925) 965-4831,

Affiliation Type Desc: Facility Mailing Address
Entity Name: Mailing Address
Entity Title: Not reported
Affiliation Address: 5130 Hacienda Dr
Affiliation City: Dublin
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 94568-7579
Affiliation Phone: ,

Affiliation Type Desc: Legal Owner
Entity Name: Ross Dress For Less Inc.
Entity Title: Not reported
Affiliation Address: 5130 Hacienda Dr
Affiliation City: Dublin
Affiliation State: CA
Affiliation Country: United States
Affiliation Zip: 94568-7579
Affiliation Phone: (925) 965-4831,

Affiliation Type Desc: Parent Corporation
Entity Name: Ross Stores, Inc.
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

HWTS:
Name: ROSS DRESS FOR LESS #1379
Address: 181 S LAS POSAS RD

ROSS DRESS FOR LESS #1379 (Continued) **S118236385**

Address 2:	Not reported
City,State,Zip:	SAN MARCOS, CA 92078
EPA ID:	CAL000397626
Inactive Date:	Not reported
Create Date:	06/09/2014
Last Act Date:	Not reported
Mailing Name:	Not reported
Mailing Address:	5130 HACIENDA DR
Mailing Address 2:	Not reported
Mailing City,State,Zip:	DUBLIN, CA 945680000
Owner Name:	ROSS DRESS FOR LESS INC
Owner Address:	5130 HACIENDA DR
Owner Address 2:	Not reported
Owner City,State,Zip:	DUBLIN, CA 94568
Contact Name:	KATHY HATCH
Contact Address:	5130 HACIENDA DR
Contact Address 2:	Not reported
City,State,Zip:	DUBLIN, CA 94568
Facility Status:	Active
Facility Type:	PERMANENT
Category:	STATE
Latitude:	33.138594
Longitude:	-117.1923705

NAICS:

EPA ID:	CAL000397626
Create Date:	2014-06-09 10:03:27.117
NAICS Code:	44814
NAICS Description:	Family Clothing Stores
Issued EPA ID Date:	2014-06-09 10:03:27.11300
Inactive Date:	Not reported
Facility Name:	ROSS DRESS FOR LESS #1379
Facility Address:	181 S LAS POSAS RD
Facility Address 2:	Not reported
Facility City:	SAN MARCOS
Facility County:	Not reported
Facility State:	CA
Facility Zip:	920782419

W148 **ROSS DRESS FOR LESS #1379** **RCRA NonGen / NLR** **1024844924**
NW **181 S LAS POSAS RD** **CAL000397626**
1/8-1/4 **SAN MARCOS, CA 92078**
0.240 mi.
1269 ft. **Site 11 of 13 in cluster W**

Relative:
Higher

Actual:
558 ft.

RCRA Listings:

Date Form Received by Agency:	20140609
Handler Name:	ROSS DRESS FOR LESS #1379
Handler Address:	181 S LAS POSAS RD
Handler City,State,Zip:	SAN MARCOS, CA 92078-2419
EPA ID:	CAL000397626
Contact Name:	KATHY HATCH
Contact Address:	5130 HACIENDA DR
Contact City,State,Zip:	DUBLIN, CA 94568
Contact Telephone:	925-965-4015
Contact Fax:	925-965-4183
Contact Email:	ERIC.GUARD@ROS.COM

ROSS DRESS FOR LESS #1379 (Continued) **1024844924**

Contact Title:		Not reported
EPA Region:		09
Land Type:		Not reported
Federal Waste Generator Description:		Not a generator, verified
Non-Notifier:		Not reported
Biennial Report Cycle:		Not reported
Accessibility:		Not reported
Active Site Indicator:		Handler Activities
State District Owner:		Not reported
State District:		Not reported
Mailing Address:		5151 SAN FELIPE ST STE 1000
Mailing City,State,Zip:		HOUSTON, TX 77056
Owner Name:	ROSS DRESS FOR LESS INC	
Owner Type:		Other
Operator Name:	KATHY HATCH	
Operator Type:		Other
Short-Term Generator Activity:		No
Importer Activity:		No
Mixed Waste Generator:		No
Transporter Activity:		No
Transfer Facility Activity:		No
Recycler Activity with Storage:		No
Small Quantity On-Site Burner Exemption:		No
Smelting Melting and Refining Furnace Exemption:		No
Underground Injection Control:		No
Off-Site Waste Receipt:		No
Universal Waste Indicator:		Yes
Universal Waste Destination Facility:		Yes
Federal Universal Waste:		No
Active Site Fed-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site Converter Treatment storage and Disposal Facility:		Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site State-Reg Handler:		---
Federal Facility Indicator:		Not reported
Hazardous Secondary Material Indicator:		N
Sub-Part K Indicator:		Not reported
Commercial TSD Indicator:		No
Treatment Storage and Disposal Type:		Not reported
2018 GPRA Permit Baseline:		Not on the Baseline
2018 GPRA Renewals Baseline:		Not on the Baseline
Permit Renewals Workload Universe:		Not reported
Permit Workload Universe:		Not reported
Permit Progress Universe:		Not reported
Post-Closure Workload Universe:		Not reported
Closure Workload Universe:		Not reported
202 GPRA Corrective Action Baseline:		No
Corrective Action Workload Universe:		No
Subject to Corrective Action Universe:		No
Non-TSDFs Where RCRA CA has Been Imposed Universe:		No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:		No
TSDFs Only Subject to CA under Discretionary Auth Universe:		No
Corrective Action Priority Ranking:		No NCAPS ranking
Environmental Control Indicator:		No
Institutional Control Indicator:		No
Human Exposure Controls Indicator:		N/A
Groundwater Controls Indicator:		N/A
Operating TSDF Universe:		Not reported

ROSS DRESS FOR LESS #1379 (Continued) **1024844924**

Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20180906
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name: ROSS DRESS FOR LESS INC	
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	5130 HACIENDA DR
Owner/Operator City,State,Zip:	DUBLIN, CA 94568
Owner/Operator Telephone:	925-965-4831
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name: KATHY HATCH	
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	5130 HACIENDA DR
Owner/Operator City,State,Zip:	DUBLIN, CA 94568
Owner/Operator Telephone:	925-965-4015
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	20140609
Handler Name: ROSS DRESS FOR LESS #1379	
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

ROSS DRESS FOR LESS #1379 (Continued) **1024844924**

List of NAICS Codes and Descriptions:
NAICS Code: 44814
NAICS Description: FAMILY CLOTHING STORES

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

W149 **ULTA BEAUTY #244 (SAN MARCOS)** **CERS HAZ WASTE** **S123513601**
NW **185 SOUTH LAS POSAS DRIVE** **CERS** **N/A**
1/8-1/4 **SAN MARCOS, CA 92078**
0.241 mi.
1270 ft. **Site 12 of 13 in cluster W**

Relative:
Higher

Actual:
559 ft.

CERS HAZ WASTE:
Name: ULTA BEAUTY #244 (SAN MARCOS)
Address: 185 SOUTH LAS POSAS DRIVE
City,State,Zip: SAN MARCOS, CA 92078
Site ID: 367852
CERS ID: 10665790
CERS Description: Hazardous Waste Generator

CERS:
Name: ULTA BEAUTY #244 (SAN MARCOS)
Address: 185 SOUTH LAS POSAS DRIVE
City,State,Zip: SAN MARCOS, CA 92078
Site ID: 367852
CERS ID: 10665790
CERS Description: Chemical Storage Facilities

Violations:
Site ID: 367852
Site Name: ULTA Beauty #244 (San Marcos)
Violation Date: 05-04-2016
Citation: 40 CFR 1 262.34(d)(5)(iii) - U.S. Code of Federal Regulations, Title 40, Chapter 1, Section(s) 262.34(d)(5)(iii)
Violation Description: Failure to ensure employees are familiar with the handling and compliance of hazardous waste regulations and emergency response.
Violation Notes: Returned to compliance on 05/16/2016. Inspection Sequence ID:5484685
Violation Division: San Diego County Department of Env Health
Violation Program: HW
Violation Source: CERS,

Site ID: 367852
Site Name: ULTA Beauty #244 (San Marcos)
Violation Date: 05-04-2016
Citation: HSC 6.5 Multiple Sections - California Health and Safety Code, Chapter 6.5, Section(s) Multiple Sections
Violation Description: Haz Waste Generator Program - Operations/Maintenance - General
Violation Notes: Returned to compliance on 05/16/2016. Inspection Sequence ID:5484685;Violation:HMD0226 Did not accumulate waste in a container or tank. (40 CFR 262.34(d)(2).) 22 CCR 66262.34(d)(2)
Violation Division: San Diego County Department of Env Health

ULTA BEAUTY #244 (SAN MARCOS) (Continued) **S123513601**

Violation Program: HW
Violation Source: CERS,

Evaluation:
Eval General Type: Compliance Evaluation Inspection
Eval Date: 03-26-2021
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Inspector: Valdez Kevin Inspection ID:6423890
Eval Division: San Diego County Department of Env Health
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 04-17-2018
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Inspector: Calcagno Leonardo Inspection ID:5899052
Eval Division: San Diego County Department of Env Health
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 05-04-2016
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Inspector: Vue Cher Inspection ID:5484685
Eval Division: San Diego County Department of Env Health
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 03-26-2021
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Inspector: Valdez Kevin Inspection ID:6423890
Eval Division: San Diego County Department of Env Health
Eval Program: HMRRP
Eval Source: CERS,

Affiliation:
Affiliation Type Desc: Legal Owner
Entity Name: ULTA Beauty
Entity Title: Not reported
Affiliation Address: 1000 Remington Boulevard, Suite #120
Affiliation City: Bolingbrook
Affiliation State: IL
Affiliation Country: United States
Affiliation Zip: 60440
Affiliation Phone: (630) 410-4800,

Affiliation Type Desc: CUPA District
Entity Name: San Diego County Env Health Qlty
Entity Title: Not reported
Affiliation Address: PO Box 129261
Affiliation City: San Diego

ULTA BEAUTY #244 (SAN MARCOS) (Continued) **S123513601**

Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92112-9261
Affiliation Phone:	(858) 505-6880,
Affiliation Type Desc:	Document Preparer
Entity Name:	Jeremy Hojnicki
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,
Affiliation Type Desc:	Environmental Contact
Entity Name:	Jeremy Hojnicki
Entity Title:	Not reported
Affiliation Address:	1000 Remington Boulevard, Suite #120
Affiliation City:	Bolingbrook
Affiliation State:	IL
Affiliation Country:	Not reported
Affiliation Zip:	60440
Affiliation Phone:	,
Affiliation Type Desc:	Identification Signer
Entity Name:	Jeremy Hojnicki
Entity Title:	Compliance Manager
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,
Affiliation Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	Not reported
Affiliation Address:	185 South Las Posas Drive
Affiliation City:	San Marcos
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92078
Affiliation Phone:	,
Affiliation Type Desc:	Operator
Entity Name:	ULTA Beauty
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	(630) 410-4800,
Affiliation Type Desc:	Parent Corporation
Entity Name:	ULTA Beauty

ULTA BEAUTY #244 (SAN MARCOS) (Continued) **S123513601**

Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,

W150 **ULTA BEAUTY 244** **RCRA NonGen / NLR** **1024840256**
NW **185 S LAS POSAS RD** **CAL000388862**
1/8-1/4 **SAN MARCOS, CA 92078**
0.241 mi.
1270 ft. **Site 13 of 13 in cluster W**

Relative: **Higher**

Actual: **559 ft.**

RCRA Listings:

Date Form Received by Agency:		20130823
Handler Name:	ULTA BEAUTY 244	
Handler Address:		185 S LAS POSAS RD
Handler City,State,Zip:		SAN MARCOS, CA 92078-2419
EPA ID:		CAL000388862
Contact Name:		JEREMY HOJNICKI
Contact Address:		1000 REMINGTON BLVD STE 120
Contact City,State,Zip:		BOLINGBROOK, IL 60440
Contact Telephone:		630-296-1552
Contact Fax:		Not reported
Contact Email:		JHOJNICKI@ULTA.COM
Contact Title:		Not reported
EPA Region:		09
Land Type:		Not reported
Federal Waste Generator Description:		Not a generator, verified
Non-Notifier:		Not reported
Biennial Report Cycle:		Not reported
Accessibility:		Not reported
Active Site Indicator:		Handler Activities
State District Owner:		Not reported
State District:		Not reported
Mailing Address:		1000 REMINGTON BLVD, SUITE 120
Mailing City,State,Zip:		BOLINGBROOK, IL 60440
Owner Name:	ULTA SALON COSMETICS & FRAGRANCE IN	
Owner Type:		Other
Operator Name:	JEREMY HOJNICKI	
Operator Type:		Other
Short-Term Generator Activity:		No
Importer Activity:		No
Mixed Waste Generator:		No
Transporter Activity:		No
Transfer Facility Activity:		No
Recycler Activity with Storage:		No
Small Quantity On-Site Burner Exemption:		No
Smelting Melting and Refining Furnace Exemption:		No
Underground Injection Control:		No
Off-Site Waste Receipt:		No
Universal Waste Indicator:		Yes
Universal Waste Destination Facility:		Yes
Federal Universal Waste:		No
Active Site Fed-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site Converter Treatment storage and Disposal Facility:		Not reported

ULTA BEAUTY 244 (Continued) **1024840256**

Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20180906
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Operator
Owner/Operator Name: JEREMY HOJNICKI	
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	1000 REMINGTON BLVD STE 120
Owner/Operator City,State,Zip:	BOLINGBROOK, IL 60440
Owner/Operator Telephone:	630-296-1552
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Owner
Owner/Operator Name: ULTA SALON COSMETICS & FRAGRANCE IN	

ULTA BEAUTY 244 (Continued) **1024840256**

Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	1000 REMINGTON BLVD
Owner/Operator City,State,Zip:	BOLINGBROOK, IL 60440
Owner/Operator Telephone:	630-410-4800
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	20130823
Handler Name: ULTA BEAUTY 244	
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

List of NAICS Codes and Descriptions:

NAICS Code:	453998
NAICS Description:	ALL OTHER MISCELLANEOUS STORE RETAILERS (EXCEPT TOBACCO STORES)

Facility Has Received Notices of Violations:

Violations:	No Violations Found

Evaluation Action Summary:

Evaluations:	No Evaluations Found

151
East
1/8-1/4
0.249 mi.
1317 ft.

SAN MARCOS CAL STATE UNIVERSITY CAMPUS **ENVIROSTOR** **S101481952**
800 WEST VALLECITOS BOULEVARD **N/A**
SAN MARCOS, CA 92069

Relative: Higher

Actual: 557 ft.

ENVIROSTOR:

Name:	SAN MARCOS CAL STATE UNIVERSITY CAMPUS
Address:	800 WEST VALLECITOS BOULEVARD
City,State,Zip:	SAN MARCOS, CA 92069
Facility ID:	37020001
Status:	Refer: RWQCB
Status Date:	03/27/1995
Site Code:	400480
Site Type:	Historical
Site Type Detailed:	* Historical
Acres:	0
NPL:	NO
Regulatory Agencies:	NONE SPECIFIED
Lead Agency:	NONE SPECIFIED
Program Manager:	Not reported

SAN MARCOS CAL STATE UNIVERSITY CAMPUS (Continued) **S101481952**

Supervisor:	* Mmonroy
Division Branch:	Southern California Schools & Brownfields Outreach
Assembly:	Not reported
Senate:	Not reported
Special Program:	Not reported
Restricted Use:	NO
Site Mgmt Req:	NONE SPECIFIED
Funding:	Not reported
Latitude:	33.14013
Longitude:	-117.1797
APN:	NONE SPECIFIED
Past Use:	NONE SPECIFIED
Potential COC:	NONE SPECIFIED
Confirmed COC:	NONE SPECIFIED
Potential Description:	NONE SPECIFIED
Alias Name:	C S U SAN MARCOS
Alias Type:	Alternate Name
Alias Name:	CALIFORNIA STATE UNIVERSITY, SAN MARCOS
Alias Type:	Alternate Name
Alias Name:	SAN MARCOS STATE UNIVERSITY
Alias Type:	Alternate Name
Alias Name:	400480
Alias Type:	Project Code (Site Code)
Alias Name:	37020001
Alias Type:	Envirostor ID Number

Completed Info:

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Site Screening
Completed Date:	03/27/1995
Comments:	NFA for DTSC due to RWQCB involvement.

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Preliminary Endangerment Assessment Report
Completed Date:	07/08/1991
Comments:	Meeting was held between CSU San Marcos & DHS TSCP. PEA guidance given. Letter from Ted Binkley of CSU asking for DHS/TSCP oversight of a PEA (10/9/90). PEA volume one submitted on 10/16/90. Letter dated 12/18/90 from DHS/TSCP to CSU San Marcos stating findings: Need for Deed Restriction and second PEA to cover entire campus. Letter to CSU San Marcos referring lead agency status to San Diego RWQCB (03/04/91). Site was once a poultry farm.

Future Area Name:	Not reported
Future Sub Area Name:	Not reported
Future Document Type:	Not reported
Future Due Date:	Not reported
Schedule Area Name:	Not reported
Schedule Sub Area Name:	Not reported
Schedule Document Type:	Not reported
Schedule Due Date:	Not reported
Schedule Revised Date:	Not reported

Y152 **VALLECITOS WATER DISTRICT** **LUST** **S102436393**
SE **788 SAN MARCOS BL** **SAN DIEGO CO. SAM** **N/A**
1/4-1/2 **SAN MARCOS, CA 92069** **Cortese**
0.272 mi. **CERS**
1435 ft. **Site 1 of 4 in cluster Y**

Relative:
Higher

Actual:
545 ft.

LUST REG 9:

Region:	9
Status:	Case Closed
Case Number:	9UT817
Local Case:	H03763-001
Substance:	Gasoline
Qty Leaked:	0
Abate Method:	Not reported
Local Agency:	San Diego
How Found:	Tank Closure
How Stopped:	Close Tank
Source:	Tank
Cause:	Corrosion
Lead Agency:	Local Agency
Case Type:	Other ground water affected
Date Found:	10/02/1987
Date Stopped:	10/02/1987
Confirm Date:	10/02/1987
Submit Workplan:	Not reported
Prelim Assess:	10/19/1987
Desc Pollution:	Not reported
Remed Plan:	/ /
Remed Action:	Not reported
Began Monitor:	Not reported
Release Date:	10/12/1987
Enforce Date:	Not reported
Closed Date:	9/12/88
Enforce Type:	Not reported
Pilot Program:	LOP
Basin Number:	904.52
GW Depth:	4 FT
Beneficial Use:	Municipal groundwater use
NPDES Number:	Not reported
Priority:	Low priority. Priority ranking can change over time.
File Dispn:	File discarded, case closed
Interim Remedial Actions:	Yes
Cleanup and Abatement order Number:	Not reported
Waste Discharge Requirement Number:	Not reported

SAN DIEGO CO. SAM:

Name:	VALLECITOS WATER DISTRICT
Address:	788 SAN MARCOS BL
City,State,Zip:	SAN MARCOS, CA 920694222
Case Number:	H03763-001
Agency:	DEH Site Assessment & Mitigation
Funding:	**LOP - Federal Fund**
Facility Type:	Soils Only
Facility Status:	Closed Case
Date:	9/12/1988
Date Began:	10/2/1987

CORTESE:

VALLECITOS WATER DISTRICT (Continued) **S102436393**

Name:	VALLECITOS WATER DISTRICT
Address:	788 SAN MARCOS BL
City,State,Zip:	SAN MARCOS, CA 920694222
Region:	CORTESE
Envirostor Id:	Not reported
Global ID:	T0607303068
Site/Facility Type:	LUST CLEANUP SITE
Cleanup Status:	COMPLETED - CASE CLOSED
Status Date:	Not reported
Site Code:	Not reported
Latitude:	Not reported
Longitude:	Not reported
Owner:	Not reported
Enf Type:	Not reported
Swat R:	Not reported
Flag:	active
Order No:	Not reported
Waste Discharge System No:	Not reported
Effective Date:	Not reported
Region 2:	Not reported
WID Id:	Not reported
Solid Waste Id No:	Not reported
Waste Management Uit Name:	Not reported
File Name:	Active Open

CERS:

Name:	VALLECITOS WATER DISTRICT
Address:	788 SAN MARCOS BL
City,State,Zip:	SAN MARCOS, CA 920694222
Site ID:	250046
CERS ID:	T0607303068
CERS Description:	Leaking Underground Storage Tank Cleanup Site

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Y153 **VALLECITOS WATER DISTRICT** **LUST** **S104745782**
SE **788 SAN MARCOS BL** **HIST CORTESE** **N/A**
1/4-1/2 **SAN MARCOS, CA 92069**
0.272 mi.
1435 ft. **Site 2 of 4 in cluster Y**

Relative: **Higher**
Actual: **545 ft.**

LUST:

Name:	VALLECITOS WATER DISTRICT
Address:	788 SAN MARCOS BL
City,State,Zip:	SAN MARCOS, CA 920694222
Lead Agency:	SAN DIEGO COUNTY LOP
Case Type:	LUST Cleanup Site
Geo Track:	http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0607303068
Global Id:	T0607303068
Latitude:	33.1365858
Longitude:	-117.1816165
Status:	Completed - Case Closed
Status Date:	09/12/1988
Case Worker:	Not reported
RB Case Number:	9UT817
Local Agency:	Not reported
File Location:	Local Agency
Local Case Number:	H03763-001
Potential Media Affect:	Soil

VALLECITOS WATER DISTRICT (Continued) **S104745782**

Potential Contaminants of Concern: Gasoline
Site History: Not reported

LUST:
Global Id: T0607303068
Action Type: Other
Date: 10/02/1987
Action: Leak Began

Global Id: T0607303068
Action Type: Other
Date: 10/02/1987
Action: Leak Reported

Global Id: T0607303068
Action Type: Other
Date: 10/02/1987
Action: Leak Stopped

Global Id: T0607303068
Action Type: Other
Date: 10/02/1987
Action: Leak Discovery

LUST:
Global Id: T0607303068
Status: Open - Case Begin Date
Status Date: 10/02/1987

Global Id: T0607303068
Status: Completed - Case Closed
Status Date: 09/12/1988

HIST CORTESE:
edr_fname: SAN MARCOS COUNTY WATER D
edr_fadd1: 788 SAN MARCOS
City,State,Zip: SAN MARCOS, CA 92069
Region: CORTESE
Facility County Code: 37
Reg By: LTNKA
Reg Id: 9UT817

Z154 **CRIBBAGE LANE & SAN MARCOS BL.** **Notify 65** **S100178376**
SSE **N/A**
1/4-1/2 **SAN MARCOS, CA**
0.273 mi.
1443 ft. **Site 1 of 3 in cluster Z**

Relative:
Lower

Actual:
541 ft.

NOTIFY 65:
Name: CRIBBAGE LANE & SAN MARCOS BL.
Address: Not reported
City,State,Zip: SAN MARCOS, CA
Date Reported: Not reported
Staff Initials: Not reported
Board File Number: Not reported
Facility Type: Not reported

CRIBBAGE LANE & SAN MARCOS BL. (Continued) **S100178376**

Discharge Date: Not reported
Issue Date: Not reported
Incident Description: Not reported
Global ID: Not reported
Status: Not reported

155
ESE
1/4-1/2
0.273 mi.
1443 ft.

TLC CARWASH
740 W SAN MARCOS BL
SAN MARCOS, CA 92078

LUST **S108087204**
SAN DIEGO CO. SAM **N/A**
San Diego Co. HMMD
Cortese
CERS

Relative:
Higher

Actual:
550 ft.

LUST:
Name: TLC CARWASH
Address: 740 W SAN MARCOS BL
City,State,Zip: SAN MARCOS, CA 92078
Lead Agency: SAN DIEGO RWQCB (REGION 9)
Case Type: LUST Cleanup Site
Geo Track: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T06019784786
Global Id: T06019784786
Latitude: 33.137561
Longitude: -117.180348
Status: Completed - Case Closed
Status Date: 01/16/2014
Case Worker: Not reported
RB Case Number: Not reported
Local Agency: Not reported
File Location: Local Agency
Local Case Number: Not reported
Potential Media Affect: Aquifer used for drinking water supply
Potential Contaminants of Concern: Gasoline
Site History: On January 20, 2006, three underground storage tanks (USTs) were removed from the site. Analytical results from groundwater and soil sampling collected during UST removal indicated petroleum hydrocarbon impacts. Site assessment is currently ongoing. Please see submitted ESI data for further details.

LUST:
Global Id: T06019784786
Action Type: ENFORCEMENT
Date: 04/05/2013
Action: Technical Correspondence / Assistance / Other

Global Id: T06019784786
Action Type: ENFORCEMENT
Date: 01/03/2013
Action: Referral to Regional Board

Global Id: T06019784786
Action Type: Other
Date: 01/20/2006
Action: Leak Discovery

Global Id: T06019784786
Action Type: RESPONSE
Date: 07/09/2010
Action: Monitoring Report - Quarterly

TLC CARWASH (Continued) **S108087204**

Global Id: T06019784786
Action Type: RESPONSE
Date: 09/16/2010
Action: Sensitive Receptor Survey Report

Global Id: T06019784786
Action Type: RESPONSE
Date: 05/18/2010
Action: Site Assessment Report

Global Id: T06019784786
Action Type: RESPONSE
Date: 04/30/2010
Action: Monitoring Report - Quarterly

Global Id: T06019784786
Action Type: RESPONSE
Date: 01/30/2010
Action: Monitoring Report - Quarterly

Global Id: T06019784786
Action Type: RESPONSE
Date: 10/31/2010
Action: Monitoring Report - Quarterly

Global Id: T06019784786
Action Type: ENFORCEMENT
Date: 03/24/2006
Action: Notice of Responsibility

Global Id: T06019784786
Action Type: ENFORCEMENT
Date: 11/04/2009
Action: Technical Correspondence / Assistance / Other

Global Id: T06019784786
Action Type: ENFORCEMENT
Date: 09/02/2009
Action: Technical Correspondence / Assistance / Other

Global Id: T06019784786
Action Type: Other
Date: 01/20/2006
Action: Leak Began

Global Id: T06019784786
Action Type: Other
Date: 02/10/2006
Action: Leak Reported

Global Id: T06019784786
Action Type: RESPONSE
Date: 03/21/2011
Action: Corrective Action Plan / Remedial Action Plan - Regulator Responded

Global Id: T06019784786
Action Type: ENFORCEMENT

TLC CARWASH (Continued) **S108087204**

Date: 07/09/2009
Action: Letter - Notice

Global Id: T06019784786
Action Type: ENFORCEMENT
Date: 10/05/2010
Action: Technical Correspondence / Assistance / Other

Global Id: T06019784786
Action Type: ENFORCEMENT
Date: 01/16/2014
Action: Closure/No Further Action Letter

Global Id: T06019784786
Action Type: ENFORCEMENT
Date: 06/30/2011
Action: Technical Correspondence / Assistance / Other

Global Id: T06019784786
Action Type: ENFORCEMENT
Date: 06/04/2013
Action: Notification - Public Notice of Case Closure

Global Id: T06019784786
Action Type: Other
Date: 01/20/2006
Action: Leak Stopped

Global Id: T06019784786
Action Type: RESPONSE
Date: 07/30/2011
Action: Monitoring Report - Quarterly

Global Id: T06019784786
Action Type: RESPONSE
Date: 10/16/2014
Action: Other Report / Document

Global Id: T06019784786
Action Type: ENFORCEMENT
Date: 06/20/2012
Action: Technical Correspondence / Assistance / Other

Global Id: T06019784786
Action Type: ENFORCEMENT
Date: 06/03/2013
Action: Notification - Fee Title Owners Notice

Global Id: T06019784786
Action Type: RESPONSE
Date: 04/30/2011
Action: Monitoring Report - Quarterly

Global Id: T06019784786
Action Type: RESPONSE
Date: 01/31/2010
Action: Monitoring Report - Quarterly

TLC CARWASH (Continued) **S108087204**

LUST:

Global Id:	T06019784786
Status:	Open - Case Begin Date
Status Date:	01/20/2006
Global Id:	T06019784786
Status:	Open - Site Assessment
Status Date:	01/20/2006
Global Id:	T06019784786
Status:	Open - Eligible for Closure
Status Date:	11/20/2013
Global Id:	T06019784786
Status:	Completed - Case Closed
Status Date:	01/16/2014

SAN DIEGO CO. SAM:

Name:	TLC CARWASH
Address:	740 W SAN MARCOS BL
City,State,Zip:	SAN MARCOS, CA 92078
Case Number:	-511337
Agency:	DEH Site Assessment & Mitigation
Funding:	**LOP - State Fund**
Facility Type:	Drinking Water Aquifer Impacted
Facility Status:	Leak Being Confirmed
Date:	3/16/2006
Date Began:	1/20/2006

HMMD SAN DIEGO:

Name:	SOAPY JOE'S SAN MARCOS INC.
Address:	740 W SAN MARCOS BLVD
City,State,Zip:	SAN MARCOS, CA 92078-1222
Permit Number:	Not reported
Business Type:	Not reported
EPA Id Number:	CAL000368350
APN:	Not reported
Last HMMD Inspection:	Not reported
Facility Telephone:	760-591-0222
Permit Status:	Permit Renewed
Permit Expiration:	Not reported
Date Last Updated:	01/25/2022
Facility Owner:	Not reported
Facility Mailing Address:	11465 Woodside Avenue, Santee, CA 92071
Facility Mailing City:	Not reported
Facility Mailing State:	Not reported
Facility Mailing Zip:	Not reported
UST Owner:	N
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Y
Treat Haz Waste:	N
Generate Medical Waste:	Not reported

TLC CARWASH (Continued) **S108087204**

Inspection Violation:

Record ID:	DEH2015-HUPFP-002120
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-002120
Program Element:	Hazardous Waste Generator
Inspection Type:	Re-inspection
Inspection Number:	5564671
Return To Compliance Date:	2017-04-06T00:00:00.000
Nov:	Yes
Violation Classification:	Class I
Underground Storage Tank Id:	Not reported
Container/Tank Id:	Not reported
Last Update:	2022-01-25T18:26:40.000
Inspection Date:	2016-09-12T14:12:00.000
Violation Code:	HMD0131 Unified Program Facility Permit not obtained &/or maintained for the generation of hazardous waste. HSC 25404.1; SDCC 68.905; 68.906, 68.907

Record ID:	DEH2015-HUPFP-002120
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-002120
Program Element:	Hazardous Materials Release Response Plans
Inspection Type:	Re-inspection
Inspection Number:	5564671
Return To Compliance Date:	2016-09-28T00:00:00.000
Nov:	No
Violation Classification:	Class II
Underground Storage Tank Id:	Not reported
Container/Tank Id:	Not reported
Last Update:	2022-01-25T18:26:40.000
Inspection Date:	2016-09-12T14:12:00.000
Violation Code:	1010004 Chemical inventory incomplete or not submitted in CERS. HSC 25505(a)(1); 25506; 25507; and 25508(a)(1)(A)

Record ID:	DEH2015-HUPFP-002120
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-002120
Program Element:	Hazardous Materials Release Response Plans
Inspection Type:	Routine
Inspection Number:	5375744
Return To Compliance Date:	2016-05-30T00:00:00.000
Nov:	No
Violation Classification:	Minor
Underground Storage Tank Id:	Not reported
Container/Tank Id:	Not reported
Last Update:	2022-01-25T18:26:40.000
Inspection Date:	2015-10-29T09:18:00.000
Violation Code:	1010008 HMBP not certified annually as complete and accurate in CERS. HSC 25508.2

Record ID:	DEH2015-HUPFP-002120
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-002120

TLC CARWASH (Continued) **S108087204**

Program Element:	Hazardous Waste Generator
Inspection Type:	Routine
Inspection Number:	5838897
Return To Compliance Date:	2017-10-31T00:00:00.000
Nov:	No
Violation Classification:	Class II
Underground Storage Tank Id:	Not reported
Container/Tank Id:	Not reported
Last Update:	2022-01-25T18:26:40.000
Inspection Date:	2017-10-31T13:04:00.000
Violation Code:	HMD0219 Failed to properly segregate used oil &/or fuel drained from filters. HSC 25250.22(b)(4); 22 CCR 66266.130(c)(6)

Record ID:	DEH2015-HUPFP-002120
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-002120
Program Element:	Hazardous Waste Generator
Inspection Type:	Routine
Inspection Number:	6300648
Return To Compliance Date:	2019-11-08T00:00:00.000
Nov:	No
Violation Classification:	Minor
Underground Storage Tank Id:	Not reported
Container/Tank Id:	Not reported
Last Update:	2022-01-25T18:26:40.000
Inspection Date:	2019-10-23T00:00:00.000
Violation Code:	3010010 Failed to maintain copies of Uniform Hazardous Waste Manifest, consolidated manifest, or Bills of Lading for 3 years. HSC 25160.2(b)(3), 25185(a)(4); 22 CCR 66262.40(a), 66262.23(a)(3)

Record ID:	DEH2015-HUPFP-002120
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-002120
Program Element:	Hazardous Materials Release Response Plans
Inspection Type:	Routine
Inspection Number:	5375744
Return To Compliance Date:	2016-05-30T00:00:00.000
Nov:	No
Violation Classification:	CLASS II
Underground Storage Tank Id:	Not reported
Container/Tank Id:	Not reported
Last Update:	2022-01-25T18:26:40.000
Inspection Date:	2015-10-29T09:18:00.000
Violation Code:	1010001 HMBP not established/ implemented. HSC 25505(a) and 25507(a)

Record ID:	DEH2015-HUPFP-002120
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-002120
Program Element:	Hazardous Waste Generator
Inspection Type:	Routine
Inspection Number:	5838897
Return To Compliance Date:	2017-10-31T00:00:00.000
Nov:	No
Violation Classification:	Class II

TLC CARWASH (Continued) **S108087204**

Underground Storage Tank Id:	Not reported
Container/Tank Id:	Not reported
Last Update:	2022-01-25T18:26:40.000
Inspection Date:	2017-10-31T13:04:00.000
Violation Code:	3030036 Failed to maintain adequate aisle space. 22 CCR 66262.34(d)(2); 40 CFR 262.34(d)(4), 265.35
Record ID:	DEH2015-HUPFP-002120
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-002120
Program Element:	Hazardous Waste Generator
Inspection Type:	Routine
Inspection Number:	5375744
Return To Compliance Date:	2016-05-30T00:00:00.000
Nov:	No
Violation Classification:	Minor
Underground Storage Tank Id:	Not reported
Container/Tank Id:	Not reported
Last Update:	2022-01-25T18:26:40.000
Inspection Date:	2015-10-29T09:18:00.000
Violation Code:	3010010 Failed to maintain uniform hazardous waste manifest, consolidated manifest, or bills of lading copies for 3 years. HSC 25160.2(b)(3), 25185(a)(4); 22 CCR 66262.40(a)
Record ID:	DEH2015-HUPFP-002120
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-002120
Program Element:	Hazardous Waste Generator
Inspection Type:	Routine
Inspection Number:	5838897
Return To Compliance Date:	2018-03-13T00:00:00.000
Nov:	No
Violation Classification:	Class II
Underground Storage Tank Id:	Not reported
Container/Tank Id:	Not reported
Last Update:	2022-01-25T18:26:40.000
Inspection Date:	2017-10-31T13:04:00.000
Violation Code:	HMD0152 +e-aFailed to report &/or update the required inventory information for hazardous waste(s) generated at the facility in CERS. +e-aSDCC 68.904(a)(2)
Record ID:	DEH2015-HUPFP-002120
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-002120
Program Element:	Hazardous Materials Release Response Plans
Inspection Type:	Routine
Inspection Number:	6300648
Return To Compliance Date:	2019-11-08T00:00:00.000
Nov:	No
Violation Classification:	Minor
Underground Storage Tank Id:	Not reported
Container/Tank Id:	Not reported
Last Update:	2022-01-25T18:26:40.000
Inspection Date:	2019-10-23T00:00:00.000

TLC CARWASH (Continued) **S108087204**

Violation Code:	1020002 Initial &/or annual employee training not conducted in safety procedures for a hazardous material release or threatened release &/or employee training records not available or not maintained for 3 years. HSC 25505(a)(4); 19 CCR 2659(b)
Record ID:	DEH2015-HUPFP-002120
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-002120
Program Element:	Hazardous Materials Release Response Plans
Inspection Type:	Routine
Inspection Number:	5838897
Return To Compliance Date:	2018-03-13T00:00:00.000
Nov:	No
Violation Classification:	Minor
Underground Storage Tank Id:	Not reported
Container/Tank Id:	Not reported
Last Update:	2022-01-25T18:26:40.000
Inspection Date:	2017-10-31T13:04:00.000
Violation Code:	1010008 HMBP not certified annually as complete and accurate in CERS. HSC 25508(a)(1)(A), 25508.2, 19 CCR 2654(b)
Record ID:	DEH2015-HUPFP-002120
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-002120
Program Element:	Hazardous Materials Release Response Plans
Inspection Type:	Re-inspection
Inspection Number:	5564671
Return To Compliance Date:	2016-11-09T00:00:00.000
Nov:	Yes
Violation Classification:	Class I
Underground Storage Tank Id:	Not reported
Container/Tank Id:	Not reported
Last Update:	2022-01-25T18:26:40.000
Inspection Date:	2016-09-12T14:12:00.000
Violation Code:	HMD1001 Unified Program Facility permit not obtained for hazardous materials. SDCC 68.905
Record ID:	DEH2015-HUPFP-002120
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-002120
Program Element:	Hazardous Materials Release Response Plans
Inspection Type:	Routine
Inspection Number:	5375744
Return To Compliance Date:	2016-05-30T00:00:00.000
Nov:	No
Violation Classification:	Minor
Underground Storage Tank Id:	Not reported
Container/Tank Id:	Not reported
Last Update:	2022-01-25T18:26:40.000
Inspection Date:	2015-10-29T09:18:00.000
Violation Code:	1020002 Initial and/or annual employee training not conducted for hazardous materials management and/or employee training records not available or not maintained for 3 years. HSC 25505(a)(4)

TLC CARWASH (Continued) **S108087204**

Waste and Materials:

Record ID:	DEH2015-HUPFP-002120
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2018-HCHEM-0173774
Trade Secret:	N
Hazardous Material Type:	Mixture
Last Updated:	2018-11-20T02:31:38.000
Chemical Name:	Not reported
Common Name:	Motor Oil
Case Number:	Not reported

Record ID:	DEH2015-HUPFP-002120
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2019-HCHEM-0211016
Trade Secret:	N
Hazardous Material Type:	Pure
Last Updated:	2020-03-18T12:20:23.000
Chemical Name:	Silicone Oil
Common Name:	Tire Shine
Case Number:	63148-62-9

Record ID:	DEH2015-HUPFP-002120
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2019-HWAST-0183283
Trade Secret:	N
Hazardous Material Type:	Not reported
Last Updated:	2020-03-18T12:20:23.000
Chemical Name:	Distillates (petroleum), hydrotreated heavy paraffinic
Common Name:	Hydraulic Oil
Case Number:	Not reported

Record ID:	DEH2015-HUPFP-002120
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2016-HCHEM-0114621
Trade Secret:	N
Hazardous Material Type:	Mixture
Last Updated:	2018-01-16T18:40:31.000
Chemical Name:	motor oil
Common Name:	Motor Oil
Case Number:	6474X-XX-X

Record ID:	DEH2015-HUPFP-002120
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2016-HWAST-0095955
Trade Secret:	N
Hazardous Material Type:	Not reported
Last Updated:	2018-01-16T18:40:31.000
Chemical Name:	waste oil
Common Name:	waste oil
Case Number:	Not reported

Record ID:	DEH2015-HUPFP-002120

TLC CARWASH (Continued) **S108087204**

Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2016-HWAST-0095956
Trade Secret:	N
Hazardous Material Type:	Not reported
Last Updated:	2018-01-16T18:40:31.000
Chemical Name:	Ethylene Glycol
Common Name:	Waste antireeze
Case Number:	Not reported
Record ID:	DEH2015-HUPFP-002120
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2020-HCHEM-0280872
Trade Secret:	N
Hazardous Material Type:	Mixture
Last Updated:	2020-12-10T11:58:31.000
Chemical Name:	Low pH detergents
Common Name:	AF 2010, Cleantech HD, Results 2X, Express Foam LP, Fusion Bath (Blue, Red, Yellow)
Case Number:	Not reported
Record ID:	DEH2015-HUPFP-002120
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2020-HWAST-0250355
Trade Secret:	N
Hazardous Material Type:	Not reported
Last Updated:	2020-12-10T11:58:31.000
Chemical Name:	Distillates (petroleum), hydrotreated heavy paraffinic
Common Name:	Hydraulic Oil
Case Number:	Not reported
Record ID:	DEH2015-HUPFP-002120
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2022-HCHEM-0318297
Trade Secret:	N
Hazardous Material Type:	Mixture
Last Updated:	2022-01-25T18:26:42.000
Chemical Name:	Neutral pH Sealants
Common Name:	Tire Shine, Protect 2, Fusion Seal White, X55,
Case Number:	Not reported
Record ID:	DEH2015-HUPFP-002120
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2022-HCHEM-0318298
Trade Secret:	N
Hazardous Material Type:	Mixture
Last Updated:	2022-01-25T18:26:42.000
Chemical Name:	Low pH detergents
Common Name:	AF 2010, Cleantech HD, Results 2X, Express Foam LP, Fusion Bath (Blue, Red, Yellow)
Case Number:	Not reported
Record ID:	DEH2015-HUPFP-002120
Permit Status:	Permit Renewed
Active Permit:	Y

TLC CARWASH (Continued) **S108087204**

Child Record Id: DEH2022-HWAST-0285234
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2022-01-25T18:26:42.000
Chemical Name: Distillates (petroleum), hydrotreated heavy paraffinic
Common Name: Hydraulic Oil
Case Number: Not reported

Record ID: DEH2015-HUPFP-002120
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HWAST-0147888
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2018-11-20T02:31:38.000
Chemical Name: Not reported
Common Name: Waste Oil
Case Number: Not reported

Record ID: DEH2015-HUPFP-002120
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HWAST-0147889
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2018-11-20T02:31:38.000
Chemical Name: Ethylene Glycol
Common Name: Used Antifreeze
Case Number: Not reported

Record ID: DEH2015-HUPFP-002120
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HWAST-0147890
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2018-11-20T02:31:38.000
Chemical Name: Not reported
Common Name: Used Oil Filters (Drained)
Case Number: Not reported

Record ID: DEH2015-HUPFP-002120
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HCHEM-0280871
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2020-12-10T11:58:31.000
Chemical Name: Neutral pH Sealants
Common Name: Tire Shine, Protect 2, Fusion Seal White, X55,
Case Number: Not reported

Record ID: DEH2015-HUPFP-002120
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HCHEM-0261825
Trade Secret: N

TLC CARWASH (Continued) **S108087204**

Hazardous Material Type: Pure
Last Updated: 2020-04-29T01:10:51.000
Chemical Name: Silicone Oil
Common Name: Tire Shine
Case Number: 63148-62-9

Record ID: DEH2015-HUPFP-002120
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HWAST-0232892
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2020-04-29T01:10:52.000
Chemical Name: Distillates (petroleum), hydrotreated heavy paraffinic
Common Name: Hydraulic Oil
Case Number: Not reported

Record ID: DEH2015-HUPFP-002120
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2021-HCHEM-0297165
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2021-10-23T02:36:29.000
Chemical Name: Neutral pH Sealants
Common Name: Tire Shine, Protect 2, Fusion Seal White, X55,
Case Number: Not reported

Record ID: DEH2015-HUPFP-002120
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2021-HCHEM-0297166
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2021-10-23T02:36:29.000
Chemical Name: Low pH detergents
Common Name: AF 2010, Cleantech HD, Results 2X, Express Foam LP, Fusion Bath (Blue, Red, Yellow)
Case Number: Not reported

Record ID: DEH2015-HUPFP-002120
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2021-HWAST-0265230
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2021-10-23T02:36:29.000
Chemical Name: Distillates (petroleum), hydrotreated heavy paraffinic
Common Name: Hydraulic Oil
Case Number: Not reported

Record ID: DEH2015-HUPFP-002120
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HWAST-0243584
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2020-11-19T01:28:20.000

TLC CARWASH (Continued) **S108087204**

Chemical Name: Distillates (petroleum), hydrotreated heavy paraffinic
Common Name: Hydraulic Oil
Case Number: Not reported

Record ID: DEH2015-HUPFP-002120
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HCHEM-0275109
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2020-11-19T01:28:20.000
Chemical Name: Silicone Oil
Common Name: Tire Shine
Case Number: 63148-62-9

CORTESE:
Name: TLC CARWASH
Address: 740 W SAN MARCOS BL
City,State,Zip: SAN MARCOS, CA 92078
Region: CORTESE
Envirostor Id: Not reported
Global ID: T06019784786
Site/Facility Type: LUST CLEANUP SITE
Cleanup Status: COMPLETED - CASE CLOSED
Status Date: Not reported
Site Code: Not reported
Latitude: Not reported
Longitude: Not reported
Owner: Not reported
Enf Type: Not reported
Swat R: Not reported
Flag: active
Order No: Not reported
Waste Discharge System No: Not reported
Effective Date: Not reported
Region 2: Not reported
WID Id: Not reported
Solid Waste Id No: Not reported
Waste Management Uit Name: Not reported
File Name: Active Open

CERS:
Name: TLC CARWASH
Address: 740 W SAN MARCOS BL
City,State,Zip: SAN MARCOS, CA 92078
Site ID: 222428
CERS ID: T06019784786
CERS Description: Leaking Underground Storage Tank Cleanup Site

AA156 **MASHBURN SANITATION** **SWF/LF** **S101302225**
West **224 LAS POSAS RD** **LUST** **N/A**
1/4-1/2 **SAN MARCOS, CA 92069** **HIST CORTESE**
0.276 mi.
1456 ft. **Site 1 of 3 in cluster AA**

Relative:
Higher

Actual:
544 ft.

SWF/LF (SWIS):

Name:	EDCO WASTE AND RECYCLING - LVT OP.
Address:	224 SOUTH LAS POSAS
City,State,Zip:	SAN MARCOS, CA 92078
Region:	STATE
Facility ID:	37-AA-0969
SWIS Number:	37-AA-0969
Point of Contact:	Cody Oquendo
Is Archived:	No
Is Closed Illegal Abandoned:	No
Is Site Inert Debris Engineered Fill:	No
Is Financial Assurances Responsible:	No
Absorbed On:	Not reported
Operational Status:	Active
Absorbed By:	Not reported
Closed Illegal Abandoned Category:	Not reported
EPA Federal Registry ID:	Not reported
ARB District:	San Diego
SWRCB Region:	San Diego
Local Government:	San Marcos
Reporting Agency Legal Name:	County of San Diego
Reporting Agency Department:	Department of Environmental Health
Enforcing Agency Legal Name:	County of San Diego
Enforcing Agency Department:	Department of Environmental Health
Regulation Status:	Notification

Activity:

SWIS Number:	37-AA-0969
Site Name:	EDCO Waste and Recycling - LVT Op.
Activity:	Limited Volume Transfer Operation
Activity Is Archived:	No
Category:	Transfer/Processing
Activity Classification:	Solid Waste Operation
WDR Number:	Not reported
WDR Landfill Class:	Not reported
Cease Operation:	Not reported
Cease Operation Type:	Not reported
Inspection Frequency:	Quarterly
Throughput:	15
Throughput Units:	Tons per day
Remaining Capacity:	Not reported
Remaining Capacity Date:	Not reported
Capacity:	4680
Capacity Units:	Tons per year
Total Acreage:	11
Disposal Acreage:	Not reported
Permitted Elevation:	Not reported
Permitted Elevation Type:	Not reported
Permitted Depth:	Not reported
Permitted Depth Type:	Not reported
Point of Contact:	Cody Oquendo
Site Operational Status:	Active
Site Regulatory Status:	Notification
Site Is Archived:	No

MASHBURN SANITATION (Continued) **S101302225**

Is Closed Illegal Abandoned:	No
Is Site Inert Debris Engineered Fill:	No
Is Financial Assurances Responsible:	No
Absorbed On:	Not reported
Absorbed By:	Not reported
Closed Illegal Abandoned Category:	Not reported
EPA Federal Registry ID:	Not reported
County:	San Diego
ARB District:	San Diego
SWRCB Region:	San Diego
Local Government:	San Marcos
Street Address:	224 South Las Posas
City:	San Marcos
State:	CA
ZIP Code:	92078
Reporting Agency Legal Name:	County of San Diego
Reporting Agency Department:	Department of Environmental Health
Enforcing Agency Legal Name:	County of San Diego
Enforcing Agency Department:	Department of Environmental Health

Operator:

SWIS Number:	37-AA-0969
Site Name:	EDCO Waste and Recycling - LVT Op.
Site Operational Status:	Active
Site Type:	Non-Disposal Only
Site Regulatory Status:	Notification
Latitude:	33.14261
Longitude:	-117.1936
Is Archived:	No
Operator:	EDCO Waste and Recycling
Started On:	Not reported
Contact Name:	Not reported
Contact Title:	Not reported
Contact Email:	Not reported
Contact Phone:	(760) 744-5615
Street Address:	Steve South, CEO 224 South Las Posas Road
Operator City:	San Marcos
Operator State:	CA
Operator Zip:	92078

Owner:

SWIS Number:	37-AA-0969
Owner:	Federal Boulevard Properties
Owner Address:	Steve South, President 6670 Federal Blvd.
Owner City:	San Marcos
Owner State:	CA
Owner Zip:	91945
Site Name:	EDCO Waste and Recycling - LVT Op.
Site Operational Status:	Active
Site Type:	Non-Disposal Only
Site Regulatory Status:	Notification
Latitude:	33.14261
Longitude:	-117.1936
Is Archived:	No
Started On:	Not reported
Contact Name:	Not reported

MASHBURN SANITATION (Continued) **S101302225**

Contact Title: Not reported
Contact Email: Not reported
Contact Phone: (619) 287-7555

Waste:
SWIS Number: 37-AA-0969
Site Name: EDCO Waste and Recycling - LVT Op.
Activity: Limited Volume Transfer Operation
Waste Type: Mixed municipal
Site Is Archived: No
Site Operational Status: Active
Site Regulatory Status: Notification
Site Type: Non-Disposal Only
Point of Contact: Cody Oquendo
Activity Is Archived: No
Activity Operational Status: Active
Activity Regulatory Status: Notification
Activity Category: Transfer/Processing
Activity Classification: Solid Waste Operation

SAN DIEGO CO. LF:
Name: EDCO CONSTRUCTION DEMOLOTION INERT RECYCLING FACILITY
Address: 224 LAS POSAS ROAD
City,State,Zip: SAN MARCOS, CA
Facility Status: ACTIVE SITES
Operational Status: ACTIVE
Region: SAN DIEGO
SWIS Number: 37-AA-0953
Owner Name: FEDERAL BOULEVARD PROPERTIES
Operator: EDCO WASTE AND RECYCLING INC
Facility Type: MEDIUM VOLUME TRANSFER/ MEDIUM VOLUME CDI PROCESSING
Facility Type2: CDI PROCESSING
PERMTIER: REGISTRATION
Inspection Frequency: MONTHLY

LUST REG 9:
Region: 9
Status: Case Closed
Case Number: 9UT1425
Local Case: H10646-001
Substance: Waste Oil
Qty Leaked: Not reported
Abate Method: Excavate and Dispose - remove contaminated soil and dispose in approved site
Local Agency: San Diego
How Found: Tank Closure
How Stopped: Close Tank
Source: Unknown
Cause: Unknown
Lead Agency: Local Agency
Case Type: Aquifer affected
Date Found: 05/18/1989
Date Stopped: 05/18/1989
Confirm Date: 05/18/1989
Submit Workplan: Not reported

MASHBURN SANITATION (Continued) **S101302225**

Prelim Assess: 06/08/1989
Desc Pollution: Not reported
Remed Plan: 12/14/1992
Remed Action: Not reported
Began Monitor: Not reported
Release Date: 01/24/1990
Enforce Date: Not reported
Closed Date: 2/11/98
Enforce Type: Not reported
Pilot Program: LOP
Basin Number: 904.52
GW Depth: 7'
Beneficial Use: Municipal groundwater use
NPDES Number: Not reported
Priority: 1B
File Dispn: Not reported
Interim Remedial Actions: Yes
Cleanup and Abatement order Number: Not reported
Waste Discharge Requirement Number: Not reported

Region: 9
Status: Case Closed
Case Number: 9UT2285
Local Case: H10646-003
Substance: Motor Oil
Qty Leaked: Not reported
Abate Method: Excavate and Dispose - remove contaminated soil and dispose in approved site
Local Agency: San Diego
How Found: Tank Closure
How Stopped: Close Tank
Source: Tank
Cause: Unknown
Lead Agency: Local Agency
Case Type: Aquifer affected
Date Found: 09/09/1992
Date Stopped: 09/09/1992
Confirm Date: 09/09/1992
Submit Workplan: 9/23/92
Prelim Assess: / /
Desc Pollution: Not reported
Remed Plan: 03/08/1993
Remed Action: Not reported
Began Monitor: Not reported
Release Date: 09/09/1992
Enforce Date: Not reported
Closed Date: 2/11/98
Enforce Type: Not reported
Pilot Program: LOP
Basin Number: 904.52
GW Depth: 7
Beneficial Use: Municipal groundwater use
NPDES Number: Not reported
Priority: 1B
File Dispn: Not reported
Interim Remedial Actions: Yes
Cleanup and Abatement order Number: Not reported

MASHBURN SANITATION (Continued) **S101302225**

Waste Discharge Requirement Number: Not reported

HIST CORTESE:

edr_fname:	MASHBURN SANITATION
edr_fadd1:	224 LAS POSAS
City,State,Zip:	SAN MARCOS, CA 92069
Region:	CORTESE
Facility County Code:	37
Reg By:	LTNKA
Reg Id:	9UT2285

edr_fname:	MASHBURN WASTE
edr_fadd1:	224 LAS POSAS
City,State,Zip:	SAN MARCOS, CA 92069
Region:	CORTESE
Facility County Code:	37
Reg By:	LTNKA
Reg Id:	9UT3726

AA157 **MASHBURN SANITATION CO.** **SWF/LF** **S100233159**
West **224 LAS POSAS ROAD** **Notify 65** **N/A**
1/4-1/2 **SAN MARCOS, CA**
0.276 mi.
1456 ft. **Site 2 of 3 in cluster AA**

Relative:
Higher

Actual:
544 ft.

SAN DIEGO CO. LF:

Name:	EDCO WASTE & RECYCLING
Address:	224 S. LAS POSAS ROAD
City,State,Zip:	SAN MARCOS, CA
Facility Status:	ACTIVE SITES
Operational Status:	ACTIVE
Region:	SAN DIEGO
SWIS Number:	37-AA-0969
Owner Name:	FEDERAL BOULEVARD PROPERTIES
Operator:	MR. STEVE SOUTH
Facility Type:	LIMITED VOLUME TRANSFER OPERATIONS/ ENGINEERED FILL
Facility Type2:	TRANSFER OPERATION
PERMTIER:	EA NOTIFICATION
Inspection Frequency:	QUARTERLY

NOTIFY 65:

Name:	MASHBURN SANITATION CO.
Address:	224 LAS POSAS ROAD
City,State,Zip:	SAN MARCOS, CA
Date Reported:	Not reported
Staff Initials:	Not reported
Board File Number:	Not reported
Facility Type:	Not reported
Discharge Date:	Not reported
Issue Date:	Not reported
Incident Description:	Not reported
Global ID:	Not reported
Status:	Not reported

AA158 **SOLID WASTE SERVICES** **SWF/LF** **S104234424**
West **224 S LAS POSAS RD** **LUST** **N/A**
1/4-1/2 **SAN MARCOS, CA 92069** **SAN DIEGO CO. SAM**
0.276 mi. **CPS-SLIC**
1456 ft. **Site 3 of 3 in cluster AA** **AST**
SWRCY
Relative: **San Diego Co. HMMD**
Higher **CERS HAZ WASTE**
SWEEPS UST
Actual: **Cortese**
544 ft. **NPDES**
SAN DIEGO CO LOP
CIWQS
CERS

SWF/LF (SWIS):

Name:	EDCO CDI RECYCLING
Address:	224 S. LAS POSAS ROAD
City,State,Zip:	SAN MARCOS, CA 92078
Region:	STATE
Facility ID:	37-AA-0953
SWIS Number:	37-AA-0953
Point of Contact:	Cody Oquendo
Is Archived:	No
Is Closed Illegal Abandoned:	No
Is Site Inert Debris Engineered Fill:	No
Is Financial Assurances Responsible:	No
Absorbed On:	Not reported
Operational Status:	Active
Absorbed By:	Not reported
Closed Illegal Abandoned Category:	Not reported
EPA Federal Registry ID:	Not reported
ARB District:	San Diego
SWRCB Region:	San Diego
Local Government:	San Marcos
Reporting Agency Legal Name:	County of San Diego
Reporting Agency Department:	Department of Environmental Health
Enforcing Agency Legal Name:	County of San Diego
Enforcing Agency Department:	Department of Environmental Health
Regulation Status:	Permitted

Activity:

SWIS Number:	37-AA-0953
Site Name:	EDCO CDI Recycling
Activity:	Medium Volume CDI Debris Processing Facility
Activity Is Archived:	No
Category:	Transfer/Processing
Activity Classification:	Solid Waste Facility
WDR Number:	Not reported
WDR Landfill Class:	Not reported
Cease Operation:	Not reported
Cease Operation Type:	Not reported
Inspection Frequency:	Monthly
Throughput:	175
Throughput Units:	Tons per day
Remaining Capacity:	Not reported
Remaining Capacity Date:	Not reported
Capacity:	53418
Capacity Units:	Tons per year
Total Acreage:	11

SOLID WASTE SERVICES (Continued) **S104234424**

Disposal Acreage:	Not reported
Permitted Elevation:	Not reported
Permitted Elevation Type:	Not reported
Permitted Depth:	Not reported
Permitted Depth Type:	Not reported
Point of Contact:	Cody Oquendo
Site Operational Status:	Active
Site Regulatory Status:	Permitted
Site Is Archived:	No
Is Closed Illegal Abandoned:	No
Is Site Inert Debris Engineered Fill:	No
Is Financial Assurances Responsible:	No
Absorbed On:	Not reported
Absorbed By:	Not reported
Closed Illegal Abandoned Category:	Not reported
EPA Federal Registry ID:	Not reported
County:	San Diego
ARB District:	San Diego
SWRCB Region:	San Diego
Local Government:	San Marcos
Street Address:	224 S. Las Posas Road
City:	San Marcos
State:	CA
ZIP Code:	92078
Reporting Agency Legal Name:	County of San Diego
Reporting Agency Department:	Department of Environmental Health
Enforcing Agency Legal Name:	County of San Diego
Enforcing Agency Department:	Department of Environmental Health

Operator:

SWIS Number:	37-AA-0953
Site Name:	EDCO CDI Recycling
Site Operational Status:	Active
Site Type:	Non-Disposal Only
Site Regulatory Status:	Permitted
Latitude:	33.14166
Longitude:	-117.19386
Is Archived:	No
Operator:	EDCO Waste and Recycling Services
Started On:	Not reported
Contact Name:	Not reported
Contact Title:	Not reported
Contact Email:	Not reported
Contact Phone:	(760) 744-2700
Street Address:	Jeffery Ritchie 224 S. Las Posas Road
Operator City:	San Marcos
Operator State:	CA
Operator Zip:	92078

Owner:

SWIS Number:	37-AA-0953
Owner:	Federal Boulevard Properties
Owner Address:	Steven South, Chief Operaing Officer 6670 Federal Boulevard
Owner City:	Lemon Grove
Owner State:	CA
Owner Zip:	91945

SOLID WASTE SERVICES (Continued) **S104234424**

Site Name:	EDCO CDI Recycling
Site Operational Status:	Active
Site Type:	Non-Disposal Only
Site Regulatory Status:	Permitted
Latitude:	33.14166
Longitude:	-117.19386
Is Archived:	No
Started On:	Not reported
Contact Name:	Not reported
Contact Title:	Not reported
Contact Email:	Not reported
Contact Phone:	(619) 287-3532

Waste:

SWIS Number:	37-AA-0953
Site Name:	EDCO CDI Recycling
Activity:	Medium Volume CDI Debris Processing Facility
Waste Type:	Construction/demolition
Site Is Archived:	No
Site Operational Status:	Active
Site Regulatory Status:	Permitted
Site Type:	Non-Disposal Only
Point of Contact:	Cody Oquendo
Activity Is Archived:	No
Activity Operational Status:	Active
Activity Regulatory Status:	Permitted
Activity Category:	Transfer/Processing
Activity Classification:	Solid Waste Facility

SWIS Number:	37-AA-0953
Site Name:	EDCO CDI Recycling
Activity:	Medium Volume CDI Debris Processing Facility
Waste Type:	Inert
Site Is Archived:	No
Site Operational Status:	Active
Site Regulatory Status:	Permitted
Site Type:	Non-Disposal Only
Point of Contact:	Cody Oquendo
Activity Is Archived:	No
Activity Operational Status:	Active
Activity Regulatory Status:	Permitted
Activity Category:	Transfer/Processing
Activity Classification:	Solid Waste Facility

LUST:

Name:	EDCO WASTE & RECYCLING SERVICE
Address:	224 S LAS POSAS RD
City,State,Zip:	SAN MARCOS, CA 920691423
Lead Agency:	SAN DIEGO COUNTY LOP
Case Type:	LUST Cleanup Site
Geo Track:	http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0607302493
Global Id:	T0607302493
Latitude:	33.141990456
Longitude:	-117.194659144
Status:	Completed - Case Closed

SOLID WASTE SERVICES (Continued) **S104234424**

Status Date: 01/21/2009
Case Worker: Not reported
RB Case Number: 9UT3726
Local Agency: Not reported
File Location: Local Agency
Local Case Number: H10646-004
Potential Media Affect: Aquifer used for drinking water supply
Potential Contaminants of Concern: Diesel
Site History: Not reported

LUST:
Global Id: T0607302493
Action Type: Other
Date: 09/09/1998
Action: Leak Began

Global Id: T0607302493
Action Type: Other
Date: 09/09/1998
Action: Leak Reported

Global Id: T0607302493
Action Type: ENFORCEMENT
Date: 09/30/1998
Action: Notice of Responsibility

Global Id: T0607302493
Action Type: Other
Date: 09/09/1998
Action: Leak Stopped

Global Id: T0607302493
Action Type: ENFORCEMENT
Date: 12/24/2008
Action: Closure/No Further Action Letter

Global Id: T0607302493
Action Type: ENFORCEMENT
Date: 10/01/2008
Action: Notification - Public Notice of ROD/RAP/CAP

Global Id: T0607302493
Action Type: Other
Date: 09/09/1998
Action: Leak Discovery

LUST:
Global Id: T0607302493
Status: Open - Case Begin Date
Status Date: 09/09/1998

Global Id: T0607302493
Status: Open - Remediation
Status Date: 01/01/1999

Global Id: T0607302493
Status: Completed - Case Closed

SOLID WASTE SERVICES (Continued) **S104234424**

Status Date: 01/21/2009

Name: EDCO WASTE & RECYCLING SERVICE
Address: 224 S LAS POSAS RD
City,State,Zip: SAN MARCOS, CA 920691423
Lead Agency: SAN DIEGO COUNTY LOP
Case Type: LUST Cleanup Site
Geo Track: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0607301051
Global Id: T0607301051
Latitude: 33.141628
Longitude: -117.193864
Status: Completed - Case Closed
Status Date: 02/11/1998
Case Worker: Not reported
RB Case Number: 9UT2285
Local Agency: Not reported
File Location: Local Agency
Local Case Number: H10646-003
Potential Media Affect: Aquifer used for drinking water supply
Potential Contaminants of Concern: Waste Oil / Motor / Hydraulic / Lubricating
Site History: Not reported

LUST:
Global Id: T0607301051
Action Type: Other
Date: 09/09/1992
Action: Leak Reported

Global Id: T0607301051
Action Type: Other
Date: 09/09/1992
Action: Leak Began

Global Id: T0607301051
Action Type: ENFORCEMENT
Date: 09/28/1992
Action: Notice of Responsibility

Global Id: T0607301051
Action Type: Other
Date: 09/09/1992
Action: Leak Stopped

Global Id: T0607301051
Action Type: ENFORCEMENT
Date: 01/16/1998
Action: Closure/No Further Action Letter - #H10646-003

Global Id: T0607301051
Action Type: Other
Date: 09/09/1992
Action: Leak Discovery

LUST:
Global Id: T0607301051
Status: Open - Case Begin Date

SOLID WASTE SERVICES (Continued) **S104234424**

Status Date: 09/09/1992

Global Id: T0607301051
Status: Completed - Case Closed
Status Date: 02/11/1998

Name: EDCO WASTE & RECYCLING SERVICE
Address: 224 S LAS POSAS RD
City,State,Zip: SAN MARCOS, CA 920691423
Lead Agency: SAN DIEGO COUNTY LOP
Case Type: LUST Cleanup Site
Geo Track: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0607300258
Global Id: T0607300258
Latitude: 33.141628
Longitude: -117.193864
Status: Completed - Case Closed
Status Date: 02/11/1998
Case Worker: Not reported
RB Case Number: 9UT1425
Local Agency: Not reported
File Location: Local Agency
Local Case Number: H10646-001
Potential Media Affect: Aquifer used for drinking water supply
Potential Contaminants of Concern: Waste Oil / Motor / Hydraulic / Lubricating
Site History: Not reported

LUST:
Global Id: T0607300258
Action Type: Other
Date: 05/18/1989
Action: Leak Reported

Global Id: T0607300258
Action Type: Other
Date: 05/18/1989
Action: Leak Began

Global Id: T0607300258
Action Type: ENFORCEMENT
Date: 05/22/1989
Action: Notice of Responsibility

Global Id: T0607300258
Action Type: Other
Date: 05/18/1989
Action: Leak Stopped

Global Id: T0607300258
Action Type: ENFORCEMENT
Date: 01/16/1998
Action: Closure/No Further Action Letter - #H10646-001

Global Id: T0607300258
Action Type: ENFORCEMENT
Date: 02/11/1998
Action: Closure/No Further Action Letter

SOLID WASTE SERVICES (Continued) **S104234424**

Global Id: T0607300258
Action Type: Other
Date: 05/18/1989
Action: Leak Discovery

LUST:
Global Id: T0607300258
Status: Open - Case Begin Date
Status Date: 05/18/1989

Global Id: T0607300258
Status: Completed - Case Closed
Status Date: 02/11/1998

SAN DIEGO CO. SAM:
Name: EDCO WASTE & RECYCLING SERVICE
Address: 224 S LAS POSAS RD
City,State,Zip: SAN MARCOS, CA 920691423
Case Number: H10646-001
Agency: DEH Site Assessment & Mitigation
Funding: **LOP - Federal Fund**
Facility Type: Drinking Water Aquifer Impacted
Facility Status: Closed Case
Date: 2/11/1998
Date Began: 5/18/1989

Name: EDCO WASTE & RECYCLING SERVICE
Address: 224 S LAS POSAS RD
City,State,Zip: SAN MARCOS, CA 920691423
Case Number: H10646-003
Agency: DEH Site Assessment & Mitigation
Funding: **LOP - Federal Fund**
Facility Type: Drinking Water Aquifer Impacted
Facility Status: Closed Case
Date: 2/11/1998
Date Began: 9/9/1992

Name: EDCO WASTE & RECYCLING SERVICE
Address: 224 S LAS POSAS RD
City,State,Zip: SAN MARCOS, CA 920691423
Case Number: H10646-002
Agency: DEH Site Assessment & Mitigation
Funding: **Non Billable**
Facility Type: Failed Integrity Test
Facility Status: Closed Case
Date: 9/16/1992
Date Began: 12/18/1991

Name: EDCO WASTE & RECYCLING SERVICE
Address: 224 S LAS POSAS RD
City,State,Zip: SAN MARCOS, CA 920691423
Case Number: H10646-004
Agency: DEH Site Assessment & Mitigation
Funding: **LOP - State Fund**
Facility Type: Drinking Water Aquifer Impacted

SOLID WASTE SERVICES (Continued) **S104234424**

Facility Status:	Closed Case
Date:	12/24/2008
Date Began:	9/9/1998

CPS-SLIC:

Name:	EDCO WASTE & RECYCLING SERVICE
Address:	224 S LAS POSAS RD
City,State,Zip:	SAN MARCOS, CA 920691423
Region:	STATE
Facility Status:	**Completed - Case Closed**
Status Date:	09/16/1992
Global Id:	T0608184522
Lead Agency:	SAN DIEGO COUNTY LOP
Lead Agency Case Number:	H10646-002
Latitude:	33.141628
Longitude:	-117.193864
Case Type:	Cleanup Program Site
Case Worker:	Not reported
Local Agency:	Not reported
RB Case Number:	Not reported
File Location:	Local Agency
Potential Media Affected:	Not reported
Potential Contaminants of Concern:	Not reported
Site History:	Not reported

Click here to access the California GeoTracker records for this facility:

AST:

Name:	EDCO WASTE & RECYCLING SERVICE
Address:	224 S LAS POSAS RD
City/Zip:	SAN MARCOS,92078
Certified Unified Program Agencies:	Not reported
Owner:	Edward Burr
Total Gallons:	Not reported
CERSID:	10375948
Facility ID:	37-000-110646
Business Name:	EDCO DISPOSAL CORPORATION
Phone:	760-744-2700
Fax:	Not reported
Mailing Address:	224 S LAS POSAS RD
Mailing Address City:	SAN MARCOS
Mailing Address State:	CA
Mailing Address Zip Code:	Not reported
Operator Name:	EDCO WASTE & RECYCLING SVC, INC
Operator Phone:	760-744-5615
Owner Phone:	619-287-7555
Owner Mail Address:	224 S Las Posas Rd
Owner State:	CA
Owner Zip Code:	92078
Owner Country:	United States
Property Owner Name:	FEDERAL BOULEVARD PROPERTIES L
Property Owner Phone:	Not reported
Property Owner Mailing Address:	6670 FEDERAL BLVD
Property Owner City:	LEMON GROVE
Property Owner Stat :	CA
Property Owner Zip Code:	91945

SOLID WASTE SERVICES (Continued) **S104234424**

Property Owner Country:	United States
EPAID:	CAD054780051
Name:	EDCO WASTE & RECYCLING SERVICE
Address:	224 S LAS POSAS RD
City/Zip:	SAN MARCOS,
Certified Unified Program Agencies:	San Diego
Owner:	EDCO WASTE & RECYCLING SVC, INC
Total Gallons:	4825
CERSID:	Not reported
Facility ID:	Not reported
Business Name:	Not reported
Phone:	Not reported
Fax:	Not reported
Mailing Address:	Not reported
Mailing Address City:	Not reported
Mailing Address State:	Not reported
Mailing Address Zip Code:	Not reported
Operator Name:	Not reported
Operator Phone:	Not reported
Owner Phone:	Not reported
Owner Mail Address:	Not reported
Owner State:	Not reported
Owner Zip Code:	Not reported
Owner Country:	Not reported
Property Owner Name:	Not reported
Property Owner Phone:	Not reported
Property Owner Mailing Address:	Not reported
Property Owner City:	Not reported
Property Owner Stat :	Not reported
Property Owner Zip Code:	Not reported
Property Owner Country:	Not reported
EPAID:	Not reported

SWRCY:

Name:	EDCO BUYBACK CENTER
Address:	224 S LAS POSAS RD
City,State,Zip:	SAN MARCOS, CA 92078
Reg Id:	25118
Cert Id:	RC12179
Mailing Address:	224 S Las Posas Rd
Mailing City:	San Marcos
Mailing State:	CA
Mailing Zip Code:	92078
Website:	Not reported
Email:	rhill@edcodisposal.com
Phone Number:	(760) 744-5615x167
Rural:	N
Operation Begin Date:	05/03/2004
Aluminium:	Y
Glass:	Y
Plastic:	Y
Bimetal:	Y
Hours of Operation:	Mon - Tue Closed; Wed - Sat 8:00 am - 4:00 pm; Sun Closed
Organization ID:	18929
Organization Name:	EDCO Disposal Corporation

SOLID WASTE SERVICES (Continued) **S104234424**

HMMD SAN DIEGO:

Name:	EDCO WASTE & RECYCLING SERVICE
Address:	224 S LAS POSAS RD
City,State,Zip:	SAN MARCOS, CA 92078
Permit Number:	Not reported
Business Type:	Not reported
EPA Id Number:	CAD054780051
APN:	Not reported
Last HMMD Inspection:	Not reported
Facility Telephone:	760-744-2700
Permit Status:	Permit Renewed
Permit Expiration:	Not reported
Date Last Updated:	05/25/2022
Facility Owner:	Not reported
Facility Mailing Address:	224 S LAS POSAS RD, SAN MARCOS, CA 92078-2421
Facility Mailing City:	Not reported
Facility Mailing State:	Not reported
Facility Mailing Zip:	Not reported
UST Owner:	N
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Y
Treat Haz Waste:	N
Generate Medical Waste:	Not reported

Inspection Violation:

Record ID:	DEH2002-HUPFP-110646
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-110646
Program Element:	Hazardous Waste Generator
Inspection Type:	Routine
Inspection Number:	5646965
Return To Compliance Date:	2017-02-17T00:00:00.000
Nov:	No
Violation Classification:	Minor
Underground Storage Tank Id:	Not reported
Container/Tank Id:	Not reported
Last Update:	2022-05-25T03:17:11.000
Inspection Date:	2017-01-25T15:59:00.000
Violation Code:	3130019 Failed to provide proper secondary containment and/or leak detection for hazardous waste tank system. 22 CCR 66265.193(a)

Record ID:	DEH2002-HUPFP-110646
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-110646
Program Element:	Hazardous Waste Generator
Inspection Type:	Routine
Inspection Number:	5646965
Return To Compliance Date:	2017-02-17T00:00:00.000
Nov:	No
Violation Classification:	Minor
Underground Storage Tank Id:	Not reported
Container/Tank Id:	Not reported
Last Update:	2022-05-25T03:17:11.000

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Inspection Date: 2017-01-25T15:59:00.000
Violation Code: 3110013 Failed to obtain and maintain a written assessment certified by an independent, qualified, registered professional engineer for the hazardous waste tank system. 22 CCR 66265.192(a), 66265.192(h), or 66265.191(a)

Record ID: DEH2002-HUPFP-110646
Permit Status: Permit Renewed
Active Permit: Y
Facility Id Number: 37-000-110646
Program Element: Hazardous Waste Generator
Inspection Type: Routine
Inspection Number: 4902383
Return To Compliance Date: 2014-02-11T00:00:00.000
Nov: No
Violation Classification: Class II
Underground Storage Tank Id: Not reported
Container/Tank Id: Not reported
Last Update: 2022-05-25T03:17:11.000
Inspection Date: 2014-01-30T14:23:00.000
Violation Code: 3030029 Failure of the owner or operator to conduct inspections and maintain inspection records at the facility of the following tank equipment: 22 CCR 15 66265.195(a).

Record ID: DEH2002-HUPFP-110646
Permit Status: Permit Renewed
Active Permit: Y
Facility Id Number: 37-000-110646
Program Element: Hazardous Waste Generator
Inspection Type: Routine
Inspection Number: 6801228
Return To Compliance Date: 2021-09-10T00:00:00.000
Nov: No
Violation Classification: Minor
Underground Storage Tank Id: Not reported
Container/Tank Id: Not reported
Last Update: 2022-05-25T03:17:11.000
Inspection Date: 2021-08-25T00:00:00.000
Violation Code: 3130006 Failed to accumulate hazardous waste in a lined or compatible container. 22 CCR 66265.172

Record ID: DEH2002-HUPFP-110646
Permit Status: Permit Renewed
Active Permit: Y
Facility Id Number: 37-000-110646
Program Element: Aboveground Petroleum Storage Act
Inspection Type: Routine
Inspection Number: 5646965
Return To Compliance Date: 2017-02-15T00:00:00.000
Nov: No
Violation Classification: Minor
Underground Storage Tank Id: Not reported
Container/Tank Id: Not reported
Last Update: 2022-05-25T03:17:11.000
Inspection Date: 2017-01-25T15:59:00.000
Violation Code: 4010010 Failed to make SPCC plan technical amendment(s) when the facility has had a change in: design, construction, operation, or

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maintenance which affects the facility's discharge potential. (40 CFR 112.5(a).) HSC 25270.4.5(a)

Record ID: DEH2002-HUPFP-110646
Permit Status: Permit Renewed
Active Permit: Y
Facility Id Number: 37-000-110646
Program Element: Hazardous Waste Generator
Inspection Type: Routine
Inspection Number: 4902383
Return To Compliance Date: 2014-02-11T00:00:00.000
Nov: No
Violation Classification: Minor
Underground Storage Tank Id: Not reported
Container/Tank Id: Not reported
Last Update: 2022-05-25T03:17:11.000
Inspection Date: 2014-01-30T14:23:00.000
Violation Code: HMD0138 Manifest signed by the Treatment, Storage, Disposal Facility (TSDF) not available for inspection. 66262.40(a).

Record ID: DEH2002-HUPFP-110646
Permit Status: Permit Renewed
Active Permit: Y
Facility Id Number: 37-000-110646
Program Element: Hazardous Waste Generator
Inspection Type: Routine
Inspection Number: 4902383
Return To Compliance Date: 2014-02-11T00:00:00.000
Nov: No
Violation Classification: Class II
Underground Storage Tank Id: Not reported
Container/Tank Id: Not reported
Last Update: 2022-05-25T03:17:11.000
Inspection Date: 2014-01-30T14:23:00.000
Violation Code: 3030018 Failure to properly close hazardous waste containers when not in active use.; 22 CCR 15 66265.173.

Record ID: DEH2002-HUPFP-110646
Permit Status: Permit Renewed
Active Permit: Y
Facility Id Number: 37-000-110646
Program Element: Hazardous Waste Generator
Inspection Type: Routine
Inspection Number: 5206915
Return To Compliance Date: 2016-01-26T00:00:00.000
Nov: No
Violation Classification: Minor
Underground Storage Tank Id: Not reported
Container/Tank Id: Not reported
Last Update: 2022-05-25T03:17:11.000
Inspection Date: 2016-01-26T14:42:00.000
Violation Code: 3030007 Failed to properly label/date hazardous waste container and/or tank. 22 CCR 66262.34(f)

Record ID: DEH2002-HUPFP-110646
Permit Status: Permit Renewed
Active Permit: Y

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Facility Id Number:	37-000-110646
Program Element:	Underground Storage Tank
Inspection Type:	Routine
Inspection Number:	5206915
Return To Compliance Date:	2016-01-26T00:00:00.000
Nov:	Yes
Violation Classification:	Class I
Underground Storage Tank Id:	20866
Container/Tank Id:	Not reported
Last Update:	2022-05-25T03:17:11.000
Inspection Date:	2016-01-26T14:42:00.000
Violation Code:	2030036 (RP) Failure of the overfill prevention system to meet one of the following requirements: 1. Alert the transfer operator when the tank is 90% full by restricting the flow into the tank or triggering an audible and visual alarm; or 2. Restrict delivery of flow to the tank at least 30m before the tank overfills, provided the restriction occurs when the tank is filled to no more than 95% of capacity; and activate an audible alarm at least 5m before the tank overfills; or 3. Provide positive shut-off of flow to the tank when the tank is filled to no more than 95% of capacity; or 4. Provide positive shut-off of flow to the tank so that none of the fittings located on the top of the tank are exposed to product due to overfilling. 23 CCR 2635(b)(2), 2665
Record ID:	DEH2002-HUPFP-110646
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-110646
Program Element:	Underground Storage Tank
Inspection Type:	Routine
Inspection Number:	4902383
Return To Compliance Date:	2014-02-11T00:00:00.000
Nov:	No
Violation Classification:	Not reported
Underground Storage Tank Id:	20866
Container/Tank Id:	Not reported
Last Update:	2022-05-25T03:17:11.000
Inspection Date:	2014-01-30T14:23:00.000
Violation Code:	2010007 Failure to submit and maintain complete and current Certification of Financial Responsibility or other mechanism of financial assurance. 23 CCR 16 2711; 23 CCR 18 2808.1, 2809-2809.2; HSC 6.7 25292.2; HSC 6.75 25299.30-25299.34
Record ID:	DEH2002-HUPFP-110646
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-110646
Program Element:	Hazardous Waste Generator
Inspection Type:	Routine
Inspection Number:	4902383
Return To Compliance Date:	2014-02-11T00:00:00.000
Nov:	No
Violation Classification:	Class II
Underground Storage Tank Id:	Not reported
Container/Tank Id:	Not reported
Last Update:	2022-05-25T03:17:11.000
Inspection Date:	2014-01-30T14:23:00.000

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Violation Code:	3130003 RCRA: Failure to properly label hazardous waste accumulation containers with the following requirements: "Hazardous Waste", name and address of the generator, physical and chemical characteristics of the Hazardous Waste, and starting accumulation date.; 22 CCR 12 66262.34(f).
Record ID:	DEH2002-HUPFP-110646
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-110646
Program Element:	Hazardous Waste Generator
Inspection Type:	Routine
Inspection Number:	6801228
Return To Compliance Date:	2021-09-23T00:00:00.000
Nov:	No
Violation Classification:	Minor
Underground Storage Tank Id:	Not reported
Container/Tank Id:	Not reported
Last Update:	2022-05-25T03:17:11.000
Inspection Date:	2021-08-25T00:00:00.000
Violation Code:	3030058 Failed to mark date on empty container larger than 5 gallons &/or properly manage it within one year. 22 CCR 66261.7
Record ID:	DEH2002-HUPFP-110646
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-110646
Program Element:	Hazardous Materials Release Response Plans
Inspection Type:	Routine
Inspection Number:	4902383
Return To Compliance Date:	2014-08-27T00:00:00.000
Nov:	Not reported
Violation Classification:	Not reported
Underground Storage Tank Id:	Not reported
Container/Tank Id:	Not reported
Last Update:	2022-05-25T03:17:11.000
Inspection Date:	2014-01-30T14:23:00.000
Violation Code:	1010006 Failure to update hazardous material inventory within 30 days when one of the following occurs: A 100 percent or more increase in the quantity of a previously disclosed material; Any handling of a previously undisclosed hazardous materials; A change of business address, business ownership, or business name; 19 CCR 4 2729.4(d); HSC 6.95 25505(b), 25510.
Record ID:	DEH2002-HUPFP-110646
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-110646
Program Element:	Hazardous Waste Generator
Inspection Type:	Routine
Inspection Number:	5811950
Return To Compliance Date:	2018-02-02T00:00:00.000
Nov:	No
Violation Classification:	Class II
Underground Storage Tank Id:	Not reported
Container/Tank Id:	Not reported
Last Update:	2022-05-25T03:17:11.000

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Inspection Date:	2018-01-23T13:56:00.000
Violation Code:	HMD0152 +e-aFailed to report &/or update the required inventory information for hazardous waste(s) generated at the facility in CERS. +e-aSDCC 68.904(a)(2)
Record ID:	DEH2002-HUPFP-110646
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-110646
Program Element:	Aboveground Petroleum Storage Act
Inspection Type:	Routine
Inspection Number:	5646965
Return To Compliance Date:	2017-02-13T00:00:00.000
Nov:	No
Violation Classification:	Minor
Underground Storage Tank Id:	Not reported
Container/Tank Id:	Not reported
Last Update:	2022-05-25T03:17:11.000
Inspection Date:	2017-01-25T15:59:00.000
Violation Code:	4010027 Failure to restrain drainage from diked storage areas by valves to prevent discharge. (40 CFR 112.8(b)(1).) HSC 25270.4.5(a)
Record ID:	DEH2002-HUPFP-110646
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-110646
Program Element:	Hazardous Materials Release Response Plans
Inspection Type:	Routine
Inspection Number:	5811950
Return To Compliance Date:	2018-02-02T00:00:00.000
Nov:	No
Violation Classification:	Class II
Underground Storage Tank Id:	Not reported
Container/Tank Id:	Not reported
Last Update:	2022-05-25T03:17:11.000
Inspection Date:	2018-01-23T13:56:00.000
Violation Code:	1010006 Failed to update HMBP in CERS within 30 days of a substantial change to any portion of the HMBP, including inventory changes or facility information. HSC 25508.1(a-f); 19 CCR 2654(d); SDCC 68.904(c)(6)
Record ID:	DEH2002-HUPFP-110646
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-110646
Program Element:	Hazardous Waste Generator
Inspection Type:	Routine
Inspection Number:	6801228
Return To Compliance Date:	2021-09-23T00:00:00.000
Nov:	No
Violation Classification:	Minor
Underground Storage Tank Id:	Not reported
Container/Tank Id:	Not reported
Last Update:	2022-05-25T03:17:11.000
Inspection Date:	2021-08-25T00:00:00.000
Violation Code:	3130007 Failed to keep a hazardous waste container or portable tank closed. 22 CCR 66265.173(a)

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Record ID:	DEH2002-HUPFP-110646
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-110646
Program Element:	Underground Storage Tank
Inspection Type:	Routine
Inspection Number:	5158582
Return To Compliance Date:	2015-01-30T00:00:00.000
Nov:	No
Violation Classification:	Not reported
Underground Storage Tank Id:	00
Container/Tank Id:	Not reported
Last Update:	2022-05-25T03:17:11.000
Inspection Date:	2015-01-30T00:00:00.000
Violation Code:	2030003 Failure of the leak detection equipment to have an audible and visual alarm as required. 23 CCR 16 2632, 2634, 2636, 2666

Record ID:	DEH2002-HUPFP-110646
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-110646
Program Element:	Hazardous Waste Generator
Inspection Type:	Routine
Inspection Number:	4902383
Return To Compliance Date:	2014-02-11T00:00:00.000
Nov:	No
Violation Classification:	Minor
Underground Storage Tank Id:	Not reported
Container/Tank Id:	Not reported
Last Update:	2022-05-25T03:17:11.000
Inspection Date:	2014-01-30T14:23:00.000
Violation Code:	HMD0235 Did not accumulate waste in container or tank. 66262.34(a)(1).

Record ID:	DEH2002-HUPFP-110646
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-110646
Program Element:	Underground Storage Tank
Inspection Type:	Routine
Inspection Number:	5206915
Return To Compliance Date:	Not reported
Nov:	Not reported
Violation Classification:	Not reported
Underground Storage Tank Id:	Not reported
Container/Tank Id:	Not reported
Last Update:	2022-05-25T03:17:11.000
Inspection Date:	2016-01-26T14:42:00.000
Violation Code:	2030012 Failure to comply with one or more of the following: provide training to facility employee(s) responsible for proper operation and maintenance every 12 months and/or train new employee(s) who are responsible for proper operation and maintenance within 30-days of hire and/or to have at least one employee present during operating hours that has been trained in the proper operation and maintenance of the UST system. 23 CCR 16 2715(c)(6), 2715(f)

Record ID:	DEH2002-HUPFP-110646
Permit Status:	Permit Renewed

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Active Permit:	Y
Facility Id Number:	37-000-110646
Program Element:	Hazardous Waste Generator
Inspection Type:	Routine
Inspection Number:	6801228
Return To Compliance Date:	2021-09-23T00:00:00.000
Nov:	No
Violation Classification:	Minor
Underground Storage Tank Id:	Not reported
Container/Tank Id:	Not reported
Last Update:	2022-05-25T03:17:11.000
Inspection Date:	2021-08-25T00:00:00.000
Violation Code:	3130003 Failed to properly label/date hazardous waste container or portable tank. 22 CCR 66262.34(f), 66262.34(a)(2), 66262.34(a)(3)

UST DTL:

Record ID:	DEH2002-HUPFP-110646
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-110646
Facility Type (Ust Facility):	Other
Tank Owner Name:	EDCO WASTE & RECYCLING SVC, INC
Tankid:	20866
Tank Status:	Removed
Date Ust Permanently Closed:	11/30/2018
Tank Use:	Motor Vehicle Fueling
Piping System Type:	Pressure
Last Updated:	2022-05-25T03:17:15.000
Tank Capacityin Gallons:	12000
Tank Contents:	Diesel
Type Of Tank:	Single Wall

Waste and Materials:

Record ID:	DEH2002-HUPFP-110646
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2017-HCHEM-0133228
Trade Secret:	N
Hazardous Material Type:	Pure
Last Updated:	2017-12-20T02:31:18.000
Chemical Name:	Oxygen
Common Name:	Oxygen
Case Number:	7782-44-7

Record ID:	DEH2002-HUPFP-110646
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2018-HCHEM-0168537
Trade Secret:	N
Hazardous Material Type:	Pure
Last Updated:	2018-04-09T16:58:22.000
Chemical Name:	Diesel Fuel
Common Name:	Diesel Fuel
Case Number:	68476-34-6

Record ID:	DEH2002-HUPFP-110646

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Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0168538
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2018-04-09T16:58:22.000
Chemical Name: Acetylene Gas
Common Name: Acetylene Gas
Case Number: Not reported

Record ID: DEH2002-HUPFP-110646
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0168539
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2018-04-09T16:58:22.000
Chemical Name: Engine Oil, Hydraulic Fluid, Gear Lube, Transmission Fluid
Common Name: Engine Oil, Hydraulic Fluid, Gear Lube, Transmission Fluid
Case Number: 68649-42-3

Record ID: DEH2002-HUPFP-110646
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0168540
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2018-04-09T16:58:22.000
Chemical Name: Ethylene Glycol
Common Name: Antifreeze
Case Number: 107-21-1

Record ID: DEH2002-HUPFP-110646
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0168541
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2018-04-09T16:58:22.000
Chemical Name: Water Reducible Paint
Common Name: Water Reducible Paint
Case Number: Not reported

Record ID: DEH2002-HUPFP-110646
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0168542
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2018-04-09T16:58:22.000
Chemical Name: Zymetech Disinfectant
Common Name: Car Wash Soap
Case Number: Not reported

Record ID: DEH2002-HUPFP-110646
Permit Status: Permit Renewed
Active Permit: Y

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Child Record Id: DEH2018-HCHEM-0168543
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2018-04-09T16:58:22.000
Chemical Name: Methane Gas
Common Name: Compressed Natural Gas
Case Number: Not reported

Record ID: DEH2002-HUPFP-110646
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0168544
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2018-04-09T16:58:22.000
Chemical Name: Carbon Dioxide
Common Name: Carbon Dioxide
Case Number: 124-38-9

Record ID: DEH2002-HUPFP-110646
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0168545
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2018-04-09T16:58:22.000
Chemical Name: Propane
Common Name: Liquefied Petroleum Gas (lpg)
Case Number: 74-98-6

Record ID: DEH2002-HUPFP-110646
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0168546
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2018-04-09T16:58:22.000
Chemical Name: Oxygen
Common Name: Oxygen
Case Number: 7782-44-7

Record ID: DEH2002-HUPFP-110646
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HWAST-0142777
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2018-04-09T16:58:22.000
Chemical Name: Waste 221 Waste Oil & Mixed Oil
Common Name: Waste 221 Waste Oil & Mixed Oil
Case Number: Not reported

Record ID: DEH2002-HUPFP-110646
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HWAST-0142778
Trade Secret: N

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Hazardous Material Type: Not reported
Last Updated: 2018-04-09T16:58:22.000
Chemical Name: Waste 352 Organic Solids
Common Name: Contaminated Absorbent
Case Number: Not reported

Record ID: DEH2002-HUPFP-110646
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HWAST-0142779
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2018-04-09T16:58:22.000
Chemical Name: Waste 352 Organic Solids (Other)
Common Name: Waste Paint Booth Filters
Case Number: Not reported

Record ID: DEH2002-HUPFP-110646
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HWAST-0142780
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2018-04-09T16:58:22.000
Chemical Name: WASTE 342 ORGANIC LIQUIDSW/METALS
Common Name: Antifreeze Waste
Case Number: Not reported

Record ID: DEH2002-HUPFP-110646
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HWAST-0142782
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2018-04-09T16:58:22.000
Chemical Name: Waste 222 Waste Oil/Water Separator Sludge
Common Name: Waste 222 Waste Oil/Water Separator Sludge
Case Number: Not reported

Record ID: DEH2002-HUPFP-110646
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HWAST-0142783
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2018-04-09T16:58:22.000
Chemical Name: Alkaline Liquid
Common Name: Cleaner De-Greaser Waste
Case Number: Not reported

Record ID: DEH2002-HUPFP-110646
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HWAST-0142784
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2018-04-09T16:58:22.000

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Chemical Name: Waste Latex Paint
Common Name: Waste Latex Paint
Case Number: Not reported

Record ID: DEH2002-HUPFP-110646
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HWAST-0142785
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2018-04-09T16:58:22.000
Chemical Name: Misc Aerosols
Common Name: Misc Aerosols
Case Number: Not reported

Record ID: DEH2002-HUPFP-110646
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HWAST-0142786
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2018-04-09T16:58:22.000
Chemical Name: Safety Kleen Parts Washer
Common Name: Parts Washer
Case Number: Not reported

Record ID: DEH2002-HUPFP-110646
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0193402
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2018-10-24T19:54:25.000
Chemical Name: Diesel Fuel
Common Name: Diesel Fuel
Case Number: 68476-34-6

Record ID: DEH2002-HUPFP-110646
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0193403
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2018-10-24T19:54:25.000
Chemical Name: Acetylene Gas
Common Name: Acetylene Gas
Case Number: Not reported

Record ID: DEH2002-HUPFP-110646
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0193404
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2018-10-24T19:54:25.000
Chemical Name: Engine Oil, Hydraulic Fluid, Gear Lube, Transmission Fluid
Common Name: Engine Oil, Hydraulic Fluid, Gear Lube, Transmission Fluid

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Case Number: 68649-42-3

Record ID: DEH2002-HUPFP-110646
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0193405
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2018-10-24T19:54:25.000
Chemical Name: Ethylene Glycol
Common Name: Antifreeze
Case Number: 107-21-1

Record ID: DEH2002-HUPFP-110646
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0193406
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2018-10-24T19:54:25.000
Chemical Name: Water Reducible Paint
Common Name: Water Reducible Paint
Case Number: Not reported

Record ID: DEH2002-HUPFP-110646
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0193407
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2018-10-24T19:54:25.000
Chemical Name: Zymetech Disinfectant
Common Name: Car Wash Soap
Case Number: Not reported

Record ID: DEH2002-HUPFP-110646
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0193408
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2018-10-24T19:54:25.000
Chemical Name: Methane Gas
Common Name: Compressed Natural Gas
Case Number: Not reported

Record ID: DEH2002-HUPFP-110646
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0193409
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2018-10-24T19:54:25.000
Chemical Name: Carbon Dioxide
Common Name: Carbon Dioxide
Case Number: 124-38-9

SOLID WASTE SERVICES (Continued) **S104234424**

Record ID:	DEH2002-HUPFP-110646
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2018-HCHEM-0193410
Trade Secret:	N
Hazardous Material Type:	Pure
Last Updated:	2018-10-24T19:54:25.000
Chemical Name:	Propane
Common Name:	Liquefied Petroleum Gas (lpg)
Case Number:	74-98-6

Record ID:	DEH2002-HUPFP-110646
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2018-HCHEM-0193411
Trade Secret:	N
Hazardous Material Type:	Pure
Last Updated:	2018-10-24T19:54:25.000
Chemical Name:	Oxygen
Common Name:	Oxygen
Case Number:	7782-44-7

Record ID:	DEH2002-HUPFP-110646
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2018-HWAST-0167151
Trade Secret:	N
Hazardous Material Type:	Not reported
Last Updated:	2018-10-24T19:54:25.000
Chemical Name:	Waste 221 Waste Oil & Mixed Oil
Common Name:	Waste 221 Waste Oil & Mixed Oil
Case Number:	Not reported

Record ID:	DEH2002-HUPFP-110646
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2018-HWAST-0167152
Trade Secret:	N
Hazardous Material Type:	Not reported
Last Updated:	2018-10-24T19:54:25.000
Chemical Name:	Waste 352 Organic Solids
Common Name:	Contaminated Absorbent
Case Number:	Not reported

Record ID:	DEH2002-HUPFP-110646
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2018-HWAST-0167153
Trade Secret:	N
Hazardous Material Type:	Not reported
Last Updated:	2018-10-24T19:54:25.000
Chemical Name:	Waste 352 Organic Solids (Other)
Common Name:	Waste Paint Booth Filters
Case Number:	Not reported

Record ID:	DEH2002-HUPFP-110646
Permit Status:	Permit Renewed

SOLID WASTE SERVICES (Continued) **S104234424**

Active Permit: Y
Child Record Id: DEH2018-HWAST-0167154
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2018-10-24T19:54:25.000
Chemical Name: WASTE 342 ORGANIC LIQUIDSW/METALS
Common Name: Antifreeze Waste
Case Number: Not reported

Record ID: DEH2002-HUPFP-110646
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HWAST-0167155
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2018-10-24T19:54:25.000
Chemical Name: Universal Waste
Common Name: Universal Waste
Case Number: Not reported

Record ID: DEH2002-HUPFP-110646
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HWAST-0167156
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2018-10-24T19:54:25.000
Chemical Name: Waste 222 Waste Oil/Water Separator Sludge
Common Name: Waste 222 Waste Oil/Water Separator Sludge
Case Number: Not reported

Record ID: DEH2002-HUPFP-110646
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HWAST-0167157
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2018-10-24T19:54:25.000
Chemical Name: Alkaline Liquid
Common Name: Cleaner De-Greaser Waste
Case Number: Not reported

Record ID: DEH2002-HUPFP-110646
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HWAST-0167158
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2018-10-24T19:54:25.000
Chemical Name: Waste Latex Paint
Common Name: Waste Latex Paint
Case Number: Not reported

Record ID: DEH2002-HUPFP-110646
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HWAST-0167159

SOLID WASTE SERVICES (Continued) **S104234424**

Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2018-10-24T19:54:25.000
Chemical Name: Misc Aerosols
Common Name: Misc Aerosols
Case Number: Not reported

Record ID: DEH2002-HUPFP-110646
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HWAST-0167160
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2018-10-24T19:54:25.000
Chemical Name: Safety Kleen Parts Washer
Common Name: Parts Washer
Case Number: Not reported

Record ID: DEH2002-HUPFP-110646
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2022-HCHEM-0330680
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2022-05-25T03:17:14.000
Chemical Name: Acetylene Gas
Common Name: Acetylene Gas
Case Number: 74-86-2

Record ID: DEH2002-HUPFP-110646
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2022-HCHEM-0330681
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2022-05-25T03:17:14.000
Chemical Name: Engine Oil, Hydraulic Fluid, Gear Lube, Transmission Fluid
Common Name: Engine Oil, Hydraulic Fluid, Gear Lube, Transmission Fluid
Case Number: 68937-40-6

Record ID: DEH2002-HUPFP-110646
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2022-HCHEM-0330682
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2022-05-25T03:17:14.000
Chemical Name: Ethylene Glycol
Common Name: Antifreeze
Case Number: 107-21-1

Record ID: DEH2002-HUPFP-110646
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2022-HCHEM-0330683
Trade Secret: N
Hazardous Material Type: Pure

SOLID WASTE SERVICES (Continued) **S104234424**

Last Updated: 2022-05-25T03:17:14.000
Chemical Name: Water Reducible Paint
Common Name: Water Reducible Paint
Case Number: Not reported

Record ID: DEH2002-HUPFP-110646
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2022-HCHEM-0330684
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2022-05-25T03:17:14.000
Chemical Name: Zymetech Disinfectant
Common Name: Car Wash Soap
Case Number: Not reported

Record ID: DEH2002-HUPFP-110646
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2022-HCHEM-0330685
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2022-05-25T03:17:14.000
Chemical Name: Methane Gas
Common Name: Compressed Natural Gas
Case Number: Not reported

Record ID: DEH2002-HUPFP-110646
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2022-HCHEM-0330686
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2022-05-25T03:17:14.000
Chemical Name: Oxygen
Common Name: Oxygen
Case Number: 7782-44-7

Record ID: DEH2002-HUPFP-110646
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2022-HCHEM-0330687
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2022-05-25T03:17:14.000
Chemical Name: GREASE
Common Name: GREASE
Case Number: 64742-54-2

Record ID: DEH2002-HUPFP-110646
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2022-HCHEM-0330688
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2022-05-25T03:17:14.000
Chemical Name: Propane

SOLID WASTE SERVICES (Continued) **S104234424**

Common Name: Liquefied Petroleum Gas (lpg)
Case Number: 74-98-6

Record ID: DEH2002-HUPFP-110646
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2022-HCHEM-0330689
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2022-05-25T03:17:14.000
Chemical Name: Carbon Dioxide
Common Name: Carbon Dioxide
Case Number: 124-38-9

Record ID: DEH2002-HUPFP-110646
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2022-HCHEM-0330690
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2022-05-25T03:17:14.000
Chemical Name: Argon, isotope of mass 37
Common Name: Argon-37
Case Number: 13994-71-3

Record ID: DEH2002-HUPFP-110646
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2022-HWAST-0297335
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2022-05-25T03:17:15.000
Chemical Name: Waste 221 Waste Oil & Mixed Oil
Common Name: Waste 221 Waste Oil & Mixed Oil
Case Number: Not reported

Record ID: DEH2002-HUPFP-110646
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2022-HWAST-0297336
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2022-05-25T03:17:15.000
Chemical Name: Waste 352 Organic Solids
Common Name: Contaminated Absorbent & other oily solids
Case Number: Not reported

Record ID: DEH2002-HUPFP-110646
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2022-HWAST-0297337
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2022-05-25T03:17:15.000
Chemical Name: Waste 352 Organic Solids (Other)
Common Name: Waste Paint Booth Filters
Case Number: Not reported

SOLID WASTE SERVICES (Continued) **S104234424**

Record ID: DEH2002-HUPFP-110646
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2022-HWAST-0297338
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2022-05-25T03:17:15.000
Chemical Name: WASTE 342 ORGANIC LIQUIDSW/METALS
Common Name: Antifreeze Waste
Case Number: Not reported

Record ID: DEH2002-HUPFP-110646
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2022-HWAST-0297339
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2022-05-25T03:17:15.000
Chemical Name: Universal Waste
Common Name: Universal Waste
Case Number: Not reported

Record ID: DEH2002-HUPFP-110646
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2022-HWAST-0297340
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2022-05-25T03:17:15.000
Chemical Name: Waste 222 Waste Oil/Water Separator Sludge
Common Name: Waste 222 Waste Oil/Water Separator Sludge
Case Number: Not reported

Record ID: DEH2002-HUPFP-110646
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2022-HWAST-0297341
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2022-05-25T03:17:15.000
Chemical Name: Alkaline Liquid
Common Name: Cleaner De-Greaser Waste
Case Number: Not reported

Record ID: DEH2002-HUPFP-110646
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2022-HWAST-0297342
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2022-05-25T03:17:15.000
Chemical Name: Waste Latex Paint
Common Name: Waste Latex Paint
Case Number: Not reported

Record ID: DEH2002-HUPFP-110646
Permit Status: Permit Renewed

SOLID WASTE SERVICES (Continued) **S104234424**

Active Permit: Y
Child Record Id: DEH2022-HWAST-0297343
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2022-05-25T03:17:15.000
Chemical Name: Misc Aerosols
Common Name: Misc Aerosols
Case Number: Not reported

Record ID: DEH2002-HUPFP-110646
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2022-HWAST-0297344
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2022-05-25T03:17:15.000
Chemical Name: Safety Kleen Parts Washer
Common Name: Parts Washer
Case Number: Not reported

Record ID: DEH2002-HUPFP-110646
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HWAST-0111473
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2017-12-20T02:31:18.000
Chemical Name: Waste 352 Organic Solids
Common Name: Contaminated Absorbent
Case Number: Not reported

Record ID: DEH2002-HUPFP-110646
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HWAST-0111474
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2017-12-20T02:31:18.000
Chemical Name: Waste 352 Organic Solids (Other)
Common Name: Waste Paint Booth Filters
Case Number: Not reported

Record ID: DEH2002-HUPFP-110646
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HWAST-0111475
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2017-12-20T02:31:18.000
Chemical Name: WASTE 342 ORGANIC LIQUIDSW/METALS
Common Name: Antifreeze Waste
Case Number: Not reported

Record ID: DEH2002-HUPFP-110646
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HWAST-0111476

SOLID WASTE SERVICES (Continued) **S104234424**

Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2017-12-20T02:31:18.000
Chemical Name: Universal Waste
Common Name: Universal Waste
Case Number: Not reported

Record ID: DEH2002-HUPFP-110646
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HWAST-0111477
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2017-12-20T02:31:18.000
Chemical Name: Waste 222 Waste Oil/Water Separator Sludge
Common Name: Waste 222 Waste Oil/Water Separator Sludge
Case Number: Not reported

Record ID: DEH2002-HUPFP-110646
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HWAST-0111478
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2017-12-20T02:31:18.000
Chemical Name: Alkaline Liquid
Common Name: Cleaner De-Greaser Waste
Case Number: Not reported

Record ID: DEH2002-HUPFP-110646
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HWAST-0111479
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2017-12-20T02:31:18.000
Chemical Name: Waste Latex Paint
Common Name: Waste Latex Paint
Case Number: Not reported

Record ID: DEH2002-HUPFP-110646
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HCHEM-0258470
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2021-12-21T02:32:26.000
Chemical Name: Ethylene Glycol
Common Name: Antifreeze
Case Number: 107-21-1

Record ID: DEH2002-HUPFP-110646
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HCHEM-0258471
Trade Secret: N
Hazardous Material Type: Pure

SOLID WASTE SERVICES (Continued) **S104234424**

Last Updated: 2021-12-21T02:32:26.000
Chemical Name: Water Reducible Paint
Common Name: Water Reducible Paint
Case Number: Not reported

Record ID: DEH2002-HUPFP-110646
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HCHEM-0258472
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2021-12-21T02:32:26.000
Chemical Name: Zymetech Disinfectant
Common Name: Car Wash Soap
Case Number: Not reported

Record ID: DEH2002-HUPFP-110646
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HCHEM-0258475
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2021-12-21T02:32:26.000
Chemical Name: Propane
Common Name: Liquefied Petroleum Gas (lpg)
Case Number: 74-98-6

Record ID: DEH2002-HUPFP-110646
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HCHEM-0258476
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2021-12-21T02:32:26.000
Chemical Name: Oxygen
Common Name: Oxygen
Case Number: 7782-44-7

Record ID: DEH2002-HUPFP-110646
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HWAST-0229394
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2021-12-21T02:32:26.000
Chemical Name: Waste 352 Organic Solids (Other)
Common Name: Waste Paint Booth Filters
Case Number: Not reported

Record ID: DEH2002-HUPFP-110646
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HCHEM-0133219
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2017-12-20T02:31:18.000
Chemical Name: Diesel Fuel

SOLID WASTE SERVICES (Continued) **S104234424**

Common Name: Diesel Fuel
Case Number: 68476-34-6

Record ID: DEH2002-HUPFP-110646
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HCHEM-0133220
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2017-12-20T02:31:18.000
Chemical Name: Acetylene Gas
Common Name: Acetylene Gas
Case Number: Not reported

Record ID: DEH2002-HUPFP-110646
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HCHEM-0133221
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2017-12-20T02:31:18.000
Chemical Name: Engine Oil, Hydraulic Fluid, Gear Lube, Transmission Fluid
Common Name: Engine Oil, Hydraulic Fluid, Gear Lube, Transmission Fluid
Case Number: 68649-42-3

Record ID: DEH2002-HUPFP-110646
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HCHEM-0133222
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2017-12-20T02:31:18.000
Chemical Name: Ethylene Glycol
Common Name: Antifreeze
Case Number: 107-21-1

Record ID: DEH2002-HUPFP-110646
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HCHEM-0133223
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2017-12-20T02:31:18.000
Chemical Name: Water Reducible Paint
Common Name: Water Reducible Paint
Case Number: Not reported

Record ID: DEH2002-HUPFP-110646
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HCHEM-0133224
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2017-12-20T02:31:18.000
Chemical Name: Zymetech Disinfectant
Common Name: Car Wash Soap
Case Number: Not reported

SOLID WASTE SERVICES (Continued) **S104234424**

Record ID: DEH2002-HUPFP-110646
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HCHEM-0133225
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2017-12-20T02:31:18.000
Chemical Name: Methane Gas
Common Name: Compressed Natural Gas
Case Number: Not reported

Record ID: DEH2002-HUPFP-110646
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HCHEM-0133226
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2017-12-20T02:31:18.000
Chemical Name: Carbon Dioxide
Common Name: Carbon Dioxide
Case Number: 124-38-9

Record ID: DEH2002-HUPFP-110646
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HCHEM-0133227
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2017-12-20T02:31:18.000
Chemical Name: Propane
Common Name: Liquefied Petroleum Gas (lpg)
Case Number: 74-98-6

Record ID: DEH2002-HUPFP-110646
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HWAST-0111472
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2017-12-20T02:31:18.000
Chemical Name: Waste 221 Waste Oil & Mixed Oil
Common Name: Waste 221 Waste Oil & Mixed Oil
Case Number: Not reported

Record ID: DEH2002-HUPFP-110646
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2019-HWAST-0183593
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2019-12-13T02:34:38.000
Chemical Name: Waste Latex Paint
Common Name: Waste Latex Paint
Case Number: Not reported

Record ID: DEH2002-HUPFP-110646
Permit Status: Permit Renewed

SOLID WASTE SERVICES (Continued) **S104234424**

Active Permit: Y
Child Record Id: DEH2019-HCHEM-0205659
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2019-01-26T00:40:01.000
Chemical Name: Diesel Fuel
Common Name: Diesel Fuel
Case Number: 68476-34-6

Record ID: DEH2002-HUPFP-110646
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2019-HCHEM-0205660
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2019-01-26T00:40:01.000
Chemical Name: Acetylene Gas
Common Name: Acetylene Gas
Case Number: Not reported

Record ID: DEH2002-HUPFP-110646
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2019-HCHEM-0205661
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2019-01-26T00:40:01.000
Chemical Name: Engine Oil, Hydraulic Fluid, Gear Lube, Transmission Fluid
Common Name: Engine Oil, Hydraulic Fluid, Gear Lube, Transmission Fluid
Case Number: 68649-42-3

Record ID: DEH2002-HUPFP-110646
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2019-HCHEM-0205662
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2019-01-26T00:40:01.000
Chemical Name: Ethylene Glycol
Common Name: Antifreeze
Case Number: 107-21-1

Record ID: DEH2002-HUPFP-110646
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2019-HCHEM-0205663
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2019-01-26T00:40:01.000
Chemical Name: Water Reducible Paint
Common Name: Water Reducible Paint
Case Number: Not reported

Record ID: DEH2002-HUPFP-110646
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2019-HCHEM-0205664

SOLID WASTE SERVICES (Continued) **S104234424**

Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2019-01-26T00:40:01.000
Chemical Name: Zymetech Disinfectant
Common Name: Car Wash Soap
Case Number: Not reported

Record ID: DEH2002-HUPFP-110646
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2019-HCHEM-0205665
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2019-01-26T00:40:01.000
Chemical Name: Methane Gas
Common Name: Compressed Natural Gas
Case Number: Not reported

Record ID: DEH2002-HUPFP-110646
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2019-HCHEM-0205666
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2019-01-26T00:40:01.000
Chemical Name: Carbon Dioxide
Common Name: Carbon Dioxide
Case Number: 124-38-9

Record ID: DEH2002-HUPFP-110646
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2019-HCHEM-0205667
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2019-01-26T00:40:01.000
Chemical Name: Propane
Common Name: Liquefied Petroleum Gas (lpg)
Case Number: 74-98-6

Record ID: DEH2002-HUPFP-110646
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2019-HCHEM-0205668
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2019-01-26T00:40:01.000
Chemical Name: Oxygen
Common Name: Oxygen
Case Number: 7782-44-7

Record ID: DEH2002-HUPFP-110646
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2019-HWAST-0177630
Trade Secret: N
Hazardous Material Type: Not reported

SOLID WASTE SERVICES (Continued) **S104234424**

Last Updated: 2019-01-26T00:40:03.000
Chemical Name: Waste 221 Waste Oil & Mixed Oil
Common Name: Waste 221 Waste Oil & Mixed Oil
Case Number: Not reported

Record ID: DEH2002-HUPFP-110646
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2019-HWAST-0177631
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2019-01-26T00:40:03.000
Chemical Name: Waste 352 Organic Solids
Common Name: Contaminated Absorbent
Case Number: Not reported

Record ID: DEH2002-HUPFP-110646
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2019-HWAST-0177632
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2019-01-26T00:40:03.000
Chemical Name: Waste 352 Organic Solids (Other)
Common Name: Waste Paint Booth Filters
Case Number: Not reported

Record ID: DEH2002-HUPFP-110646
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2019-HWAST-0177633
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2019-01-26T00:40:03.000
Chemical Name: WASTE 342 ORGANIC LIQUIDSW/METALS
Common Name: Antifreeze Waste
Case Number: Not reported

Record ID: DEH2002-HUPFP-110646
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2019-HWAST-0177634
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2019-01-26T00:40:03.000
Chemical Name: Universal Waste
Common Name: Universal Waste
Case Number: Not reported

Record ID: DEH2002-HUPFP-110646
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2019-HWAST-0177635
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2019-01-26T00:40:03.000
Chemical Name: Waste 222 Waste Oil/Water Separator Sludge

SOLID WASTE SERVICES (Continued) **S104234424**

Common Name: Waste 222 Waste Oil/Water Separator Sludge
Case Number: Not reported

Record ID: DEH2002-HUPFP-110646
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2019-HWAST-0177636
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2019-01-26T00:40:03.000
Chemical Name: Alkaline Liquid
Common Name: Cleaner De-Greaser Waste
Case Number: Not reported

Record ID: DEH2002-HUPFP-110646
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2019-HWAST-0177637
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2019-01-26T00:40:03.000
Chemical Name: Waste Latex Paint
Common Name: Waste Latex Paint
Case Number: Not reported

Record ID: DEH2002-HUPFP-110646
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2019-HWAST-0177638
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2019-01-26T00:40:03.000
Chemical Name: Misc Aerosols
Common Name: Misc Aerosols
Case Number: Not reported

Record ID: DEH2002-HUPFP-110646
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2019-HWAST-0177639
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2019-01-26T00:40:03.000
Chemical Name: Safety Kleen Parts Washer
Common Name: Parts Washer
Case Number: Not reported

Record ID: DEH2002-HUPFP-110646
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HCHEM-0258473
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2021-12-21T02:32:26.000
Chemical Name: Methane Gas
Common Name: Compressed Natural Gas
Case Number: Not reported

SOLID WASTE SERVICES (Continued) **S104234424**

Record ID: DEH2002-HUPFP-110646
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HCHEM-0258474
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2021-12-21T02:32:26.000
Chemical Name: Carbon Dioxide
Common Name: Carbon Dioxide
Case Number: 124-38-9

Record ID: DEH2002-HUPFP-110646
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HWAST-0229392
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2021-12-21T02:32:26.000
Chemical Name: Waste 221 Waste Oil & Mixed Oil
Common Name: Waste 221 Waste Oil & Mixed Oil
Case Number: Not reported

Record ID: DEH2002-HUPFP-110646
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HWAST-0229393
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2021-12-21T02:32:26.000
Chemical Name: Waste 352 Organic Solids
Common Name: Contaminated Absorbent
Case Number: Not reported

Record ID: DEH2002-HUPFP-110646
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HWAST-0229395
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2021-12-21T02:32:26.000
Chemical Name: WASTE 342 ORGANIC LIQUIDSW/METALS
Common Name: Antifreeze Waste
Case Number: Not reported

Record ID: DEH2002-HUPFP-110646
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HWAST-0229397
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2021-12-21T02:32:26.000
Chemical Name: Waste 222 Waste Oil/Water Separator Sludge
Common Name: Waste 222 Waste Oil/Water Separator Sludge
Case Number: Not reported

Record ID: DEH2002-HUPFP-110646
Permit Status: Permit Renewed

SOLID WASTE SERVICES (Continued) **S104234424**

Active Permit: Y
Child Record Id: DEH2020-HWAST-0229398
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2021-12-21T02:32:26.000
Chemical Name: Alkaline Liquid
Common Name: Cleaner De-Greaser Waste
Case Number: Not reported

Record ID: DEH2002-HUPFP-110646
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HWAST-0229399
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2021-12-21T02:32:26.000
Chemical Name: Waste Latex Paint
Common Name: Waste Latex Paint
Case Number: Not reported

Record ID: DEH2002-HUPFP-110646
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HWAST-0229400
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2021-12-21T02:32:26.000
Chemical Name: Misc Aerosols
Common Name: Misc Aerosols
Case Number: Not reported

Record ID: DEH2002-HUPFP-110646
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HWAST-0229401
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2021-12-21T02:32:26.000
Chemical Name: Safety Kleen Parts Washer
Common Name: Parts Washer
Case Number: Not reported

Record ID: DEH2002-HUPFP-110646
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HWAST-0142781
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2018-04-09T16:58:22.000
Chemical Name: Universal Waste
Common Name: Universal Waste
Case Number: Not reported

Record ID: DEH2002-HUPFP-110646
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2019-HCHEM-0211365

SOLID WASTE SERVICES (Continued) **S104234424**

Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2019-12-13T02:34:38.000
Chemical Name: Acetylene Gas
Common Name: Acetylene Gas
Case Number: Not reported

Record ID: DEH2002-HUPFP-110646
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2019-HWAST-0183594
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2019-12-13T02:34:38.000
Chemical Name: Misc Aerosols
Common Name: Misc Aerosols
Case Number: Not reported

Record ID: DEH2002-HUPFP-110646
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2019-HCHEM-0211366
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2019-12-13T02:34:38.000
Chemical Name: Engine Oil, Hydraulic Fluid, Gear Lube, Transmission Fluid
Common Name: Engine Oil, Hydraulic Fluid, Gear Lube, Transmission Fluid
Case Number: 68649-42-3

Record ID: DEH2002-HUPFP-110646
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2019-HCHEM-0211367
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2019-12-13T02:34:38.000
Chemical Name: Ethylene Glycol
Common Name: Antifreeze
Case Number: 107-21-1

Record ID: DEH2002-HUPFP-110646
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2019-HCHEM-0211368
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2019-12-13T02:34:38.000
Chemical Name: Water Reducible Paint
Common Name: Water Reducible Paint
Case Number: Not reported

Record ID: DEH2002-HUPFP-110646
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2019-HCHEM-0211369
Trade Secret: N
Hazardous Material Type: Mixture

SOLID WASTE SERVICES (Continued) **S104234424**

Last Updated: 2019-12-13T02:34:38.000
Chemical Name: Zymetech Disinfectant
Common Name: Car Wash Soap
Case Number: Not reported

Record ID: DEH2002-HUPFP-110646
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2019-HCHEM-0211370
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2019-12-13T02:34:38.000
Chemical Name: Methane Gas
Common Name: Compressed Natural Gas
Case Number: Not reported

Record ID: DEH2002-HUPFP-110646
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2019-HCHEM-0211371
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2019-12-13T02:34:38.000
Chemical Name: Carbon Dioxide
Common Name: Carbon Dioxide
Case Number: 124-38-9

Record ID: DEH2002-HUPFP-110646
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2019-HCHEM-0211372
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2019-12-13T02:34:38.000
Chemical Name: Propane
Common Name: Liquefied Petroleum Gas (lpg)
Case Number: 74-98-6

Record ID: DEH2002-HUPFP-110646
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2019-HCHEM-0211373
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2019-12-13T02:34:38.000
Chemical Name: Oxygen
Common Name: Oxygen
Case Number: 7782-44-7

Record ID: DEH2002-HUPFP-110646
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2019-HWAST-0183586
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2019-12-13T02:34:38.000
Chemical Name: Waste 221 Waste Oil & Mixed Oil

SOLID WASTE SERVICES (Continued) **S104234424**

Common Name: Waste 221 Waste Oil & Mixed Oil
Case Number: Not reported

Record ID: DEH2002-HUPFP-110646
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2019-HWAST-0183587
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2019-12-13T02:34:38.000
Chemical Name: Waste 352 Organic Solids
Common Name: Contaminated Absorbent
Case Number: Not reported

Record ID: DEH2002-HUPFP-110646
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2019-HWAST-0183588
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2019-12-13T02:34:38.000
Chemical Name: Waste 352 Organic Solids (Other)
Common Name: Waste Paint Booth Filters
Case Number: Not reported

Record ID: DEH2002-HUPFP-110646
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2019-HWAST-0183589
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2019-12-13T02:34:38.000
Chemical Name: WASTE 342 ORGANIC LIQUIDSW/METALS
Common Name: Antifreeze Waste
Case Number: Not reported

Record ID: DEH2002-HUPFP-110646
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2019-HWAST-0183590
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2019-12-13T02:34:38.000
Chemical Name: Universal Waste
Common Name: Universal Waste
Case Number: Not reported

Record ID: DEH2002-HUPFP-110646
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2019-HWAST-0183591
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2019-12-13T02:34:38.000
Chemical Name: Waste 222 Waste Oil/Water Separator Sludge
Common Name: Waste 222 Waste Oil/Water Separator Sludge
Case Number: Not reported

SOLID WASTE SERVICES (Continued) **S104234424**

Record ID: DEH2002-HUPFP-110646
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2019-HWAST-0183592
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2019-12-13T02:34:38.000
Chemical Name: Alkaline Liquid
Common Name: Cleaner De-Greaser Waste
Case Number: Not reported

Record ID: DEH2002-HUPFP-110646
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2019-HWAST-0183595
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2019-12-13T02:34:38.000
Chemical Name: Safety Kleen Parts Washer
Common Name: Parts Washer
Case Number: Not reported

Record ID: DEH2002-HUPFP-110646
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HWAST-0229396
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2021-12-21T02:32:26.000
Chemical Name: Universal Waste
Common Name: Universal Waste
Case Number: Not reported

Record ID: DEH2002-HUPFP-110646
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HCHEM-0258468
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2021-12-21T02:32:26.000
Chemical Name: Acetylene Gas
Common Name: Acetylene Gas
Case Number: Not reported

Record ID: DEH2002-HUPFP-110646
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HCHEM-0258469
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2021-12-21T02:32:26.000
Chemical Name: Engine Oil, Hydraulic Fluid, Gear Lube, Transmission Fluid
Common Name: Engine Oil, Hydraulic Fluid, Gear Lube, Transmission Fluid
Case Number: 68649-42-3

Name: EDCO WASTE & RECYCLING SERVICE

SOLID WASTE SERVICES (Continued) **S104234424**

Address:	224 S LAS POSAS RD
City,State,Zip:	SAN MARCOS, CA 92078
Permit Number:	110646
Business Type:	6HK70
EPA Id Number:	CAD054780051
APN:	219-140-14-00
Last HMMD Inspection:	01/31/2012
Facility Telephone:	760-744-2700
Permit Status:	OPEN
Permit Expiration:	12/31/2012
Date Last Updated:	11/02/2012
Facility Owner:	EDCO WASTE & RECYCLING SVC, INC
Facility Mailing Address:	224 S LAS POSAS RD
Facility Mailing City:	SAN MARCOS
Facility Mailing State:	CA
Facility Mailing Zip:	92078-2421
UST Owner:	EDCO WASTE & RECYCLING SVC, INC
Handle Regulated Hazmat:	Y
Own Or Operate UST:	Y
Subject To APSA:	Not reported
Generate Haz Waste:	Y
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

Inventory Active Permits (not SQG Medical):

Permit Number:	110646
Update Date:	11/02/2012
Case Number:	Not reported
Name:	382 EMUL-SOL
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	REACTIVE
Hazardous Categories 2:	ACUTE

Permit Number:	110646
Update Date:	11/02/2012
Case Number:	74-86-2
Name:	ACETYLENE
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	FIRE
Hazardous Categories 2:	Not reported

Permit Number:	110646
Update Date:	11/02/2012
Case Number:	7440-37-1
Name:	ARGON GAS
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	PRESSURE RELEASE
Hazardous Categories 2:	Not reported

Permit Number:	110646
Update Date:	11/02/2012
Case Number:	111-76-2
Name:	BUTYL CELLOSOLVE
Other Information:	ENAMAL, HI GLOSS:PAINT
Material Waste:	Material

SOLID WASTE SERVICES (Continued) **S104234424**

Hazardous Categories 1: FIRE
Hazardous Categories 2: Not reported

Permit Number: 110646
Update Date: 11/02/2012
Case Number: 124-38-9
Name: CARBON DIOXIDE
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: PRESSURE RELEASE
Hazardous Categories 2: ACUTE

Permit Number: 110646
Update Date: 11/02/2012
Case Number: Not reported
Name: DEGREASER
Other Information: ENVIRO-SAFE #100
Material Waste: Material
Hazardous Categories 1: CHRONIC
Hazardous Categories 2: Not reported

Permit Number: 110646
Update Date: 11/02/2012
Case Number: Not reported
Name: DIESEL
Other Information: UNDERGROUND TANK 110646 T001
Material Waste: Material
Hazardous Categories 1: CHRONIC
Hazardous Categories 2: Not reported

Permit Number: 110646
Update Date: 11/02/2012
Case Number: 107-21-1
Name: ETHYLENE GLYCOL
Other Information: ANTIFREEZE (TOTE AND DRUMS)
Material Waste: Material
Hazardous Categories 1: CHRONIC
Hazardous Categories 2: Not reported

Permit Number: 110646
Update Date: 11/02/2012
Case Number: 8012-95-1
Name: GEAR LUBRICANT/MOTOR OIL
Other Information: HYDRAULIC OIL/GEAR LUBRICANT/MOTOR OIL (5X55DM)
Material Waste: Material
Hazardous Categories 1: CHRONIC
Hazardous Categories 2: Not reported

Permit Number: 110646
Update Date: 11/02/2012
Case Number: 7782-44-7
Name: OXYGEN
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: PRESSURE RELEASE
Hazardous Categories 2: Not reported

SOLID WASTE SERVICES (Continued) **S104234424**

Permit Number: 110646
Update Date: 11/02/2012
Case Number: 74-98-9
Name: PROPANE
Other Information: LIQUID
Material Waste: Material
Hazardous Categories 1: REACTIVE
Hazardous Categories 2: PRESSURE RELEASE

Permit Number: 110646
Update Date: 11/02/2012
Case Number: MIX
Name: R-625 LIMO SOL
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: ACUTE
Hazardous Categories 2: Not reported

Permit Number: 110646
Update Date: 11/02/2012
Case Number: 67-64-1
Name: TCP 150 CLEAN SOL
Other Information: PAINT GUN CLEANER/ACETONE
Material Waste: Material
Hazardous Categories 1: ACUTE
Hazardous Categories 2: Not reported

Permit Number: 110646
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 132 AQUEOUS SOL'N WITH METALS
Other Information: PARTS CLEANER
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 110646
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 132 AQUEOUS SOL'N WITH METALS
Other Information: WASTE COOLANT, RECYCLES ON SITE
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 110646
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 134 AQUEOUS SOL'N W/LESS 10% ORG
Other Information: GLARIFIER SLUDGE (222)
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 110646
Update Date: 11/02/2012
Case Number: Not reported

SOLID WASTE SERVICES (Continued) **S104234424**

Name: WASTE 214 UNSPEC SOLVENT MIXTURE
Other Information: PAINT THINNER/SLUDGE
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 110646
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 221 WASTE OIL & MIXED OIL
Other Information: USED OIL
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 110646
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 291 LATEX WASTE
Other Information: LATEX
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 110646
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 331 OFF-SPEC,AGED,SURPLUS ORGANICS
Other Information: AEROSOLS
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 110646
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 352 ORGANIC SOLIDS (OTHER)
Other Information: CONTAMINATED ABSORBENT (352)
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 110646
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 352 ORGANIC SOLIDS (OTHER)
Other Information: WASTE PAINT BOOTH FILTERS
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 110646
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 352 ORGANIC SOLIDS (OTHER) *
Other Information: WASTE GREASE
Material Waste: Waste

SOLID WASTE SERVICES (Continued) **S104234424**

Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 110646
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 860 UNIVERSAL WASTE CRTS/LAMPS/BATTERIES/ETC
Other Information: FLOURESCENT TUBES, CRT'S, BATTERIES, TV'S
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 110646
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 888 USED OIL FILTERS
Other Information: USED OIL FILTERS
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 110646
Update Date: 11/02/2012
Case Number: MIXTURE
Name: WATER REDUCIBLE PAINT
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: ACUTE
Hazardous Categories 2: Not reported

Permit Number: 110646
Update Date: 11/02/2012
Case Number: Not reported
Name: ZEP-EZ
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: CHRONIC
Hazardous Categories 2: Not reported

Violations Active Permits:
Permit Number: 110646
Update Date: 11/02/2012
Inspection Date: 01/06/2010
Violation Code: 6HV1012
Violation: SPCC PLAN NOT PREPARED
Violation Citation: Spill Prevention Countermeasures & Control Plan not prepared as required. 25270.5 (c)
Activity: ACTIVE

Permit Number: 110646
Update Date: 11/02/2012
Inspection Date: 01/06/2010
Violation Code: 6HV0202
Violation: WASTE CONTAINER W/O LABELS
Violation Citation: Hazardous waste containers &/or tanks are missing labels, accumulation date and/or are improperly labeled. CCR 66262.34(a)(2); 66262.34(a)(3) & 66262.34(f)

SOLID WASTE SERVICES (Continued) **S104234424**

Activity: ACTIVE

Permit Number: 110646
Update Date: 11/02/2012
Inspection Date: 01/06/2010
Violation Code: 6HV3193
Violation: NO TRAINING/RECORD INCOMPLETE-NOT ONSITE
Violation Citation: Facility employee(s) are not trained, training records are incomplete, and/or not onsite. 2715(f)
Activity: ACTIVE

Permit Number: 110646
Update Date: 11/02/2012
Inspection Date: 01/06/2010
Violation Code: 6HV3152
Violation: ALL MAINT/MONITOR RECORDS NOT AVAILABLE
Violation Citation: All maintenance/monitoring/calibration/ repair records not available. 25293; 2712 (b)
Activity: ACTIVE

Permit Number: 110646
Update Date: 11/02/2012
Inspection Date: 01/06/2010
Violation Code: 6HV3105
Violation: NO CURRENT FINANCIAL RESPONSIBILITY
Violation Citation: Current evidence of financial responsibility not available. 25292.2(a), 25299.33; 2809
Activity: ACTIVE

Permit Number: 110646
Update Date: 11/02/2012
Inspection Date: 01/10/2008
Violation Code: 6HV3105
Violation: NO CURRENT FINANCIAL RESPONSIBILITY
Violation Citation: Current evidence of financial responsibility not available. 25292.2(a), 25299.33; 2809
Activity: ACTIVE

Permit Number: 110646
Update Date: 11/02/2012
Inspection Date: 01/10/2008
Violation Code: 6HV3107
Violation: MONITORING PROCEDURES NOT AVAIL/TO HMD
Violation Citation: Monitoring procedures not available/complete/submitted to HMD 2632(b)& (d), 2634(d), 2641(h), 2711(a)(9)
Activity: ACTIVE

Permit Number: 110646
Update Date: 11/02/2012
Inspection Date: 01/10/2008
Violation Code: 6HV3108
Violation: UST ER RESPONSE PLAN NOT COMPLETE/AVAIL
Violation Citation: Emergency Response Plan is not available/complete. 25289(b); 2632(b), 2634(e), 2641(h)
Activity: ACTIVE

Permit Number: 110646

SOLID WASTE SERVICES (Continued) **S104234424**

Update Date: 11/02/2012
Inspection Date: 01/15/2009
Violation Code: 6HV3193
Violation: NO TRAINING/RECORD INCOMPLETE-NOT ONSITE
Violation Citation: Facility employee(s) are not trained, training records are incomplete, and/or not onsite. 2715(f)
Activity: ACTIVE

Permit Number: 110646
Update Date: 11/02/2012
Inspection Date: 01/15/2009
Violation Code: 6HV3192
Violation: NO D.O INSPECTION/INCOMPL;NO REPORTS
Violation Citation: Designated Operator monthly inspection not conducted or incomplete; or DO inspection reports not onsite 2715 (c)(d)(e)
Activity: ACTIVE

Permit Number: 110646
Update Date: 11/02/2012
Inspection Date: 01/15/2009
Violation Code: 6HV0227
Violation: HAZWASTE TANK/CONTAINER W/O LABEL/DATE
Violation Citation: Failed to properly label/date hazardous waste container &/or tank. 66262.34(f)
Activity: ACTIVE

Permit Number: 110646
Update Date: 11/02/2012
Inspection Date: 01/24/2007
Violation Code: 6HV0227
Violation: HAZWASTE TANK/CONTAINER W/O LABEL/DATE
Violation Citation: Failed to properly label/date hazardous waste container &/or tank. 66262.34(f)
Activity: ACTIVE

Permit Number: 110646
Update Date: 11/02/2012
Inspection Date: 01/24/2007
Violation Code: 6HV0407
Violation: EMPLOYEE TRAINING NOT ADEQUATE
Violation Citation: Employee training program for small quantity generator of hazardous waste is inadequate. CFR 262.34(d)(5)(iii)
Activity: ACTIVE

Permit Number: 110646
Update Date: 11/02/2012
Inspection Date: 01/24/2007
Violation Code: 6HV3192
Violation: NO D.O INSPECTION/INCOMPL;NO REPORTS
Violation Citation: Designated Operator monthly inspection not conducted or incomplete; or DO inspection reports not onsite 2715 (c)(d)(e)
Activity: ACTIVE

Permit Number: 110646
Update Date: 11/02/2012
Inspection Date: 01/12/2011
Violation Code: 6HV3104

SOLID WASTE SERVICES (Continued) **S104234424**

Violation: FORMS A & B NOT AVAIL./SUBMITTED
Violation Citation: CUPA UST form(s) A and/or B not available/complete/submitted to HMD. 25286(a); 2711
Activity: ACTIVE

Permit Number: 110646
Update Date: 11/02/2012
Inspection Date: 01/12/2011
Violation Code: 6HV3192
Violation: NO D.O INSPECTION/INCOMPL;NO REPORTS
Violation Citation: Designated Operator monthly inspection not conducted or incomplete; or DO inspection reports not onsite 2715 (c)(d)(e)
Activity: ACTIVE

Permit Number: 110646
Update Date: 11/02/2012
Inspection Date: 01/12/2011
Violation Code: 6HV3252
Violation: AUDIO&VISUAL ALARMS NOT WORKING OK
Violation Citation: All audible and/or visual alarms not functioning properly. 2632(c)(2)(B), 2636(f)(1)
Activity: ACTIVE

Permit Number: 110646
Update Date: 11/02/2012
Inspection Date: 01/12/2011
Violation Code: 6HV3411
Violation: LLD NOT INSTALLED/NOT FUNCTIONAL
Violation Citation: DOUBLE WALLED PRESSURIZED PIPING-Including Under Dispenser Containment (UDC):Line leak detector is not installed, not functional, or not tested. 2636(f)(2), 25284.1(a)(4)(C), 2641(j)
Activity: ACTIVE

Permit Number: 110646
Update Date: 11/02/2012
Inspection Date: 01/12/2011
Violation Code: 6HV0235
Violation: WASTE NOT ACCUMULATED IN CONTAINER/TANK
Violation Citation: Did not accumulate waste in container or tank. 66262.34(a)(1)
Activity: ACTIVE

Permit Number: 110646
Update Date: 11/02/2012
Inspection Date: 01/12/2011
Violation Code: 6HV0401
Violation: TRAINING RECORDS UNAVAILABLE
Violation Citation: Personnel training records are not maintained to document compliance with requirements for current and former employees. CCR 66265.16(d)&(e)
Activity: ACTIVE

Permit Number: 110646
Update Date: 11/02/2012
Inspection Date: 01/12/2011
Violation Code: 6HV1601
Violation: HAZWASTE TANKS W/O P.E. ASSESSMENT
Violation Citation: Failed to obtain a P.E. assessment for hazardous waste tank system.

SOLID WASTE SERVICES (Continued) **S104234424**

66265.191(a) or 66265.192(a)
Activity: ACTIVE

Permit Number: 110646
Update Date: 11/02/2012
Inspection Date: 01/12/2011
Violation Code: 6HV1605
Violation: NO DAILY TANK INSPECTION/LOG
Violation Citation: Failed to inspect and/or document daily HW tank system inspections. 66265.195 (c)
Activity: ACTIVE

Permit Number: 110646
Update Date: 11/02/2012
Inspection Date: 01/31/2012
Violation Code: 6HV1009
Violation: HMBP: INADEQUATE SITE MAP
Violation Citation: Business Plan does not have a site map which provides sufficient or complete information for emergency response agencies. HSC 25509(a)(5) & 25505(a)(2)
Activity: ACTIVE

Permit Number: 110646
Update Date: 11/02/2012
Inspection Date: 01/31/2012
Violation Code: 6HV1018
Violation: INVENTORY INCOMPLETE/NOT AMENDED
Violation Citation: Inventory not amended for 100% increase of hazardous material onsite or inventory is incomplete. 25509, 25510
Activity: ACTIVE

Permit Number: 110646
Update Date: 11/02/2012
Inspection Date: 01/31/2012
Violation Code: 6HV0307
Violation: ILLEGAL DISPOSAL OF UNIVERSAL WASTE
Violation Citation: Disposal of universal waste to an unauthorized point. 25189.5(a); SQH:66273.11(a); LQH: 66273.31(a)
Activity: ACTIVE

Permit Number: 110646
Update Date: 11/02/2012
Inspection Date: 01/31/2012
Violation Code: 6HV0201
Violation: WASTE CONTAINER NOT CLOSED
Violation Citation: Hazardous waste containers are not kept closed while in storage. CCR 66265.173(a)
Activity: ACTIVE

Permit Number: 110646
Update Date: 11/02/2012
Inspection Date: 01/31/2012
Violation Code: 6HV0202
Violation: WASTE CONTAINER W/O LABELS
Violation Citation: Hazardous waste containers &/or tanks are missing labels, accumulation date and/or are improperly labeled. CCR 66262.34(a)(2); 66262.34(a)(3) & 66262.34(f)

SOLID WASTE SERVICES (Continued) **S104234424**

Activity:	ACTIVE
Permit Number:	110646
Update Date:	11/02/2012
Inspection Date:	01/31/2012
Violation Code:	6HV1605
Violation:	NO DAILY TANK INSPECTION/LOG
Violation Citation:	Failed to inspect and/or document daily HW tank system inspections. 66265.195 (c)
Activity:	ACTIVE
Permit Number:	110646
Update Date:	11/02/2012
Inspection Date:	01/20/2005
Violation Code:	6HV3102
Violation:	OPER. PERMIT NOT CURRENT/ONSITE
Violation Citation:	Current Operating Permit not available at facility. 25284(a), 25286(a); 2712(i); 68.1003
Activity:	ACTIVE
Permit Number:	110646
Update Date:	11/02/2012
Inspection Date:	01/20/2005
Violation Code:	6HV3114
Violation:	2NDRY CONT TEST NOT DONE/SENT TO CUPA
Violation Citation:	Secondary containment testing not done at 6/36 months and/or not sent to CUPA within 30 days. 25284.1; 2637(a)&(e)
Activity:	ACTIVE
Permit Number:	110646
Update Date:	11/02/2012
Inspection Date:	01/20/2005
Violation Code:	6HV3158
Violation:	ALL OPERATING CONDITIONS NOT MET
Violation Citation:	All permit operating conditions not met. 25284; 2712
Activity:	ACTIVE
Permit Number:	110646
Update Date:	11/02/2012
Inspection Date:	01/20/2005
Violation Code:	6HV3159
Violation:	MONITOR EQUIP NOT USED PER MANUFACTURER
Violation Citation:	Monitoring equipment not installed, calibrated, operated, and/or maintained per manufacturer’s instructions. 2637(b), 2641(j).
Activity:	ACTIVE
Permit Number:	110646
Update Date:	11/02/2012
Inspection Date:	01/20/2005
Violation Code:	6HV3255
Violation:	SPILL CONTAIN. NOT DRY/IN GOOD CONDITION
Violation Citation:	Spill container is not in good condition and/or liquid free. 2635(b)(1), 2636(a)(1)
Activity:	ACTIVE
Permit Number:	110646
Update Date:	11/02/2012

SOLID WASTE SERVICES (Continued) **S104234424**

Inspection Date: 01/20/2005
Violation Code: 6HV3405
Violation: LLD DOESN'T DETECT 3.0 GPH OR EQUIVA
Violation Citation: DOUBLE WALLED PRESSURIZED PIPING: OPTION 3-Line leak detector does not detect 3.0 gph or equivalent? 2636(f)(2)
Activity: ACTIVE

Permit Number: 110646
Update Date: 11/02/2012
Inspection Date: 01/26/2006
Violation Code: 6HV0133
Violation: MANIFEST COPY NOT SENT TO DTSC
Violation Citation: Generator of hazardous waste has not sent the appropriate copy of the manifest to DTSC/Cal-EPA. CCR 66262.23(a)(4)
Activity: ACTIVE

Permit Number: 110646
Update Date: 11/02/2012
Inspection Date: 01/26/2006
Violation Code: 6HV0138
Violation: NO TSDF SIGNED MANIFEST ONSITE
Violation Citation: Generator has not maintained the required signed copy of the hazardous waste manifest from the TSD facility on site for review. CCR 66262.40(a)
Activity: ACTIVE

Permit Number: 110646
Update Date: 11/02/2012
Inspection Date: 01/26/2006
Violation Code: 6HV0201
Violation: WASTE CONTAINER NOT CLOSED
Violation Citation: Hazardous waste containers are not kept closed while in storage. CCR 66265.173(a)
Activity: ACTIVE

Permit Number: 110646
Update Date: 11/02/2012
Inspection Date: 01/26/2006
Violation Code: 6HV0202
Violation: WASTE CONTAINER W/O LABELS
Violation Citation: Hazardous waste containers &/or tanks are missing labels, accumulation date and/or are improperly labeled. CCR 66262.34(a)(2); 66262.34(a)(3) & 66262.34(f)
Activity: ACTIVE

Permit Number: 110646
Update Date: 11/02/2012
Inspection Date: 06/11/2003
Violation Code: 6HV3103
Violation: NO UST PLAN CHECK PERMIT OBTAINED
Violation Citation: UST repair/modify/closure permit not obtained .68.1004, 68.1005, 68.1009.5
Activity: ACTIVE

UST:
UST Name: UNDERGROUND TANK 110646 T001
Last Update: 2012-11-02 14:17:38

SOLID WASTE SERVICES (Continued) **S104234424**

Permit Number: 110646
Tank Type: SINGLE WALL
Additional Id: RT1093, RT2470
Capacity Gallons: 12000
UST Contents: DIESEL
Other Content Info: DIESEL
Reg Status: ACTIVE
Remove Close Date: Not reported
Year Installed: 1983-01-01 00:00:00
Pipe Type: DOUBLE WALL
Delivery System: PRESSURE
Monitor Code: 15
UST Monitor Method: SW TANK DW PRESSURE PIPE W/ SHUTOFF AND ALARM ON LLD AND CERTIFIED ATG: IN-TANK TEST MONTHLY

UST Name: UNDERGROUND TANK 110646 T003
Last Update: 2012-11-02 14:17:38
Permit Number: 110646
Tank Type: SINGLE WALL
Additional Id: 001
Capacity Gallons: 750
UST Contents: Not reported
Other Content Info: MOTOR OIL
Reg Status: REMOVED
Remove Close Date: 1992-09-09 00:00:00
Year Installed: 1968-01-01 00:00:00
Pipe Type: Not reported
Delivery System: Not reported
Monitor Code: 07
UST Monitor Method: SW TANK SW PRESSURE PIPE W/RESTRICTIVE LLD W/DAILY RECONCILIATION OR WEEKLY GAUGING: TANK AND PIPE TEST ANNUALLY

UST Name: UNDERGROUND TANK 110646 T004
Last Update: 2012-11-02 14:17:38
Permit Number: 110646
Tank Type: SINGLE WALL
Additional Id: 1
Capacity Gallons: 550
UST Contents: Not reported
Other Content Info: WASTE OIL
Reg Status: REMOVED
Remove Close Date: 1989-05-19 00:00:00
Year Installed: Not reported
Pipe Type: Not reported
Delivery System: Not reported
Monitor Code: 90
UST Monitor Method: NO MONITORING ALTERNATIVE SELECTED. VERIFY AND ENTER MONITORING ALTERNATIVE DURING INSPECTION.

Name: EDCO WASTE & RECYCLING SERVICE
Address: 224 S LAS POSAS RD
City,State,Zip: SAN MARCOS, CA 92078
Permit Number: 110646
Business Type: 6HK70
EPA Id Number: CAD054780051
APN: 219-140-14-00

SOLID WASTE SERVICES (Continued) **S104234424**

Last HMMD Inspection: 01/31/2012
Facility Telephone: 760-744-2700
Permit Status: OPEN
Permit Expiration: 12/31/2012
Date Last Updated: 11/02/2012
Facility Owner: EDCO WASTE & RECYCLING SVC, INC
Facility Mailing Address: 224 S LAS POSAS RD
Facility Mailing City: SAN MARCOS
Facility Mailing State: CA
Facility Mailing Zip: 92078-2421
UST Owner: EDCO WASTE & RECYCLING SVC, INC
Handle Regulated Hazmat: Y
Own Or Operate UST: Y
Subject To APSA: Y
Generate Haz Waste: Y
Treat Haz Waste: Not reported
Generate Medical Waste: Not reported

Inventory Active Permits (not SQG Medical):
Permit Number: 110646
Update Date: 11/02/2012
Case Number: Not reported
Name: 382 EMUL-SOL
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: REACTIVE
Hazardous Categories 2: ACUTE

Permit Number: 110646
Update Date: 11/02/2012
Case Number: 74-86-2
Name: ACETYLENE
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: Not reported

Permit Number: 110646
Update Date: 11/02/2012
Case Number: 7440-37-1
Name: ARGON GAS
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: PRESSURE RELEASE
Hazardous Categories 2: Not reported

Permit Number: 110646
Update Date: 11/02/2012
Case Number: 111-76-2
Name: BUTYL CELLOSOLVE
Other Information: ENAMAL, HI GLOSS:PAINT
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: Not reported

Permit Number: 110646
Update Date: 11/02/2012
Case Number: 124-38-9

SOLID WASTE SERVICES (Continued) **S104234424**

Name: CARBON DIOXIDE
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: PRESSURE RELEASE
Hazardous Categories 2: ACUTE

Permit Number: 110646
Update Date: 11/02/2012
Case Number: Not reported
Name: DEGREASER
Other Information: ENVIRO-SAFE #100
Material Waste: Material
Hazardous Categories 1: CHRONIC
Hazardous Categories 2: Not reported

Permit Number: 110646
Update Date: 11/02/2012
Case Number: Not reported
Name: DIESEL
Other Information: UNDERGROUND TANK 110646 T001
Material Waste: Material
Hazardous Categories 1: CHRONIC
Hazardous Categories 2: Not reported

Permit Number: 110646
Update Date: 11/02/2012
Case Number: 107-21-1
Name: ETHYLENE GLYCOL
Other Information: ANTIFREEZE (TOTE AND DRUMS)
Material Waste: Material
Hazardous Categories 1: CHRONIC
Hazardous Categories 2: Not reported

Permit Number: 110646
Update Date: 11/02/2012
Case Number: 8012-95-1
Name: GEAR LUBRICANT/MOTOR OIL
Other Information: HYDRAULIC OIL/GEAR LUBRICANT/MOTOR OIL (5X55DM)
Material Waste: Material
Hazardous Categories 1: CHRONIC
Hazardous Categories 2: Not reported

Permit Number: 110646
Update Date: 11/02/2012
Case Number: 7782-44-7
Name: OXYGEN
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: PRESSURE RELEASE
Hazardous Categories 2: Not reported

Permit Number: 110646
Update Date: 11/02/2012
Case Number: 74-98-9
Name: PROPANE
Other Information: LIQUID
Material Waste: Material

SOLID WASTE SERVICES (Continued) **S104234424**

Hazardous Categories 1: REACTIVE
Hazardous Categories 2: PRESSURE RELEASE

Permit Number: 110646
Update Date: 11/02/2012
Case Number: MIX
Name: R-625 LIMO SOL
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: ACUTE
Hazardous Categories 2: Not reported

Permit Number: 110646
Update Date: 11/02/2012
Case Number: 67-64-1
Name: TCP 150 CLEAN SOL
Other Information: PAINT GUN CLEANER/ACETONE
Material Waste: Material
Hazardous Categories 1: ACUTE
Hazardous Categories 2: Not reported

Permit Number: 110646
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 132 AQUEOUS SOL'N WITH METALS
Other Information: PARTS CLEANER
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 110646
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 132 AQUEOUS SOL'N WITH METALS
Other Information: WASTE COOLANT, RECYCLES ON SITE
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 110646
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 134 AQUEOUS SOL'N W/LESS 10% ORG
Other Information: GLARIFIER SLUDGE (222)
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 110646
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 214 UNSPEC SOLVENT MIXTURE
Other Information: PAINT THINNER/SLUDGE
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

SOLID WASTE SERVICES (Continued) **S104234424**

Permit Number: 110646
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 221 WASTE OIL & MIXED OIL
Other Information: USED OIL
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 110646
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 291 LATEX WASTE
Other Information: LATEX
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 110646
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 331 OFF-SPEC,AGED,SURPLUS ORGANICS
Other Information: AEROSOLS
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 110646
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 352 ORGANIC SOLIDS (OTHER)
Other Information: CONTAMINATED ABSORBENT (352)
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 110646
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 352 ORGANIC SOLIDS (OTHER)
Other Information: WASTE PAINT BOOTH FILTERS
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 110646
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 352 ORGANIC SOLIDS (OTHER) *
Other Information: WASTE GREASE
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 110646
Update Date: 11/02/2012
Case Number: Not reported

SOLID WASTE SERVICES (Continued) **S104234424**

Name: WASTE 860 UNIVERSAL WASTE CRTS/LAMPS/BATTERIES/ETC
Other Information: FLOURESCENT TUBES, CRT'S, BATTERIES, TV'S
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 110646
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 888 USED OIL FILTERS
Other Information: USED OIL FILTERS
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 110646
Update Date: 11/02/2012
Case Number: MIXTURE
Name: WATER REDUCIBLE PAINT
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: ACUTE
Hazardous Categories 2: Not reported

Permit Number: 110646
Update Date: 11/02/2012
Case Number: Not reported
Name: ZEP-EZ
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: CHRONIC
Hazardous Categories 2: Not reported

Violations Active Permits:
Permit Number: 110646
Update Date: 11/02/2012
Inspection Date: 01/06/2010
Violation Code: 6HV1012
Violation: SPCC PLAN NOT PREPARED
Violation Citation: Spill Prevention Countermeasures & Control Plan not prepared as required. 25270.5 (c)
Activity: ACTIVE

Permit Number: 110646
Update Date: 11/02/2012
Inspection Date: 01/06/2010
Violation Code: 6HV0202
Violation: WASTE CONTAINER W/O LABELS
Violation Citation: Hazardous waste containers &/or tanks are missing labels, accumulation date and/or are improperly labeled. CCR 66262.34(a)(2); 66262.34(a)(3) & 66262.34(f)
Activity: ACTIVE

Permit Number: 110646
Update Date: 11/02/2012
Inspection Date: 01/06/2010
Violation Code: 6HV3193

SOLID WASTE SERVICES (Continued) **S104234424**

Violation: NO TRAINING/RECORD INCOMPLETE-NOT ONSITE
Violation Citation: Facility employee(s) are not trained, training records are incomplete, and/or not onsite. 2715(f)
Activity: ACTIVE

Permit Number: 110646
Update Date: 11/02/2012
Inspection Date: 01/06/2010
Violation Code: 6HV3152
Violation: ALL MAINT/MONITOR RECORDS NOT AVAILABLE
Violation Citation: All maintenance/monitoring/calibration/ repair records not available. 25293; 2712 (b)
Activity: ACTIVE

Permit Number: 110646
Update Date: 11/02/2012
Inspection Date: 01/06/2010
Violation Code: 6HV3105
Violation: NO CURRENT FINANCIAL RESPONSIBILITY
Violation Citation: Current evidence of financial responsibility not available. 25292.2(a), 25299.33; 2809
Activity: ACTIVE

Permit Number: 110646
Update Date: 11/02/2012
Inspection Date: 01/10/2008
Violation Code: 6HV3105
Violation: NO CURRENT FINANCIAL RESPONSIBILITY
Violation Citation: Current evidence of financial responsibility not available. 25292.2(a), 25299.33; 2809
Activity: ACTIVE

Permit Number: 110646
Update Date: 11/02/2012
Inspection Date: 01/10/2008
Violation Code: 6HV3107
Violation: MONITORING PROCEDURES NOT AVAIL/TO HMD
Violation Citation: Monitoring procedures not available/complete/submitted to HMD 2632(b)& (d), 2634(d), 2641(h), 2711(a)(9)
Activity: ACTIVE

Permit Number: 110646
Update Date: 11/02/2012
Inspection Date: 01/10/2008
Violation Code: 6HV3108
Violation: UST ER RESPONSE PLAN NOT COMPLETE/AVAIL
Violation Citation: Emergency Response Plan is not available/complete. 25289(b); 2632(b), 2634(e), 2641(h)
Activity: ACTIVE

Permit Number: 110646
Update Date: 11/02/2012
Inspection Date: 01/15/2009
Violation Code: 6HV3193
Violation: NO TRAINING/RECORD INCOMPLETE-NOT ONSITE
Violation Citation: Facility employee(s) are not trained, training records are incomplete, and/or not onsite. 2715(f)

SOLID WASTE SERVICES (Continued) **S104234424**

Activity:	ACTIVE
Permit Number:	110646
Update Date:	11/02/2012
Inspection Date:	01/15/2009
Violation Code:	6HV3192
Violation:	NO D.O INSPECTION/INCOMPL;NO REPORTS
Violation Citation:	Designated Operator monthly inspection not conducted or incomplete; or DO inspection reports not onsite 2715 (c)(d)(e)
Activity:	ACTIVE
Permit Number:	110646
Update Date:	11/02/2012
Inspection Date:	01/15/2009
Violation Code:	6HV0227
Violation:	HAZWASTE TANK/CONTAINER W/O LABEL/DATE
Violation Citation:	Failed to properly label/date hazardous waste container &/or tank. 66262.34(f)
Activity:	ACTIVE
Permit Number:	110646
Update Date:	11/02/2012
Inspection Date:	01/24/2007
Violation Code:	6HV0227
Violation:	HAZWASTE TANK/CONTAINER W/O LABEL/DATE
Violation Citation:	Failed to properly label/date hazardous waste container &/or tank. 66262.34(f)
Activity:	ACTIVE
Permit Number:	110646
Update Date:	11/02/2012
Inspection Date:	01/24/2007
Violation Code:	6HV0407
Violation:	EMPLOYEE TRAINING NOT ADEQUATE
Violation Citation:	Employee training program for small quantity generator of hazardous waste is inadequate. CFR 262.34(d)(5)(iii)
Activity:	ACTIVE
Permit Number:	110646
Update Date:	11/02/2012
Inspection Date:	01/24/2007
Violation Code:	6HV3192
Violation:	NO D.O INSPECTION/INCOMPL;NO REPORTS
Violation Citation:	Designated Operator monthly inspection not conducted or incomplete; or DO inspection reports not onsite 2715 (c)(d)(e)
Activity:	ACTIVE
Permit Number:	110646
Update Date:	11/02/2012
Inspection Date:	01/12/2011
Violation Code:	6HV3104
Violation:	FORMS A & B NOT AVAIL./SUBMITTED
Violation Citation:	CUPA UST form(s) A and/or B not available/complete/submitted to HMD. 25286(a); 2711
Activity:	ACTIVE
Permit Number:	110646

SOLID WASTE SERVICES (Continued) **S104234424**

Update Date:	11/02/2012
Inspection Date:	01/12/2011
Violation Code:	6HV3192
Violation:	NO D.O INSPECTION/INCOMPL;NO REPORTS
Violation Citation:	Designated Operator monthly inspection not conducted or incomplete; or DO inspection reports not onsite 2715 (c)(d)(e)
Activity:	ACTIVE
Permit Number:	110646
Update Date:	11/02/2012
Inspection Date:	01/12/2011
Violation Code:	6HV3252
Violation:	AUDIO&VISUAL ALARMS NOT WORKING OK
Violation Citation:	All audible and/or visual alarms not functioning properly. 2632(c)(2)(B), 2636(f)(1)
Activity:	ACTIVE
Permit Number:	110646
Update Date:	11/02/2012
Inspection Date:	01/12/2011
Violation Code:	6HV3411
Violation:	LLD NOT INSTALLED/NOT FUNCTIONAL
Violation Citation:	DOUBLE WALLED PRESSURIZED PIPING-Including Under Dispenser Containment (UDC):Line leak detector is not installed, not functional, or not tested. 2636(f)(2), 25284.1(a)(4)(C), 2641(j)
Activity:	ACTIVE
Permit Number:	110646
Update Date:	11/02/2012
Inspection Date:	01/12/2011
Violation Code:	6HV0235
Violation:	WASTE NOT ACCUMULATED IN CONTAINER/TANK
Violation Citation:	Did not accumulate waste in container or tank. 66262.34(a)(1)
Activity:	ACTIVE
Permit Number:	110646
Update Date:	11/02/2012
Inspection Date:	01/12/2011
Violation Code:	6HV0401
Violation:	TRAINING RECORDS UNAVAILABLE
Violation Citation:	Personnel training records are not maintained to document compliance with requirements for current and former employees. CCR 66265.16(d)&(e)
Activity:	ACTIVE
Permit Number:	110646
Update Date:	11/02/2012
Inspection Date:	01/12/2011
Violation Code:	6HV1601
Violation:	HAZWASTE TANKS W/O P.E. ASSESSMENT
Violation Citation:	Failed to obtain a P.E. assessment for hazardous waste tank system. 66265.191(a) or 66265.192(a)
Activity:	ACTIVE
Permit Number:	110646
Update Date:	11/02/2012
Inspection Date:	01/12/2011

SOLID WASTE SERVICES (Continued) **S104234424**

Violation Code: 6HV1605
Violation: NO DAILY TANK INSPECTION/LOG
Violation Citation: Failed to inspect and/or document daily HW tank system inspections. 66265.195 (c)
Activity: ACTIVE

Permit Number: 110646
Update Date: 11/02/2012
Inspection Date: 01/31/2012
Violation Code: 6HV1009
Violation: HMBP: INADEQUATE SITE MAP
Violation Citation: Business Plan does not have a site map which provides sufficient or complete information for emergency response agencies. HSC 25509(a)(5) & 25505(a)(2)
Activity: ACTIVE

Permit Number: 110646
Update Date: 11/02/2012
Inspection Date: 01/31/2012
Violation Code: 6HV1018
Violation: INVENTORY INCOMPLETE/NOT AMENDED
Violation Citation: Inventory not amended for 100% increase of hazardous material onsite or inventory is incomplete. 25509, 25510
Activity: ACTIVE

Permit Number: 110646
Update Date: 11/02/2012
Inspection Date: 01/31/2012
Violation Code: 6HV0307
Violation: ILLEGAL DISPOSAL OF UNIVERSAL WASTE
Violation Citation: Disposal of universal waste to an unauthorized point. 25189.5(a); SQH:66273.11(a); LQH: 66273.31(a)
Activity: ACTIVE

Permit Number: 110646
Update Date: 11/02/2012
Inspection Date: 01/31/2012
Violation Code: 6HV0201
Violation: WASTE CONTAINER NOT CLOSED
Violation Citation: Hazardous waste containers are not kept closed while in storage. CCR 66265.173(a)
Activity: ACTIVE

Permit Number: 110646
Update Date: 11/02/2012
Inspection Date: 01/31/2012
Violation Code: 6HV0202
Violation: WASTE CONTAINER W/O LABELS
Violation Citation: Hazardous waste containers &/or tanks are missing labels, accumulation date and/or are improperly labeled. CCR 66262.34(a)(2); 66262.34(a)(3) & 66262.34(f)
Activity: ACTIVE

Permit Number: 110646
Update Date: 11/02/2012
Inspection Date: 01/31/2012
Violation Code: 6HV1605

SOLID WASTE SERVICES (Continued) **S104234424**

Violation: NO DAILY TANK INSPECTION/LOG
Violation Citation: Failed to inspect and/or document daily HW tank system inspections. 66265.195 (c)
Activity: ACTIVE

Permit Number: 110646
Update Date: 11/02/2012
Inspection Date: 01/20/2005
Violation Code: 6HV3102
Violation: OPER. PERMIT NOT CURRENT/ONSITE
Violation Citation: Current Operating Permit not available at facility. 25284(a), 25286(a); 2712(i); 68.1003
Activity: ACTIVE

Permit Number: 110646
Update Date: 11/02/2012
Inspection Date: 01/20/2005
Violation Code: 6HV3114
Violation: 2NDRY CONT TEST NOT DONE/SENT TO CUPA
Violation Citation: Secondary containment testing not done at 6/36 months and/or not sent to CUPA within 30 days. 25284.1; 2637(a)&(e)
Activity: ACTIVE

Permit Number: 110646
Update Date: 11/02/2012
Inspection Date: 01/20/2005
Violation Code: 6HV3158
Violation: ALL OPERATING CONDITIONS NOT MET
Violation Citation: All permit operating conditions not met. 25284; 2712
Activity: ACTIVE

Permit Number: 110646
Update Date: 11/02/2012
Inspection Date: 01/20/2005
Violation Code: 6HV3159
Violation: MONITOR EQUIP NOT USED PER MANUFACTURER
Violation Citation: Monitoring equipment not installed, calibrated, operated, and/or maintained per manufacturer’s instructions. 2637(b), 2641(j).
Activity: ACTIVE

Permit Number: 110646
Update Date: 11/02/2012
Inspection Date: 01/20/2005
Violation Code: 6HV3255
Violation: SPILL CONTAIN. NOT DRY/IN GOOD CONDITION
Violation Citation: Spill container is not in good condition and/or liquid free. 2635(b)(1), 2636(a)(1)
Activity: ACTIVE

Permit Number: 110646
Update Date: 11/02/2012
Inspection Date: 01/20/2005
Violation Code: 6HV3405
Violation: LLD DOESN’T DETECT 3.0 GPH OR EQUIVA
Violation Citation: DOUBLE WALLED PRESSURIZED PIPING: OPTION 3-Line leak detector does not detect 3.0 gph or equivalent? 2636(f)(2)
Activity: ACTIVE

SOLID WASTE SERVICES (Continued) **S104234424**

Permit Number: 110646
Update Date: 11/02/2012
Inspection Date: 01/26/2006
Violation Code: 6HV0133
Violation: MANIFEST COPY NOT SENT TO DTSC
Violation Citation: Generator of hazardous waste has not sent the appropriate copy of the manifest to DTSC/Cal-EPA. CCR 66262.23(a)(4)
Activity: ACTIVE

Permit Number: 110646
Update Date: 11/02/2012
Inspection Date: 01/26/2006
Violation Code: 6HV0138
Violation: NO TSDF SIGNED MANIFEST ONSITE
Violation Citation: Generator has not maintained the required signed copy of the hazardous waste manifest from the TSD facility on site for review. CCR 66262.40(a)
Activity: ACTIVE

Permit Number: 110646
Update Date: 11/02/2012
Inspection Date: 01/26/2006
Violation Code: 6HV0201
Violation: WASTE CONTAINER NOT CLOSED
Violation Citation: Hazardous waste containers are not kept closed while in storage. CCR 66265.173(a)
Activity: ACTIVE

Permit Number: 110646
Update Date: 11/02/2012
Inspection Date: 01/26/2006
Violation Code: 6HV0202
Violation: WASTE CONTAINER W/O LABELS
Violation Citation: Hazardous waste containers &/or tanks are missing labels, accumulation date and/or are improperly labeled. CCR 66262.34(a)(2); 66262.34(a)(3) & 66262.34(f)
Activity: ACTIVE

Permit Number: 110646
Update Date: 11/02/2012
Inspection Date: 06/11/2003
Violation Code: 6HV3103
Violation: NO UST PLAN CHECK PERMIT OBTAINED
Violation Citation: UST repair/modify/closure permit not obtained .68.1004, 68.1005, 68.1009.5
Activity: ACTIVE

UST:
UST Name: UNDERGROUND TANK 110646 T001
Last Update: 2012-11-02 14:17:38
Permit Number: 110646
Tank Type: SINGLE WALL
Additional Id: RT1093, RT2470
Capacity Gallons: 12000
UST Contents: DIESEL
Other Content Info: DIESEL
Reg Status: ACTIVE

SOLID WASTE SERVICES (Continued) **S104234424**

Remove Close Date: Not reported
Year Installed: 1983-01-01 00:00:00
Pipe Type: DOUBLE WALL
Delivery System: PRESSURE
Monitor Code: 15
UST Monitor Method: SW TANK DW PRESSURE PIPE W/ SHUTOFF AND ALARM ON LLD AND CERTIFIED ATG: IN-TANK TEST MONTHLY

UST Name: UNDERGROUND TANK 110646 T003
Last Update: 2012-11-02 14:17:38
Permit Number: 110646
Tank Type: SINGLE WALL
Additional Id: 001
Capacity Gallons: 750
UST Contents: Not reported
Other Content Info: MOTOR OIL
Reg Status: REMOVED
Remove Close Date: 1992-09-09 00:00:00
Year Installed: 1968-01-01 00:00:00
Pipe Type: Not reported
Delivery System: Not reported
Monitor Code: 07
UST Monitor Method: SW TANK SW PRESSURE PIPE W/RESTRICTIVE LLD W/DAILY RECONCILIATION OR WEEKLY GAUGING: TANK AND PIPE TEST ANNUALLY

UST Name: UNDERGROUND TANK 110646 T004
Last Update: 2012-11-02 14:17:38
Permit Number: 110646
Tank Type: SINGLE WALL
Additional Id: 1
Capacity Gallons: 550
UST Contents: Not reported
Other Content Info: WASTE OIL
Reg Status: REMOVED
Remove Close Date: 1989-05-19 00:00:00
Year Installed: Not reported
Pipe Type: Not reported
Delivery System: Not reported
Monitor Code: 90
UST Monitor Method: NO MONITORING ALTERNATIVE SELECTED. VERIFY AND ENTER MONITORING ALTERNATIVE DURING INSPECTION.

CERS HAZ WASTE:
Name: EDCO WASTE & RECYCLING SERVICE
Address: 224 S LAS POSAS RD
City,State,Zip: SAN MARCOS, CA 92078
Site ID: 27461
CERS ID: 10375948
CERS Description: Hazardous Waste Generator

SWEEPS UST:
Name: SOLID WASTE SERVICES
Address: 224 S LAS POSAS RD
City: SAN MARCOS
Status: Not reported

SOLID WASTE SERVICES (Continued) **S104234424**

Comp Number: 10646
Number: Not reported
Board Of Equalization: 44-022480
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 37-000-010646-000004
Tank Status: Not reported
Capacity: 550
Active Date: Not reported
Tank Use: PETROLEUM
STG: WASTE
Content: Not reported
Number Of Tanks: 1

Name: SOLID WASTE SERVICES
Address: 224 S LAS POSAS RD
City: SAN MARCOS
Status: Active
Comp Number: 10646
Number: 9
Board Of Equalization: 44-022480
Referral Date: Not reported
Action Date: 06-26-92
Created Date: 02-29-88
Owner Tank Id: Not reported
SWRCB Tank Id: 37-000-010646-000001
Tank Status: A
Capacity: 12000
Active Date: Not reported
Tank Use: M.V. FUEL
STG: P
Content: OTHER
Number Of Tanks: 2

Name: SOLID WASTE SERVICES
Address: 224 S LAS POSAS RD
City: SAN MARCOS
Status: Active
Comp Number: 10646
Number: 9
Board Of Equalization: 44-022480
Referral Date: Not reported
Action Date: 06-26-92
Created Date: 02-29-88
Owner Tank Id: Not reported
SWRCB Tank Id: 37-000-010646-000003
Tank Status: A
Capacity: 750
Active Date: Not reported
Tank Use: OIL
STG: P
Content: Not reported
Number Of Tanks: Not reported

SOLID WASTE SERVICES (Continued) **S104234424**

CORTESE:

Name:	EDCO WASTE & RECYCLING SERVICE
Address:	224 S LAS POSAS RD
City,State,Zip:	SAN MARCOS, CA 920691423
Region:	CORTESE
Envirostor Id:	Not reported
Global ID:	T0607300258
Site/Facility Type:	LUST CLEANUP SITE
Cleanup Status:	COMPLETED - CASE CLOSED
Status Date:	Not reported
Site Code:	Not reported
Latitude:	Not reported
Longitude:	Not reported
Owner:	Not reported
Enf Type:	Not reported
Swat R:	Not reported
Flag:	active
Order No:	Not reported
Waste Discharge System No:	Not reported
Effective Date:	Not reported
Region 2:	Not reported
WID Id:	Not reported
Solid Waste Id No:	Not reported
Waste Management Uit Name:	Not reported
File Name:	Active Open

Name:	EDCO WASTE & RECYCLING SERVICE
Address:	224 S LAS POSAS RD
City,State,Zip:	SAN MARCOS, CA 920691423
Region:	CORTESE
Envirostor Id:	Not reported
Global ID:	T0607302493
Site/Facility Type:	LUST CLEANUP SITE
Cleanup Status:	COMPLETED - CASE CLOSED
Status Date:	Not reported
Site Code:	Not reported
Latitude:	Not reported
Longitude:	Not reported
Owner:	Not reported
Enf Type:	Not reported
Swat R:	Not reported
Flag:	active
Order No:	Not reported
Waste Discharge System No:	Not reported
Effective Date:	Not reported
Region 2:	Not reported
WID Id:	Not reported
Solid Waste Id No:	Not reported
Waste Management Uit Name:	Not reported
File Name:	Active Open

Name:	EDCO WASTE & RECYCLING SERVICE
Address:	224 S LAS POSAS RD
City,State,Zip:	SAN MARCOS, CA 920691423
Region:	CORTESE
Envirostor Id:	Not reported
Global ID:	T0607301051

SOLID WASTE SERVICES (Continued) **S104234424**

Site/Facility Type:	LUST CLEANUP SITE
Cleanup Status:	COMPLETED - CASE CLOSED
Status Date:	Not reported
Site Code:	Not reported
Latitude:	Not reported
Longitude:	Not reported
Owner:	Not reported
Enf Type:	Not reported
Swat R:	Not reported
Flag:	active
Order No:	Not reported
Waste Discharge System No:	Not reported
Effective Date:	Not reported
Region 2:	Not reported
WID Id:	Not reported
Solid Waste Id No:	Not reported
Waste Management Uit Name:	Not reported
File Name:	Active Open

NPDES:

Name:	EDCO WASTE & RECYCLING SERVICES
Address:	224 S LAS POSAS RD
City,State,Zip:	SAN MARCOS, CA 92078
Facility Status:	Not reported
NPDES Number:	Not reported
Region:	Not reported
Agency Number:	Not reported
Regulatory Measure ID:	Not reported
Place ID:	Not reported
Order Number:	Not reported
WDID:	9 37I000430
Regulatory Measure Type:	Industrial
Program Type:	Not reported
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Discharge Address:	Not reported
Discharge Name:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
Status:	Active
Status Date:	03/13/1992
Operator Name:	EDCO Waste Recycling
Operator Address:	224 S Las Posas Rd
Operator City:	San Marcos
Operator State:	California
Operator Zip:	92078

NPDES as of 03/2018:

NPDES Number:	Not reported
Status:	Not reported
Agency Number:	Not reported
Region:	9
Regulatory Measure ID:	218154
Order Number:	Not reported

SOLID WASTE SERVICES (Continued) **S104234424**

Regulatory Measure Type:	Industrial
Place ID:	Not reported
WDID:	9 37I000430
Program Type:	Not reported
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	Not reported
Discharge Address:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
Received Date:	05/09/2008
Processed Date:	03/13/1992
Status:	Active
Status Date:	03/13/1992
Place Size:	10
Place Size Unit:	Acres
Contact:	Lisa Tucker
Contact Title:	EHS Manager
Contact Phone:	760-744-5615
Contact Phone Ext:	148
Contact Email:	ltucker@edcodisposal.com
Operator Name:	EDCO Waste Recycling
Operator Address:	224 S Las Posas Rd
Operator City:	San Marcos
Operator State:	California
Operator Zip:	92078
Operator Contact:	Lisa Tucker
Operator Contact Title:	EHS Manager
Operator Contact Phone:	760-744-5615
Operator Contact Phone Ext:	148
Operator Contact Email:	ltucker@edcodisposal.com
Operator Type:	Private Business
Developer:	Not reported
Developer Address:	Not reported
Developer City:	Not reported
Developer State:	California
Developer Zip:	Not reported
Developer Contact:	Not reported
Developer Contact Title:	Not reported
Constype Linear Utility Ind:	Not reported
Emergency Phone:	Not reported
Emergency Phone Ext:	Not reported
Constype Above Ground Ind:	Not reported
Constype Below Ground Ind:	Not reported
Constype Cable Line Ind:	Not reported
Constype Comm Line Ind:	Not reported
Constype Commertial Ind:	Not reported
Constype Electrical Line Ind:	Not reported
Constype Gas Line Ind:	Not reported
Constype Industrial Ind:	Not reported
Constype Other Description:	Not reported
Constype Other Ind:	Not reported
Constype Recons Ind:	Not reported
Constype Residential Ind:	Not reported

SOLID WASTE SERVICES (Continued) **S104234424**

Constype Transport Ind:	Not reported
Constype Utility Description:	Not reported
Constype Utility Ind:	Not reported
Constype Water Sewer Ind:	Not reported
Dir Discharge Uswater Ind:	N
Receiving Water Name:	Lake San Marcos
Certifier:	Steve South
Certifier Title:	CEO
Certification Date:	25-JUN-15
Primary Sic:	4953-Refuse Systems
Secondary Sic:	Not reported
Tertiary Sic:	Not reported
NPDES Number:	CAS000001
Status:	Active
Agency Number:	0
Region:	9
Regulatory Measure ID:	218154
Order Number:	97-03-DWQ
Regulatory Measure Type:	Enrollee
Place ID:	Not reported
WDID:	9 37I000430
Program Type:	Industrial
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	03/13/1992
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	EDCO Waste Recycling
Discharge Address:	224 S Las Posas Rd
Discharge City:	San Marcos
Discharge State:	California
Discharge Zip:	92078
Received Date:	Not reported
Processed Date:	Not reported
Status:	Not reported
Status Date:	Not reported
Place Size:	Not reported
Place Size Unit:	Not reported
Contact:	Not reported
Contact Title:	Not reported
Contact Phone:	Not reported
Contact Phone Ext:	Not reported
Contact Email:	Not reported
Operator Name:	Not reported
Operator Address:	Not reported
Operator City:	Not reported
Operator State:	Not reported
Operator Zip:	Not reported
Operator Contact:	Not reported
Operator Contact Title:	Not reported
Operator Contact Phone:	Not reported
Operator Contact Phone Ext:	Not reported
Operator Contact Email:	Not reported
Operator Type:	Not reported
Developer:	Not reported
Developer Address:	Not reported
Developer City:	Not reported

SOLID WASTE SERVICES (Continued) **S104234424**

Developer State:	Not reported
Developer Zip:	Not reported
Developer Contact:	Not reported
Developer Contact Title:	Not reported
Constype Linear Utility Ind:	Not reported
Emergency Phone:	Not reported
Emergency Phone Ext:	Not reported
Constype Above Ground Ind:	Not reported
Constype Below Ground Ind:	Not reported
Constype Cable Line Ind:	Not reported
Constype Comm Line Ind:	Not reported
Constype Commertial Ind:	Not reported
Constype Electrical Line Ind:	Not reported
Constype Gas Line Ind:	Not reported
Constype Industrial Ind:	Not reported
Constype Other Description:	Not reported
Constype Other Ind:	Not reported
Constype Recons Ind:	Not reported
Constype Residential Ind:	Not reported
Constype Transport Ind:	Not reported
Constype Utility Description:	Not reported
Constype Utility Ind:	Not reported
Constype Water Sewer Ind:	Not reported
Dir Discharge Uswater Ind:	Not reported
Receiving Water Name:	Not reported
Certifier:	Not reported
Certifier Title:	Not reported
Certification Date:	Not reported
Primary Sic:	Not reported
Secondary Sic:	Not reported
Tertiary Sic:	Not reported

Name:	EDCO WASTE & RECYCLING SERVICES
Address:	224 S LAS POSAS RD
City,State,Zip:	SAN MARCOS, CA 92078
Facility Status:	Active
NPDES Number:	CAS000001
Region:	9
Agency Number:	0
Regulatory Measure ID:	218154
Place ID:	Not reported
Order Number:	97-03-DWQ
WDID:	9 37I000430
Regulatory Measure Type:	Enrollee
Program Type:	Industrial
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	03/13/1992
Termination Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Discharge Address:	224 S Las Posas Rd
Discharge Name:	EDCO Waste Recycling
Discharge City:	San Marcos
Discharge State:	California
Discharge Zip:	92078
Status:	Not reported
Status Date:	Not reported

SOLID WASTE SERVICES (Continued) **S104234424**

Operator Name:	Not reported
Operator Address:	Not reported
Operator City:	Not reported
Operator State:	Not reported
Operator Zip:	Not reported

NPDES as of 03/2018:

NPDES Number:	Not reported
Status:	Not reported
Agency Number:	Not reported
Region:	9
Regulatory Measure ID:	218154
Order Number:	Not reported
Regulatory Measure Type:	Industrial
Place ID:	Not reported
WDID:	9 37I000430
Program Type:	Not reported
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	Not reported
Discharge Address:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
Received Date:	05/09/2008
Processed Date:	03/13/1992
Status:	Active
Status Date:	03/13/1992
Place Size:	10
Place Size Unit:	Acres
Contact:	Lisa Tucker
Contact Title:	EHS Manager
Contact Phone:	760-744-5615
Contact Phone Ext:	148
Contact Email:	ltucker@edcodisposal.com
Operator Name:	EDCO Waste Recycling
Operator Address:	224 S Las Posas Rd
Operator City:	San Marcos
Operator State:	California
Operator Zip:	92078
Operator Contact:	Lisa Tucker
Operator Contact Title:	EHS Manager
Operator Contact Phone:	760-744-5615
Operator Contact Phone Ext:	148
Operator Contact Email:	ltucker@edcodisposal.com
Operator Type:	Private Business
Developer:	Not reported
Developer Address:	Not reported
Developer City:	Not reported
Developer State:	California
Developer Zip:	Not reported
Developer Contact:	Not reported
Developer Contact Title:	Not reported
Constype Linear Utility Ind:	Not reported
Emergency Phone:	Not reported
Emergency Phone Ext:	Not reported

SOLID WASTE SERVICES (Continued) **S104234424**

Constype Above Ground Ind:	Not reported
Constype Below Ground Ind:	Not reported
Constype Cable Line Ind:	Not reported
Constype Comm Line Ind:	Not reported
Constype Commertial Ind:	Not reported
Constype Electrical Line Ind:	Not reported
Constype Gas Line Ind:	Not reported
Constype Industrial Ind:	Not reported
Constype Other Description:	Not reported
Constype Other Ind:	Not reported
Constype Recons Ind:	Not reported
Constype Residential Ind:	Not reported
Constype Transport Ind:	Not reported
Constype Utility Description:	Not reported
Constype Utility Ind:	Not reported
Constype Water Sewer Ind:	Not reported
Dir Discharge Uswater Ind:	N
Receiving Water Name:	Lake San Marcos
Certifier:	Steve South
Certifier Title:	CEO
Certification Date:	25-JUN-15
Primary Sic:	4953-Refuse Systems
Secondary Sic:	Not reported
Tertiary Sic:	Not reported
NPDES Number:	CAS000001
Status:	Active
Agency Number:	0
Region:	9
Regulatory Measure ID:	218154
Order Number:	97-03-DWQ
Regulatory Measure Type:	Enrollee
Place ID:	Not reported
WDID:	9 37I000430
Program Type:	Industrial
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	03/13/1992
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	EDCO Waste Recycling
Discharge Address:	224 S Las Posas Rd
Discharge City:	San Marcos
Discharge State:	California
Discharge Zip:	92078
Received Date:	Not reported
Processed Date:	Not reported
Status:	Not reported
Status Date:	Not reported
Place Size:	Not reported
Place Size Unit:	Not reported
Contact:	Not reported
Contact Title:	Not reported
Contact Phone:	Not reported
Contact Phone Ext:	Not reported
Contact Email:	Not reported
Operator Name:	Not reported
Operator Address:	Not reported

SOLID WASTE SERVICES (Continued) **S104234424**

Operator City:	Not reported
Operator State:	Not reported
Operator Zip:	Not reported
Operator Contact:	Not reported
Operator Contact Title:	Not reported
Operator Contact Phone:	Not reported
Operator Contact Phone Ext:	Not reported
Operator Contact Email:	Not reported
Operator Type:	Not reported
Developer:	Not reported
Developer Address:	Not reported
Developer City:	Not reported
Developer State:	Not reported
Developer Zip:	Not reported
Developer Contact:	Not reported
Developer Contact Title:	Not reported
Constype Linear Utility Ind:	Not reported
Emergency Phone:	Not reported
Emergency Phone Ext:	Not reported
Constype Above Ground Ind:	Not reported
Constype Below Ground Ind:	Not reported
Constype Cable Line Ind:	Not reported
Constype Comm Line Ind:	Not reported
Constype Commertial Ind:	Not reported
Constype Electrical Line Ind:	Not reported
Constype Gas Line Ind:	Not reported
Constype Industrial Ind:	Not reported
Constype Other Description:	Not reported
Constype Other Ind:	Not reported
Constype Recons Ind:	Not reported
Constype Residential Ind:	Not reported
Constype Transport Ind:	Not reported
Constype Utility Description:	Not reported
Constype Utility Ind:	Not reported
Constype Water Sewer Ind:	Not reported
Dir Discharge Uswater Ind:	Not reported
Receiving Water Name:	Not reported
Certifier:	Not reported
Certifier Title:	Not reported
Certification Date:	Not reported
Primary Sic:	Not reported
Secondary Sic:	Not reported
Tertiary Sic:	Not reported

SAN DIEGO CO LOP:

Name:	EDCO WASTE & RECYCLING SERVICE
Address:	224 S LAS POSAS RD
City,State,Zip:	SAN MARCOS, CA 92069
Record ID:	DEH1998-LSAM-H10646-004
Record Status:	Completed
Opened Date:	09/09/1998
Parcel Number:	219-140-14-00
Case Type:	LOP - Local Oversight Program
Historical Name:	MASHBURN WASTE
SWRCB Global ID:	T0607302493
Funding:	S - LOP State Fund

SOLID WASTE SERVICES (Continued) **S104234424**

Lead Agency:	DEH/SAM
Lead Agency Date:	09/10/1998
Census Tract:	200.29
Community:	San Marcos
Jurisdiction:	SAN MARCOS
Watershed Basin Number:	904.52
Water Purveyor:	VALLECITOS WATER DISTRICT
Fire Agency:	SAN MARCOS FIRE PROT DIST
Latitude:	33.1421191
Longitude:	-117.1927671
X MapCoord:	6273099.506
Y MapCoord:	1996663.820

Name:	EDCO WASTE & RECYCLING SERVICE
Address:	224 S LAS POSAS RD
City,State,Zip:	SAN MARCOS, CA 92069
Record ID:	DEH1991-LSAM-H10646-002
Record Status:	Completed
Opened Date:	12/18/1991
Parcel Number:	219-140-14-00
Case Type:	FIT - Failed Integrity Test
Historical Name:	SOILD WASTE SERVICES INC.
SWRCB Global ID:	T0608184522
Funding:	N - Non-Billable
Lead Agency:	DEH/SAM
Lead Agency Date:	12/18/1991
Census Tract:	200.29
Community:	San Marcos
Jurisdiction:	SAN MARCOS
Watershed Basin Number:	904.52
Water Purveyor:	VALLECITOS WATER DISTRICT
Fire Agency:	SAN MARCOS FIRE PROT DIST
Latitude:	33.1421191
Longitude:	-117.1927671
X MapCoord:	6273099.506
Y MapCoord:	1996663.820

Name:	EDCO WASTE & RECYCLING SERVICE
Address:	224 S LAS POSAS RD
City,State,Zip:	SAN MARCOS, CA 92069
Record ID:	DEH1989-LSAM-H10646-001
Record Status:	Completed
Opened Date:	05/18/1989
Parcel Number:	219-140-14-00
Case Type:	LOP - Local Oversight Program
Historical Name:	MASHBURN SANITATION
SWRCB Global ID:	T0607300258
Funding:	F - LOP Federal Fund
Lead Agency:	DEH/SAM
Lead Agency Date:	05/18/1989
Census Tract:	200.29
Community:	San Marcos
Jurisdiction:	SAN MARCOS
Watershed Basin Number:	904.52
Water Purveyor:	VALLECITOS WATER DISTRICT
Fire Agency:	SAN MARCOS FIRE PROT DIST
Latitude:	33.1421191

SOLID WASTE SERVICES (Continued) **S104234424**

Longitude:	-117.1927671
X MapCoord:	6273099.506
Y MapCoord:	1996663.820
Name:	EDCO WASTE & RECYCLING SERVICE
Address:	224 S LAS POSAS RD
City,State,Zip:	SAN MARCOS, CA 92069
Record ID:	DEH1992-LSAM-H10646-003
Record Status:	Completed
Opened Date:	09/09/1992
Parcel Number:	219-140-14-00
Case Type:	LOP - Local Oversight Program
Historical Name:	MASHBURN SANITAION CO
SWRCB Global ID:	T0607301051
Funding:	F - LOP Federal Fund
Lead Agency:	DEH/SAM
Lead Agency Date:	09/28/1992
Census Tract:	200.29
Community:	San Marcos
Jurisdiction:	SAN MARCOS
Watershed Basin Number:	904.52
Water Purveyor:	VALLECITOS WATER DISTRICT
Fire Agency:	SAN MARCOS FIRE PROT DIST
Latitude:	33.1421191
Longitude:	-117.1927671
X MapCoord:	6273099.506
Y MapCoord:	1996663.820

CIWQS:

Name:	EDCO WASTE & RECYCLING SERVICES
Address:	224 S LAS POSAS RD
City,State,Zip:	SAN MARCOS, CA 92078
Agency:	EDCO Waste Recycling
Agency Address:	224 S Las Posas Rd, San Marcos, CA 92078
Place/Project Type:	Industrial - Refuse Systems
SIC/NAICS:	4953
Region:	9
Program:	INDSTW
Regulatory Measure Status:	Active
Regulatory Measure Type:	Storm water industrial
Order Number:	2014-0057-DWQ
WDID:	9 37I000430
NPDES Number:	CAS000001
Adoption Date:	Not reported
Effective Date:	03/13/1992
Termination Date:	Not reported
Expiration/Review Date:	Not reported
Design Flow:	Not reported
Major/Minor:	Not reported
Complexity:	Not reported
TTWQ:	Not reported
Enforcement Actions within 5 years:	0
Violations within 5 years:	0
Latitude:	33.14148
Longitude:	-117.1924

SOLID WASTE SERVICES (Continued) **S104234424**

CERS:
Name: EDCO WASTE & RECYCLING SERVICE
Address: 224 S LAS POSAS RD
City,State,Zip: SAN MARCOS, CA 92078
Site ID: 27461
CERS ID: 10375948
CERS Description: Chemical Storage Facilities

Violations:
Site ID: 27461
Site Name: EDCO WASTE & RECYCLING SERVICE
Violation Date: 01-30-2014
Citation: HSC 6.75 25299.30-25299.34 - California Health and Safety Code, Chapter 6.75, Section(s) 25299.30-25299.34
Violation Description: Failure to submit and maintain complete and current Certification of Financial Responsibility or other mechanism of financial assurance.
Violation Notes: Returned to compliance on 02/11/2014. Inspection Sequence ID:4902383;Tank ID:20866;Violation Description:Failure to submit and maintain complete and current Certification of Financial Responsibility or other mechanism of financial assurance. 23 CCR 16 2711; 23 CCR 18 2808.1, 2809-2809.2; HSC 6.7 25292.2; HSC 6.75 25299.30-25299.34
Violation Division: San Diego County Department of Env Health
Violation Program: UST
Violation Source: CERS,

Site ID: 27461
Site Name: EDCO WASTE & RECYCLING SERVICE
Violation Date: 08-25-2021
Citation: 22 CCR 11 66261.7 - California Code of Regulations, Title 22, Chapter 11, Section(s) 66261.7
Violation Description: Failure to manage empty containers greater than 5 gallons in capacity that previously held a hazardous material/waste in accordance with 22 CCR 11 66261.7 including but not limited to the following: (e)(2)By reclaiming its scrap value onsite or shipping the container or inner liner to a person who reclaims its scrap value; or (3) By reconditioning or re manufacturing the container or inner liner onsite for subsequent reuse, or shipping the container or inner liner to a person who reconditions or re-manufactures the container or inner liner; or (4) By shipping the container or inner liner to a supplier or to another intermediate collection location for accumulation prior to managing the container or inner liner pursuant to subsections (e)(2) or (e)(3) of 22 CCR 11 66261.7; or (i) By shipping the container or inner liner back to the supplier for the purpose of being refilled. (f) A container or an inner liner removed from a container larger than five gallons in capacity which is managed pursuant to subsection (e) of 22 CCR 11 66261.7 shall be marked with the date it has been emptied and shall be managed within one year of being emptied.
Violation Notes: Returned to compliance on 09/23/2021. Inspection Sequence ID:6801228
Violation Division: San Diego County Department of Env Health
Violation Program: HW
Violation Source: CERS,

Site ID: 27461
Site Name: EDCO WASTE & RECYCLING SERVICE
Violation Date: 01-25-2017

SOLID WASTE SERVICES (Continued) **S104234424**

Citation:	22 CCR 15 66265.192(a) - California Code of Regulations, Title 22, Chapter 15, Section(s) 66265.192(a)
Violation Description:	Failure to obtain and maintain a written assessment reviewed and certified by an independent, qualified, professional engineer prior to placing the tank system in service. The written assessment shall state that, the new hazardous waste tank system has sufficient structural integrity, is acceptable for the transferring, storing and treating of hazardous waste, and that the tanks and containment system including the foundation, structural support, seams, connections, and pressure controls (if applicable) are suitably designed to meet the regulation.
Violation Notes:	Returned to compliance on 02/17/2017.
Violation Division:	San Diego County Department of Env Health
Violation Program:	HW
Violation Source:	CERS,
Site ID:	27461
Site Name:	EDCO WASTE & RECYCLING SERVICE
Violation Date:	01-30-2015
Citation:	23 CCR 16 2632, 2634, 2636, 2666 - California Code of Regulations, Title 23, Chapter 16, Section(s) 2632, 2634, 2636, 2666
Violation Description:	Failure of the leak detection equipment to have an audible and visual alarm as required.
Violation Notes:	Returned to compliance on 01/30/2015.
Violation Division:	San Diego County Department of Env Health
Violation Program:	UST
Violation Source:	CERS,
Site ID:	27461
Site Name:	EDCO WASTE & RECYCLING SERVICE
Violation Date:	01-30-2014
Citation:	22 CCR 15 66265.173 - California Code of Regulations, Title 22, Chapter 15, Section(s) 66265.173
Violation Description:	Failure to properly close hazardous waste containers when not in active use.
Violation Notes:	Returned to compliance on 02/11/2014. Inspection Sequence ID:4902383
Violation Division:	San Diego County Department of Env Health
Violation Program:	HW
Violation Source:	CERS,
Site ID:	27461
Site Name:	EDCO WASTE & RECYCLING SERVICE
Violation Date:	01-26-2016
Citation:	23 CCR 16 2665 - California Code of Regulations, Title 23, Chapter 16, Section(s) 2665
Violation Description:	Failure of the overfill prevention system to meet one of the following requirements: 1. Alert the transfer operator when the tank is 90 percent full by restricting the flow into the tank or triggering an audible and visual alarm; or 2. Restrict delivery of flow to the tank at least 30 minutes before the tank overfills, provided the restriction occurs when the tank is filled to no more than 95 percent of capacity; and activate an audible alarm at least five minutes before the tank overfills; or 3. Provide positive shut-off of flow to the tank when the tank is filled to no more than 95 percent of capacity; or 4. Provide positive shut-off of flow to the tank so that none of the fittings located on the top of the tank are exposed to product due to overfilling.
Violation Notes:	Returned to compliance on 01/26/2016.

SOLID WASTE SERVICES (Continued) **S104234424**

Violation Division: San Diego County Department of Env Health
Violation Program: UST
Violation Source: CERS,

Site ID: 27461
Site Name: EDCO WASTE & RECYCLING SERVICE
Violation Date: 01-30-2014
Citation: HSC 6.67 Multiple - California Health and Safety Code, Chapter 6.67, Section(s) Multiple
Violation Description: Haz Waste Generator Program - Operations/Maintenance - General
Violation Notes: Returned to compliance on 02/11/2014. Inspection Sequence ID:4902383;Violation:HMD0235 Did not accumulate waste in container or tank. 66262.34(a)(1).
Violation Division: San Diego County Department of Env Health
Violation Program: HW
Violation Source: CERS,

Site ID: 27461
Site Name: EDCO WASTE & RECYCLING SERVICE
Violation Date: 08-25-2021
Citation: 22 CCR 15 66265.173 - California Code of Regulations, Title 22, Chapter 15, Section(s) 66265.173
Violation Description: Failure to meet the following container management requirements: (a) A container holding hazardous waste must always be closed during storage, except when it is necessary to add or remove waste. (b) A container holding hazardous waste must not be opened, handled, or stored in a manner which may rupture the container or cause it to leak.
Violation Notes: Returned to compliance on 09/23/2021. Inspection Sequence ID:6801228
Violation Division: San Diego County Department of Env Health
Violation Program: HW
Violation Source: CERS,

Site ID: 27461
Site Name: EDCO WASTE & RECYCLING SERVICE
Violation Date: 01-30-2014
Citation: HSC 6.67 Multiple - California Health and Safety Code, Chapter 6.67, Section(s) Multiple
Violation Description: Haz Waste Generator Program - Administration/Documentation - General
Violation Notes: Returned to compliance on 02/11/2014. Inspection Sequence ID:4902383;Violation:HMD0138 Manifest signed by the Treatment, Storage, Disposal Facility (TSDF) not available for inspection. 66262.40(a).
Violation Division: San Diego County Department of Env Health
Violation Program: HW
Violation Source: CERS,

Site ID: 27461
Site Name: EDCO WASTE & RECYCLING SERVICE
Violation Date: 01-25-2017
Citation: HSC 6.67 25270.4.5(a) - California Health and Safety Code, Chapter 6.67, Section(s) 25270.4.5(a)
Violation Description: Failure to adequately discuss in the SPCC Plan facility drainage or drainage controls such as secondary containment around containers and other structures, equipment, and procedures for the control of a discharge.
Violation Notes: Returned to compliance on 02/13/2017.

SOLID WASTE SERVICES (Continued) **S104234424**

Violation Division: San Diego County Department of Env Health
Violation Program: APSA
Violation Source: CERS,

Site ID: 27461
Site Name: EDCO WASTE & RECYCLING SERVICE
Violation Date: 01-26-2016
Citation: 23 CCR 16 2715(f) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2715(f)
Violation Description: Failure to comply with one or more of the following: provide training to facility employee(s) responsible for proper operation and maintenance every 12 months and/or train new employee(s) who are responsible for proper operation and maintenance within 30-days of hire and/or to have at least one employee present during operating hours that has been trained in the proper operation and maintenance of the UST system.
Violation Notes: Returned to compliance on 01/29/2016.
Violation Division: San Diego County Department of Env Health
Violation Program: UST
Violation Source: CERS,

Site ID: 27461
Site Name: EDCO WASTE & RECYCLING SERVICE
Violation Date: 01-25-2017
Citation: 22 CCR 15 66265.193 - California Code of Regulations, Title 22, Chapter 15, Section(s) 66265.193
Violation Description: Failure to meet required secondary containment requirements for hazardous waste tank systems or components.
Violation Notes: Returned to compliance on 02/17/2017.
Violation Division: San Diego County Department of Env Health
Violation Program: HW
Violation Source: CERS,

Site ID: 27461
Site Name: EDCO WASTE & RECYCLING SERVICE
Violation Date: 01-23-2018
Citation: HSC 6.95 25508.1(a)-(f) - California Health and Safety Code, Chapter 6.95, Section(s) 25508.1(a)-(f)
Violation Description: Failure to electronically update business plan within 30 days of any one of the following events: A 100 percent or more increase in the quantity of a previously disclosed material. Any handling of a previously undisclosed hazardous materials at or above reportable quantities. A change of business address, business ownership, or business name. A substantial change in the handler's operations that requires modification to any portion of the business plan.
Violation Notes: Returned to compliance on 02/02/2018.
Violation Division: San Diego County Department of Env Health
Violation Program: HMRRP
Violation Source: CERS,

Site ID: 27461
Site Name: EDCO WASTE & RECYCLING SERVICE
Violation Date: 01-30-2014
Citation: 22 CCR 15 66265.195(a) - California Code of Regulations, Title 22, Chapter 15, Section(s) 66265.195(a)
Violation Description: Failure of the owner or operator to conduct inspections and maintain inspection records at the facility of the following tank equipment: 1)

SOLID WASTE SERVICES (Continued) **S104234424**

	Overfill/spill control equipment (e.g., waste-feed cutoff systems, bypass systems, and drainage systems) to ensure that it is in good working order; 2) The aboveground portions of the tank system, if any, to detect corrosion or releases of waste; 3) Data gathered from monitoring equipment and leak-detection equipment, (e.g., pressure and temperature gauges, monitoring wells) to ensure that the tank system is being operated according to its design; 4) The construction materials and the area immediately surrounding the externally accessible portion of the tank system including secondary containment structures (e.g., dikes) to detect erosion or signs of releases of hazardous waste (e.g., wet spots, dead vegetation); and 5) For uncovered tanks, the level of waste in the tank, to ensure compliance with section 66265.194(b)(3).
Violation Notes:	Returned to compliance on 02/11/2014. Inspection Sequence ID:4902383
Violation Division:	San Diego County Department of Env Health
Violation Program:	HW
Violation Source:	CERS,
Site ID:	27461
Site Name:	EDCO WASTE & RECYCLING SERVICE
Violation Date:	01-25-2017
Citation:	HSC 6.67 25270.4.5(a) - California Health and Safety Code, Chapter 6.67, Section(s) 25270.4.5(a)
Violation Description:	"Failure to amend the SPCC Plan within 6 months: 1. When the facility has had a change in design, construction, operation, or maintenance which affects the facility s discharge potential. AND/OR 2. To include more effective proven technology at the time of the 5-year SPCC Plan review and evaluation."
Violation Notes:	Returned to compliance on 02/15/2017.
Violation Division:	San Diego County Department of Env Health
Violation Program:	APSA
Violation Source:	CERS,
Site ID:	27461
Site Name:	EDCO WASTE & RECYCLING SERVICE
Violation Date:	08-25-2021
Citation:	22 CCR 12 66262.34(f) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.34(f)
Violation Description:	Failure to properly label hazardous waste accumulation containers with the following requirements: "Hazardous Waste", name and address of the generator, physical and chemical characteristics of the Hazardous Waste, and starting accumulation date.
Violation Notes:	Returned to compliance on 09/23/2021. Inspection Sequence ID:6801228
Violation Division:	San Diego County Department of Env Health
Violation Program:	HW
Violation Source:	CERS,
Site ID:	27461
Site Name:	EDCO WASTE & RECYCLING SERVICE
Violation Date:	01-26-2016
Citation:	22 CCR 12 66262.34(f) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.34(f)
Violation Description:	Failure to properly label hazardous waste accumulation containers with the following requirements: "Hazardous Waste", name and address of the generator, physical and chemical characteristics of the Hazardous Waste, and starting accumulation date.
Violation Notes:	Returned to compliance on 01/26/2016.

SOLID WASTE SERVICES (Continued) **S104234424**

Violation Division: San Diego County Department of Env Health
Violation Program: HW
Violation Source: CERS,

Site ID: 27461
Site Name: EDCO WASTE & RECYCLING SERVICE
Violation Date: 08-25-2021
Citation: 22 CCR 15 66265.172 - California Code of Regulations, Title 22, Chapter 15, Section(s) 66265.172
Violation Description: Failure to accumulate or store hazardous waste in container made of or lined with materials which will not react with, and are otherwise compatible with, the hazardous waste to be stored, so that the ability of the container to contain the waste is not impaired.
Violation Notes: Returned to compliance on 09/10/2021. Inspection Sequence ID:6801228
Violation Division: San Diego County Department of Env Health
Violation Program: HW
Violation Source: CERS,

Evaluation:
Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-23-2018
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Inspector: Calcagno Leonardo Inspection ID:5811950
Eval Division: San Diego County Department of Env Health
Eval Program: APSA
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-23-2018
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Inspector: Calcagno Leonardo Inspection ID:5811950
Eval Division: San Diego County Department of Env Health
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-25-2017
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Inspector: Fitzmaurice Mark Inspection ID:5646965
Eval Division: San Diego County Department of Env Health
Eval Program: APSA
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-25-2017
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Inspector: Fitzmaurice Mark Inspection ID:5646965
Eval Division: San Diego County Department of Env Health
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-26-2016

SOLID WASTE SERVICES (Continued) **S104234424**

Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Inspector: Calcagno Leonardo Inspection ID:5206915
Eval Division: San Diego County Department of Env Health
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-30-2014
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Inspector: Beacon Ellen Inspection ID:4902383
Eval Division: San Diego County Department of Env Health
Eval Program: UST
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-21-2021
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Inspector: Valdez Kevin Inspection ID:6408415
Eval Division: San Diego County Department of Env Health
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-23-2018
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Inspector: Calcagno Leonardo Inspection ID:5811950
Eval Division: San Diego County Department of Env Health
Eval Program: UST
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-23-2018
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Inspector: Calcagno Leonardo Inspection ID:5811950
Eval Division: San Diego County Department of Env Health
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-25-2017
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Inspector: Fitzmaurice Mark Inspection ID:5646965
Eval Division: San Diego County Department of Env Health
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-25-2017
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Inspector: Fitzmaurice Mark Inspection ID:5646965

SOLID WASTE SERVICES (Continued) **S104234424**

Eval Division: San Diego County Department of Env Health
Eval Program: UST
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-26-2016
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Inspector: Calcagno Leonardo Inspection ID:5206915
Eval Division: San Diego County Department of Env Health
Eval Program: APSA
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-26-2016
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Inspector: Calcagno Leonardo Inspection ID:5206915
Eval Division: San Diego County Department of Env Health
Eval Program: UST
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-30-2014
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Inspector: Beacon Ellen Inspection ID:4902383
Eval Division: San Diego County Department of Env Health
Eval Program: APSA
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 08-25-2021
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Inspector: Valdez Kevin Inspection ID:6801228
Eval Division: San Diego County Department of Env Health
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-26-2016
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Inspector: Calcagno Leonardo Inspection ID:5206915
Eval Division: San Diego County Department of Env Health
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-30-2014
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Inspector: Beacon Ellen Inspection ID:4902383
Eval Division: San Diego County Department of Env Health
Eval Program: HMRRP
Eval Source: CERS,

SOLID WASTE SERVICES (Continued) **S104234424**

Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-30-2014
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Inspector: Beacon Ellen Inspection ID:4902383
Eval Division: San Diego County Department of Env Health
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-30-2015
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Inspector: Oglesby Margaret Inspection ID:5158582
Eval Division: San Diego County Department of Env Health
Eval Program: UST
Eval Source: CERS,

Coordinates:
Site ID: 27461
Facility Name: EDCO WASTE & RECYCLING SERVICE
Env Int Type Code: HWG
Program ID: 10375948
Coord Name: Not reported
Ref Point Type Desc: Center of a facility or station.,
Latitude: 33.141400
Longitude: -117.193680

Affiliation:
Affiliation Type Desc: CUPA District
Entity Name: San Diego County Env Health Qlty
Entity Title: Not reported
Affiliation Address: PO Box 129261
Affiliation City: San Diego
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 92112-9261
Affiliation Phone: (858) 505-6880,

Affiliation Type Desc: Environmental Contact
Entity Name: Ricardo Osunabaez
Entity Title: Not reported
Affiliation Address: 224 S LAS POSAS RD
Affiliation City: SAN MARCOS
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 92078-2421
Affiliation Phone: ,

Affiliation Type Desc: Operator
Entity Name: EDCO WASTE & RECYCLING SVC, INC
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported

SOLID WASTE SERVICES (Continued) **S104234424**

Affiliation Zip: Not reported
Affiliation Phone: (760) 744-5615,

Affiliation Type Desc: Parent Corporation
Entity Name: EDCO DISPOSAL CORPORATION
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Affiliation Type Desc: Property Owner
Entity Name: FEDERAL BOULEVARD PROPERTIES L
Entity Title: Not reported
Affiliation Address: 6670 FEDERAL BLVD
Affiliation City: LEMON GROVE
Affiliation State: CA
Affiliation Country: United States
Affiliation Zip: 91945
Affiliation Phone: (619) 287-7555,

Affiliation Type Desc: Document Preparer
Entity Name: Lucia Gomez
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Affiliation Type Desc: Identification Signer
Entity Name: Ricardo Osunabaez
Entity Title: EHS Director
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Affiliation Type Desc: Legal Owner
Entity Name: EDWARD BURR
Entity Title: Not reported
Affiliation Address: 224 S Las Posas Rd
Affiliation City: SAN MARCOS
Affiliation State: CA
Affiliation Country: United States
Affiliation Zip: 92078
Affiliation Phone: (619) 287-7555,

Affiliation Type Desc: Facility Mailing Address
Entity Name: Mailing Address
Entity Title: Not reported
Affiliation Address: 224 S LAS POSAS RD

SOLID WASTE SERVICES (Continued) **S104234424**

Affiliation City: SAN MARCOS
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 92078-2421
Affiliation Phone: ,

Name: EDCO WASTE & RECYCLING SERVICE
Address: 224 S LAS POSAS RD
City,State,Zip: SAN MARCOS, CA 92078
Site ID: 27461
CERS ID: T0607301051
CERS Description: Leaking Underground Storage Tank Cleanup Site

Violations:
Site ID: 27461
Site Name: EDCO WASTE & RECYCLING SERVICE
Violation Date: 01-30-2014
Citation: HSC 6.75 25299.30-25299.34 - California Health and Safety Code, Chapter 6.75, Section(s) 25299.30-25299.34
Violation Description: Failure to submit and maintain complete and current Certification of Financial Responsibility or other mechanism of financial assurance.
Violation Notes: Returned to compliance on 02/11/2014. Inspection Sequence ID:4902383;Tank ID:20866;Violation Description:Failure to submit and maintain complete and current Certification of Financial Responsibility or other mechanism of financial assurance. 23 CCR 16 2711; 23 CCR 18 2808.1, 2809-2809.2; HSC 6.7 25292.2; HSC 6.75 25299.30-25299.34
Violation Division: San Diego County Department of Env Health
Violation Program: UST
Violation Source: CERS,

Site ID: 27461
Site Name: EDCO WASTE & RECYCLING SERVICE
Violation Date: 08-25-2021
Citation: 22 CCR 11 66261.7 - California Code of Regulations, Title 22, Chapter 11, Section(s) 66261.7
Violation Description: Failure to manage empty containers greater than 5 gallons in capacity that previously held a hazardous material/waste in accordance with 22 CCR 11 66261.7 including but not limited to the following: (e)(2)By reclaiming its scrap value onsite or shipping the container or inner liner to a person who reclaims its scrap value; or (3) By reconditioning or re manufacturing the container or inner liner onsite for subsequent reuse, or shipping the container or inner liner to a person who reconditions or re-manufactures the container or inner liner; or (4) By shipping the container or inner liner to a supplier or to another intermediate collection location for accumulation prior to managing the container or inner liner pursuant to subsections (e)(2) or (e)(3) of 22 CCR 11 66261.7; or (i) By shipping the container or inner liner back to the supplier for the purpose of being refilled. (f) A container or an inner liner removed from a container larger than five gallons in capacity which is managed pursuant to subsection (e) of 22 CCR 11 66261.7 shall be marked with the date it has been emptied and shall be managed within one year of being emptied.
Violation Notes: Returned to compliance on 09/23/2021. Inspection Sequence ID:6801228
Violation Division: San Diego County Department of Env Health
Violation Program: HW

SOLID WASTE SERVICES (Continued) **S104234424**

Violation Source: CERS,

Site ID: 27461
Site Name: EDCO WASTE & RECYCLING SERVICE
Violation Date: 01-25-2017
Citation: 22 CCR 15 66265.192(a) - California Code of Regulations, Title 22, Chapter 15, Section(s) 66265.192(a)
Violation Description: Failure to obtain and maintain a written assessment reviewed and certified by an independent, qualified, professional engineer prior to placing the tank system in service. The written assessment shall state that, the new hazardous waste tank system has sufficient structural integrity, is acceptable for the transferring, storing and treating of hazardous waste, and that the tanks and containment system including the foundation, structural support, seams, connections, and pressure controls (if applicable) are suitably designed to meet the regulation.
Violation Notes: Returned to compliance on 02/17/2017.
Violation Division: San Diego County Department of Env Health
Violation Program: HW
Violation Source: CERS,

Site ID: 27461
Site Name: EDCO WASTE & RECYCLING SERVICE
Violation Date: 01-30-2015
Citation: 23 CCR 16 2632, 2634, 2636, 2666 - California Code of Regulations, Title 23, Chapter 16, Section(s) 2632, 2634, 2636, 2666
Violation Description: Failure of the leak detection equipment to have an audible and visual alarm as required.
Violation Notes: Returned to compliance on 01/30/2015.
Violation Division: San Diego County Department of Env Health
Violation Program: UST
Violation Source: CERS,

Site ID: 27461
Site Name: EDCO WASTE & RECYCLING SERVICE
Violation Date: 01-30-2014
Citation: 22 CCR 15 66265.173 - California Code of Regulations, Title 22, Chapter 15, Section(s) 66265.173
Violation Description: Failure to properly close hazardous waste containers when not in active use.
Violation Notes: Returned to compliance on 02/11/2014. Inspection Sequence ID:4902383
Violation Division: San Diego County Department of Env Health
Violation Program: HW
Violation Source: CERS,

Site ID: 27461
Site Name: EDCO WASTE & RECYCLING SERVICE
Violation Date: 01-26-2016
Citation: 23 CCR 16 2665 - California Code of Regulations, Title 23, Chapter 16, Section(s) 2665
Violation Description: Failure of the overfill prevention system to meet one of the following requirements: 1. Alert the transfer operator when the tank is 90 percent full by restricting the flow into the tank or triggering an audible and visual alarm; or 2. Restrict delivery of flow to the tank at least 30 minutes before the tank overfills, provided the restriction occurs when the tank is filled to no more than 95 percent of capacity; and activate an audible alarm at least five minutes before the tank overfills; or 3. Provide positive shut-off of flow to

SOLID WASTE SERVICES (Continued) **S104234424**

	the tank when the tank is filled to no more than 95 percent of capacity; or 4. Provide positive shut-off of flow to the tank so that none of the fittings located on the top of the tank are exposed to product due to overfilling.
Violation Notes:	Returned to compliance on 01/26/2016.
Violation Division:	San Diego County Department of Env Health
Violation Program:	UST
Violation Source:	CERS,
Site ID:	27461
Site Name:	EDCO WASTE & RECYCLING SERVICE
Violation Date:	01-30-2014
Citation:	HSC 6.67 Multiple - California Health and Safety Code, Chapter 6.67, Section(s) Multiple
Violation Description:	Haz Waste Generator Program - Operations/Maintenance - General
Violation Notes:	Returned to compliance on 02/11/2014. Inspection Sequence ID:4902383;Violation:HMD0235 Did not accumulate waste in container or tank. 66262.34(a)(1).
Violation Division:	San Diego County Department of Env Health
Violation Program:	HW
Violation Source:	CERS,
Site ID:	27461
Site Name:	EDCO WASTE & RECYCLING SERVICE
Violation Date:	08-25-2021
Citation:	22 CCR 15 66265.173 - California Code of Regulations, Title 22, Chapter 15, Section(s) 66265.173
Violation Description:	Failure to meet the following container management requirements: (a) A container holding hazardous waste must always be closed during storage, except when it is necessary to add or remove waste. (b) A container holding hazardous waste must not be opened, handled, or stored in a manner which may rupture the container or cause it to leak.
Violation Notes:	Returned to compliance on 09/23/2021. Inspection Sequence ID:6801228
Violation Division:	San Diego County Department of Env Health
Violation Program:	HW
Violation Source:	CERS,
Site ID:	27461
Site Name:	EDCO WASTE & RECYCLING SERVICE
Violation Date:	01-30-2014
Citation:	HSC 6.67 Multiple - California Health and Safety Code, Chapter 6.67, Section(s) Multiple
Violation Description:	Haz Waste Generator Program - Administration/Documentation - General
Violation Notes:	Returned to compliance on 02/11/2014. Inspection Sequence ID:4902383;Violation:HMD0138 Manifest signed by the Treatment, Storage, Disposal Facility (TSDF) not available for inspection. 66262.40(a).
Violation Division:	San Diego County Department of Env Health
Violation Program:	HW
Violation Source:	CERS,
Site ID:	27461
Site Name:	EDCO WASTE & RECYCLING SERVICE
Violation Date:	01-25-2017
Citation:	HSC 6.67 25270.4.5(a) - California Health and Safety Code, Chapter 6.67, Section(s) 25270.4.5(a)

SOLID WASTE SERVICES (Continued) **S104234424**

Violation Description: Failure to adequately discuss in the SPCC Plan facility drainage or drainage controls such as secondary containment around containers and other structures, equipment, and procedures for the control of a discharge.
Violation Notes: Returned to compliance on 02/13/2017.
Violation Division: San Diego County Department of Env Health
Violation Program: APSA
Violation Source: CERS,

Site ID: 27461
Site Name: EDCO WASTE & RECYCLING SERVICE
Violation Date: 01-26-2016
Citation: 23 CCR 16 2715(f) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2715(f)
Violation Description: Failure to comply with one or more of the following: provide training to facility employee(s) responsible for proper operation and maintenance every 12 months and/or train new employee(s) who are responsible for proper operation and maintenance within 30-days of hire and/or to have at least one employee present during operating hours that has been trained in the proper operation and maintenance of the UST system.
Violation Notes: Returned to compliance on 01/29/2016.
Violation Division: San Diego County Department of Env Health
Violation Program: UST
Violation Source: CERS,

Site ID: 27461
Site Name: EDCO WASTE & RECYCLING SERVICE
Violation Date: 01-25-2017
Citation: 22 CCR 15 66265.193 - California Code of Regulations, Title 22, Chapter 15, Section(s) 66265.193
Violation Description: Failure to meet required secondary containment requirements for hazardous waste tank systems or components.
Violation Notes: Returned to compliance on 02/17/2017.
Violation Division: San Diego County Department of Env Health
Violation Program: HW
Violation Source: CERS,

Site ID: 27461
Site Name: EDCO WASTE & RECYCLING SERVICE
Violation Date: 01-23-2018
Citation: HSC 6.95 25508.1(a)-(f) - California Health and Safety Code, Chapter 6.95, Section(s) 25508.1(a)-(f)
Violation Description: Failure to electronically update business plan within 30 days of any one of the following events: A 100 percent or more increase in the quantity of a previously disclosed material. Any handling of a previously undisclosed hazardous materials at or above reportable quantities. A change of business address, business ownership, or business name. A substantial change in the handler's operations that requires modification to any portion of the business plan.
Violation Notes: Returned to compliance on 02/02/2018.
Violation Division: San Diego County Department of Env Health
Violation Program: HMRRP
Violation Source: CERS,

Site ID: 27461
Site Name: EDCO WASTE & RECYCLING SERVICE

SOLID WASTE SERVICES (Continued) **S104234424**

Violation Date: 01-30-2014
Citation: 22 CCR 15 66265.195(a) - California Code of Regulations, Title 22, Chapter 15, Section(s) 66265.195(a)
Violation Description: Failure of the owner or operator to conduct inspections and maintain inspection records at the facility of the following tank equipment: 1) Overfill/spill control equipment (e.g., waste-feed cutoff systems, bypass systems, and drainage systems) to ensure that it is in good working order; 2) The aboveground portions of the tank system, if any, to detect corrosion or releases of waste; 3) Data gathered from monitoring equipment and leak-detection equipment, (e.g., pressure and temperature gauges, monitoring wells) to ensure that the tank system is being operated according to its design; 4) The construction materials and the area immediately surrounding the externally accessible portion of the tank system including secondary containment structures (e.g., dikes) to detect erosion or signs of releases of hazardous waste (e.g., wet spots, dead vegetation); and 5) For uncovered tanks, the level of waste in the tank, to ensure compliance with section 66265.194(b)(3).
Violation Notes: Returned to compliance on 02/11/2014. Inspection Sequence ID:4902383
Violation Division: San Diego County Department of Env Health
Violation Program: HW
Violation Source: CERS,

Site ID: 27461
Site Name: EDCO WASTE & RECYCLING SERVICE
Violation Date: 01-25-2017
Citation: HSC 6.67 25270.4.5(a) - California Health and Safety Code, Chapter 6.67, Section(s) 25270.4.5(a)
Violation Description: "Failure to amend the SPCC Plan within 6 months: 1. When the facility has had a change in design, construction, operation, or maintenance which affects the facility s discharge potential. AND/OR 2. To include more effective proven technology at the time of the 5-year SPCC Plan review and evaluation."
Violation Notes: Returned to compliance on 02/15/2017.
Violation Division: San Diego County Department of Env Health
Violation Program: APSA
Violation Source: CERS,

Site ID: 27461
Site Name: EDCO WASTE & RECYCLING SERVICE
Violation Date: 08-25-2021
Citation: 22 CCR 12 66262.34(f) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.34(f)
Violation Description: Failure to properly label hazardous waste accumulation containers with the following requirements: "Hazardous Waste", name and address of the generator, physical and chemical characteristics of the Hazardous Waste, and starting accumulation date.
Violation Notes: Returned to compliance on 09/23/2021. Inspection Sequence ID:6801228
Violation Division: San Diego County Department of Env Health
Violation Program: HW
Violation Source: CERS,

Site ID: 27461
Site Name: EDCO WASTE & RECYCLING SERVICE
Violation Date: 01-26-2016
Citation: 22 CCR 12 66262.34(f) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.34(f)

SOLID WASTE SERVICES (Continued) **S104234424**

Violation Description: Failure to properly label hazardous waste accumulation containers with the following requirements: "Hazardous Waste", name and address of the generator, physical and chemical characteristics of the Hazardous Waste, and starting accumulation date.
Violation Notes: Returned to compliance on 01/26/2016.
Violation Division: San Diego County Department of Env Health
Violation Program: HW
Violation Source: CERS,

Site ID: 27461
Site Name: EDCO WASTE & RECYCLING SERVICE
Violation Date: 08-25-2021
Citation: 22 CCR 15 66265.172 - California Code of Regulations, Title 22, Chapter 15, Section(s) 66265.172
Violation Description: Failure to accumulate or store hazardous waste in container made of or lined with materials which will not react with, and are otherwise compatible with, the hazardous waste to be stored, so that the ability of the container to contain the waste is not impaired.
Violation Notes: Returned to compliance on 09/10/2021. Inspection Sequence ID:6801228
Violation Division: San Diego County Department of Env Health
Violation Program: HW
Violation Source: CERS,

Evaluation:
Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-23-2018
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Inspector: Calcagno Leonardo Inspection ID:5811950
Eval Division: San Diego County Department of Env Health
Eval Program: APSA
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-23-2018
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Inspector: Calcagno Leonardo Inspection ID:5811950
Eval Division: San Diego County Department of Env Health
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-25-2017
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Inspector: Fitzmaurice Mark Inspection ID:5646965
Eval Division: San Diego County Department of Env Health
Eval Program: APSA
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-25-2017
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Inspector: Fitzmaurice Mark Inspection ID:5646965
Eval Division: San Diego County Department of Env Health

SOLID WASTE SERVICES (Continued) **S104234424**

Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-26-2016
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Inspector: Calcagno Leonardo Inspection ID:5206915
Eval Division: San Diego County Department of Env Health
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-30-2014
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Inspector: Beacon Ellen Inspection ID:4902383
Eval Division: San Diego County Department of Env Health
Eval Program: UST
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-21-2021
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Inspector: Valdez Kevin Inspection ID:6408415
Eval Division: San Diego County Department of Env Health
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-23-2018
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Inspector: Calcagno Leonardo Inspection ID:5811950
Eval Division: San Diego County Department of Env Health
Eval Program: UST
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-23-2018
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Inspector: Calcagno Leonardo Inspection ID:5811950
Eval Division: San Diego County Department of Env Health
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-25-2017
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Inspector: Fitzmaurice Mark Inspection ID:5646965
Eval Division: San Diego County Department of Env Health
Eval Program: HMRRP
Eval Source: CERS,

SOLID WASTE SERVICES (Continued) **S104234424**

Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-25-2017
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Inspector: Fitzmaurice Mark Inspection ID:5646965
Eval Division: San Diego County Department of Env Health
Eval Program: UST
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-26-2016
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Inspector: Calcagno Leonardo Inspection ID:5206915
Eval Division: San Diego County Department of Env Health
Eval Program: APSA
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-26-2016
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Inspector: Calcagno Leonardo Inspection ID:5206915
Eval Division: San Diego County Department of Env Health
Eval Program: UST
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-30-2014
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Inspector: Beacon Ellen Inspection ID:4902383
Eval Division: San Diego County Department of Env Health
Eval Program: APSA
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 08-25-2021
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Inspector: Valdez Kevin Inspection ID:6801228
Eval Division: San Diego County Department of Env Health
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-26-2016
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Inspector: Calcagno Leonardo Inspection ID:5206915
Eval Division: San Diego County Department of Env Health
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-30-2014
Violations Found: No

SOLID WASTE SERVICES (Continued) **S104234424**

Eval Type:	Routine done by local agency
Eval Notes:	Inspector: Beacon Ellen Inspection ID:4902383
Eval Division:	San Diego County Department of Env Health
Eval Program:	HMRRP
Eval Source:	CERS,
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	01-30-2014
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Inspector: Beacon Ellen Inspection ID:4902383
Eval Division:	San Diego County Department of Env Health
Eval Program:	HW
Eval Source:	CERS,
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	01-30-2015
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Inspector: Oglesby Margaret Inspection ID:5158582
Eval Division:	San Diego County Department of Env Health
Eval Program:	UST
Eval Source:	CERS,

Coordinates:

Site ID:	27461
Facility Name:	EDCO WASTE & RECYCLING SERVICE
Env Int Type Code:	HWG
Program ID:	10375948
Coord Name:	Not reported
Ref Point Type Desc:	Center of a facility or station.,
Latitude:	33.141400
Longitude:	-117.193680

Affiliation:

Affiliation Type Desc:	CUPA District
Entity Name:	San Diego County Env Health Qlty
Entity Title:	Not reported
Affiliation Address:	PO Box 129261
Affiliation City:	San Diego
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92112-9261
Affiliation Phone:	(858) 505-6880,
Affiliation Type Desc:	Environmental Contact
Entity Name:	Ricardo Osunabaez
Entity Title:	Not reported
Affiliation Address:	224 S LAS POSAS RD
Affiliation City:	SAN MARCOS
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92078-2421
Affiliation Phone:	,
Affiliation Type Desc:	Operator

SOLID WASTE SERVICES (Continued) **S104234424**

Entity Name: EDCO WASTE & RECYCLING SVC, INC
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: (760) 744-5615,

Affiliation Type Desc: Parent Corporation
Entity Name: EDCO DISPOSAL CORPORATION
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Affiliation Type Desc: Property Owner
Entity Name: FEDERAL BOULEVARD PROPERTIES L
Entity Title: Not reported
Affiliation Address: 6670 FEDERAL BLVD
Affiliation City: LEMON GROVE
Affiliation State: CA
Affiliation Country: United States
Affiliation Zip: 91945
Affiliation Phone: (619) 287-7555,

Affiliation Type Desc: Document Preparer
Entity Name: Lucia Gomez
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Affiliation Type Desc: Identification Signer
Entity Name: Ricardo Osunabaez
Entity Title: EHS Director
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Affiliation Type Desc: Legal Owner
Entity Name: EDWARD BURR
Entity Title: Not reported
Affiliation Address: 224 S Las Posas Rd
Affiliation City: SAN MARCOS
Affiliation State: CA
Affiliation Country: United States
Affiliation Zip: 92078

SOLID WASTE SERVICES (Continued) **S104234424**

Affiliation Phone: (619) 287-7555,

Affiliation Type Desc: Facility Mailing Address
Entity Name: Mailing Address
Entity Title: Not reported
Affiliation Address: 224 S LAS POSAS RD
Affiliation City: SAN MARCOS
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 92078-2421
Affiliation Phone: ,

Name: EDCO WASTE & RECYCLING SERVICE
Address: 224 S LAS POSAS RD
City,State,Zip: SAN MARCOS, CA 92078
Site ID: 27461
CERS ID: T0607302493
CERS Description: Leaking Underground Storage Tank Cleanup Site

Violations:
Site ID: 27461
Site Name: EDCO WASTE & RECYCLING SERVICE
Violation Date: 01-30-2014
Citation: HSC 6.75 25299.30-25299.34 - California Health and Safety Code, Chapter 6.75, Section(s) 25299.30-25299.34
Violation Description: Failure to submit and maintain complete and current Certification of Financial Responsibility or other mechanism of financial assurance.
Violation Notes: Returned to compliance on 02/11/2014. Inspection Sequence ID:4902383;Tank ID:20866;Violation Description:Failure to submit and maintain complete and current Certification of Financial Responsibility or other mechanism of financial assurance. 23 CCR 16 2711; 23 CCR 18 2808.1, 2809-2809.2; HSC 6.7 25292.2; HSC 6.75 25299.30-25299.34
Violation Division: San Diego County Department of Env Health
Violation Program: UST
Violation Source: CERS,

Site ID: 27461
Site Name: EDCO WASTE & RECYCLING SERVICE
Violation Date: 08-25-2021
Citation: 22 CCR 11 66261.7 - California Code of Regulations, Title 22, Chapter 11, Section(s) 66261.7
Violation Description: Failure to manage empty containers greater than 5 gallons in capacity that previously held a hazardous material/waste in accordance with 22 CCR 11 66261.7 including but not limited to the following: (e)(2)By reclaiming its scrap value onsite or shipping the container or inner liner to a person who reclaims its scrap value; or (3) By reconditioning or re manufacturing the container or inner liner onsite for subsequent reuse, or shipping the container or inner liner to a person who reconditions or re-manufactures the container or inner liner; or (4) By shipping the container or inner liner to a supplier or to another intermediate collection location for accumulation prior to managing the container or inner liner pursuant to subsections (e)(2) or (e)(3) of 22 CCR 11 66261.7; or (i) By shipping the container or inner liner back to the supplier for the purpose of being refilled. (f) A container or an inner liner removed from a container larger than five gallons in capacity which is managed pursuant to

SOLID WASTE SERVICES (Continued) **S104234424**

	subsection (e) of 22 CCR 11 66261.7 shall be marked with the date it has been emptied and shall be managed within one year of being emptied.
Violation Notes:	Returned to compliance on 09/23/2021. Inspection Sequence ID:6801228
Violation Division:	San Diego County Department of Env Health
Violation Program:	HW
Violation Source:	CERS,
Site ID:	27461
Site Name:	EDCO WASTE & RECYCLING SERVICE
Violation Date:	01-25-2017
Citation:	22 CCR 15 66265.192(a) - California Code of Regulations, Title 22, Chapter 15, Section(s) 66265.192(a)
Violation Description:	Failure to obtain and maintain a written assessment reviewed and certified by an independent, qualified, professional engineer prior to placing the tank system in service. The written assessment shall state that, the new hazardous waste tank system has sufficient structural integrity, is acceptable for the transferring, storing and treating of hazardous waste, and that the tanks and containment system including the foundation, structural support, seams, connections, and pressure controls (if applicable) are suitably designed to meet the regulation.
Violation Notes:	Returned to compliance on 02/17/2017.
Violation Division:	San Diego County Department of Env Health
Violation Program:	HW
Violation Source:	CERS,
Site ID:	27461
Site Name:	EDCO WASTE & RECYCLING SERVICE
Violation Date:	01-30-2015
Citation:	23 CCR 16 2632, 2634, 2636, 2666 - California Code of Regulations, Title 23, Chapter 16, Section(s) 2632, 2634, 2636, 2666
Violation Description:	Failure of the leak detection equipment to have an audible and visual alarm as required.
Violation Notes:	Returned to compliance on 01/30/2015.
Violation Division:	San Diego County Department of Env Health
Violation Program:	UST
Violation Source:	CERS,
Site ID:	27461
Site Name:	EDCO WASTE & RECYCLING SERVICE
Violation Date:	01-30-2014
Citation:	22 CCR 15 66265.173 - California Code of Regulations, Title 22, Chapter 15, Section(s) 66265.173
Violation Description:	Failure to properly close hazardous waste containers when not in active use.
Violation Notes:	Returned to compliance on 02/11/2014. Inspection Sequence ID:4902383
Violation Division:	San Diego County Department of Env Health
Violation Program:	HW
Violation Source:	CERS,
Site ID:	27461
Site Name:	EDCO WASTE & RECYCLING SERVICE
Violation Date:	01-26-2016
Citation:	23 CCR 16 2665 - California Code of Regulations, Title 23, Chapter 16, Section(s) 2665
Violation Description:	Failure of the overfill prevention system to meet one of the following requirements: 1. Alert the transfer operator when the tank is 90

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	percent full by restricting the flow into the tank or triggering an audible and visual alarm; or 2. Restrict delivery of flow to the tank at least 30 minutes before the tank overfills, provided the restriction occurs when the tank is filled to no more than 95 percent of capacity; and activate an audible alarm at least five minutes before the tank overfills; or 3. Provide positive shut-off of flow to the tank when the tank is filled to no more than 95 percent of capacity; or 4. Provide positive shut-off of flow to the tank so that none of the fittings located on the top of the tank are exposed to product due to overfilling.
Violation Notes:	Returned to compliance on 01/26/2016.
Violation Division:	San Diego County Department of Env Health
Violation Program:	UST
Violation Source:	CERS,
Site ID:	27461
Site Name:	EDCO WASTE & RECYCLING SERVICE
Violation Date:	01-30-2014
Citation:	HSC 6.67 Multiple - California Health and Safety Code, Chapter 6.67, Section(s) Multiple
Violation Description:	Haz Waste Generator Program - Operations/Maintenance - General
Violation Notes:	Returned to compliance on 02/11/2014. Inspection Sequence ID:4902383;Violation:HMD0235 Did not accumulate waste in container or tank. 66262.34(a)(1).
Violation Division:	San Diego County Department of Env Health
Violation Program:	HW
Violation Source:	CERS,
Site ID:	27461
Site Name:	EDCO WASTE & RECYCLING SERVICE
Violation Date:	08-25-2021
Citation:	22 CCR 15 66265.173 - California Code of Regulations, Title 22, Chapter 15, Section(s) 66265.173
Violation Description:	Failure to meet the following container management requirements: (a) A container holding hazardous waste must always be closed during storage, except when it is necessary to add or remove waste. (b) A container holding hazardous waste must not be opened, handled, or stored in a manner which may rupture the container or cause it to leak.
Violation Notes:	Returned to compliance on 09/23/2021. Inspection Sequence ID:6801228
Violation Division:	San Diego County Department of Env Health
Violation Program:	HW
Violation Source:	CERS,
Site ID:	27461
Site Name:	EDCO WASTE & RECYCLING SERVICE
Violation Date:	01-30-2014
Citation:	HSC 6.67 Multiple - California Health and Safety Code, Chapter 6.67, Section(s) Multiple
Violation Description:	Haz Waste Generator Program - Administration/Documentation - General
Violation Notes:	Returned to compliance on 02/11/2014. Inspection Sequence ID:4902383;Violation:HMD0138 Manifest signed by the Treatment, Storage, Disposal Facility (TSDF) not available for inspection. 66262.40(a).
Violation Division:	San Diego County Department of Env Health
Violation Program:	HW
Violation Source:	CERS,

SOLID WASTE SERVICES (Continued) **S104234424**

Site ID: 27461
Site Name: EDCO WASTE & RECYCLING SERVICE
Violation Date: 01-25-2017
Citation: HSC 6.67 25270.4.5(a) - California Health and Safety Code, Chapter 6.67, Section(s) 25270.4.5(a)
Violation Description: Failure to adequately discuss in the SPCC Plan facility drainage or drainage controls such as secondary containment around containers and other structures, equipment, and procedures for the control of a discharge.
Violation Notes: Returned to compliance on 02/13/2017.
Violation Division: San Diego County Department of Env Health
Violation Program: APSA
Violation Source: CERS,

Site ID: 27461
Site Name: EDCO WASTE & RECYCLING SERVICE
Violation Date: 01-26-2016
Citation: 23 CCR 16 2715(f) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2715(f)
Violation Description: Failure to comply with one or more of the following: provide training to facility employee(s) responsible for proper operation and maintenance every 12 months and/or train new employee(s) who are responsible for proper operation and maintenance within 30-days of hire and/or to have at least one employee present during operating hours that has been trained in the proper operation and maintenance of the UST system.
Violation Notes: Returned to compliance on 01/29/2016.
Violation Division: San Diego County Department of Env Health
Violation Program: UST
Violation Source: CERS,

Site ID: 27461
Site Name: EDCO WASTE & RECYCLING SERVICE
Violation Date: 01-25-2017
Citation: 22 CCR 15 66265.193 - California Code of Regulations, Title 22, Chapter 15, Section(s) 66265.193
Violation Description: Failure to meet required secondary containment requirements for hazardous waste tank systems or components.
Violation Notes: Returned to compliance on 02/17/2017.
Violation Division: San Diego County Department of Env Health
Violation Program: HW
Violation Source: CERS,

Site ID: 27461
Site Name: EDCO WASTE & RECYCLING SERVICE
Violation Date: 01-23-2018
Citation: HSC 6.95 25508.1(a)-(f) - California Health and Safety Code, Chapter 6.95, Section(s) 25508.1(a)-(f)
Violation Description: Failure to electronically update business plan within 30 days of any one of the following events: A 100 percent or more increase in the quantity of a previously disclosed material. Any handling of a previously undisclosed hazardous materials at or above reportable quantities. A change of business address, business ownership, or business name. A substantial change in the handler's operations that requires modification to any portion of the business plan.
Violation Notes: Returned to compliance on 02/02/2018.
Violation Division: San Diego County Department of Env Health

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Violation Program:	HMRRP
Violation Source:	CERS,
Site ID:	27461
Site Name:	EDCO WASTE & RECYCLING SERVICE
Violation Date:	01-30-2014
Citation:	22 CCR 15 66265.195(a) - California Code of Regulations, Title 22, Chapter 15, Section(s) 66265.195(a)
Violation Description:	Failure of the owner or operator to conduct inspections and maintain inspection records at the facility of the following tank equipment: 1) Overfill/spill control equipment (e.g., waste-feed cutoff systems, bypass systems, and drainage systems) to ensure that it is in good working order; 2) The aboveground portions of the tank system, if any, to detect corrosion or releases of waste; 3) Data gathered from monitoring equipment and leak-detection equipment, (e.g., pressure and temperature gauges, monitoring wells) to ensure that the tank system is being operated according to its design; 4) The construction materials and the area immediately surrounding the externally accessible portion of the tank system including secondary containment structures (e.g., dikes) to detect erosion or signs of releases of hazardous waste (e.g., wet spots, dead vegetation); and 5) For uncovered tanks, the level of waste in the tank, to ensure compliance with section 66265.194(b)(3).
Violation Notes:	Returned to compliance on 02/11/2014. Inspection Sequence ID:4902383
Violation Division:	San Diego County Department of Env Health
Violation Program:	HW
Violation Source:	CERS,
Site ID:	27461
Site Name:	EDCO WASTE & RECYCLING SERVICE
Violation Date:	01-25-2017
Citation:	HSC 6.67 25270.4.5(a) - California Health and Safety Code, Chapter 6.67, Section(s) 25270.4.5(a)
Violation Description:	"Failure to amend the SPCC Plan within 6 months: 1. When the facility has had a change in design, construction, operation, or maintenance which affects the facility s discharge potential. AND/OR 2. To include more effective proven technology at the time of the 5-year SPCC Plan review and evaluation."
Violation Notes:	Returned to compliance on 02/15/2017.
Violation Division:	San Diego County Department of Env Health
Violation Program:	APSA
Violation Source:	CERS,
Site ID:	27461
Site Name:	EDCO WASTE & RECYCLING SERVICE
Violation Date:	08-25-2021
Citation:	22 CCR 12 66262.34(f) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.34(f)
Violation Description:	Failure to properly label hazardous waste accumulation containers with the following requirements: "Hazardous Waste", name and address of the generator, physical and chemical characteristics of the Hazardous Waste, and starting accumulation date.
Violation Notes:	Returned to compliance on 09/23/2021. Inspection Sequence ID:6801228
Violation Division:	San Diego County Department of Env Health
Violation Program:	HW
Violation Source:	CERS,

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Site ID: 27461
Site Name: EDCO WASTE & RECYCLING SERVICE
Violation Date: 01-26-2016
Citation: 22 CCR 12 66262.34(f) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.34(f)
Violation Description: Failure to properly label hazardous waste accumulation containers with the following requirements: "Hazardous Waste", name and address of the generator, physical and chemical characteristics of the Hazardous Waste, and starting accumulation date.
Violation Notes: Returned to compliance on 01/26/2016.
Violation Division: San Diego County Department of Env Health
Violation Program: HW
Violation Source: CERS,

Site ID: 27461
Site Name: EDCO WASTE & RECYCLING SERVICE
Violation Date: 08-25-2021
Citation: 22 CCR 15 66265.172 - California Code of Regulations, Title 22, Chapter 15, Section(s) 66265.172
Violation Description: Failure to accumulate or store hazardous waste in container made of or lined with materials which will not react with, and are otherwise compatible with, the hazardous waste to be stored, so that the ability of the container to contain the waste is not impaired.
Violation Notes: Returned to compliance on 09/10/2021. Inspection Sequence ID:6801228
Violation Division: San Diego County Department of Env Health
Violation Program: HW
Violation Source: CERS,

Evaluation:
Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-23-2018
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Inspector: Calcagno Leonardo Inspection ID:5811950
Eval Division: San Diego County Department of Env Health
Eval Program: APSA
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-23-2018
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Inspector: Calcagno Leonardo Inspection ID:5811950
Eval Division: San Diego County Department of Env Health
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-25-2017
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Inspector: Fitzmaurice Mark Inspection ID:5646965
Eval Division: San Diego County Department of Env Health
Eval Program: APSA
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection

SOLID WASTE SERVICES (Continued) **S104234424**

Eval Date: 01-25-2017
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Inspector: Fitzmaurice Mark Inspection ID:5646965
Eval Division: San Diego County Department of Env Health
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-26-2016
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Inspector: Calcagno Leonardo Inspection ID:5206915
Eval Division: San Diego County Department of Env Health
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-30-2014
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Inspector: Beacon Ellen Inspection ID:4902383
Eval Division: San Diego County Department of Env Health
Eval Program: UST
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-21-2021
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Inspector: Valdez Kevin Inspection ID:6408415
Eval Division: San Diego County Department of Env Health
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-23-2018
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Inspector: Calcagno Leonardo Inspection ID:5811950
Eval Division: San Diego County Department of Env Health
Eval Program: UST
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-23-2018
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Inspector: Calcagno Leonardo Inspection ID:5811950
Eval Division: San Diego County Department of Env Health
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-25-2017
Violations Found: No
Eval Type: Routine done by local agency

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Eval Notes: Inspector: Fitzmaurice Mark Inspection ID:5646965
Eval Division: San Diego County Department of Env Health
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-25-2017
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Inspector: Fitzmaurice Mark Inspection ID:5646965
Eval Division: San Diego County Department of Env Health
Eval Program: UST
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-26-2016
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Inspector: Calcagno Leonardo Inspection ID:5206915
Eval Division: San Diego County Department of Env Health
Eval Program: APSA
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-26-2016
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Inspector: Calcagno Leonardo Inspection ID:5206915
Eval Division: San Diego County Department of Env Health
Eval Program: UST
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-30-2014
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Inspector: Beacon Ellen Inspection ID:4902383
Eval Division: San Diego County Department of Env Health
Eval Program: APSA
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 08-25-2021
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Inspector: Valdez Kevin Inspection ID:6801228
Eval Division: San Diego County Department of Env Health
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-26-2016
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Inspector: Calcagno Leonardo Inspection ID:5206915
Eval Division: San Diego County Department of Env Health
Eval Program: HW

SOLID WASTE SERVICES (Continued) **S104234424**

Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-30-2014
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Inspector: Beacon Ellen Inspection ID:4902383
Eval Division: San Diego County Department of Env Health
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-30-2014
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Inspector: Beacon Ellen Inspection ID:4902383
Eval Division: San Diego County Department of Env Health
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-30-2015
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Inspector: Oglesby Margaret Inspection ID:5158582
Eval Division: San Diego County Department of Env Health
Eval Program: UST
Eval Source: CERS,

Coordinates:
Site ID: 27461
Facility Name: EDCO WASTE & RECYCLING SERVICE
Env Int Type Code: HWG
Program ID: 10375948
Coord Name: Not reported
Ref Point Type Desc: Center of a facility or station.,
Latitude: 33.141400
Longitude: -117.193680

Affiliation:
Affiliation Type Desc: CUPA District
Entity Name: San Diego County Env Health Qlty
Entity Title: Not reported
Affiliation Address: PO Box 129261
Affiliation City: San Diego
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 92112-9261
Affiliation Phone: (858) 505-6880,

Affiliation Type Desc: Environmental Contact
Entity Name: Ricardo Osunabaez
Entity Title: Not reported
Affiliation Address: 224 S LAS POSAS RD
Affiliation City: SAN MARCOS
Affiliation State: CA

SOLID WASTE SERVICES (Continued) **S104234424**

Affiliation Country: Not reported
Affiliation Zip: 92078-2421
Affiliation Phone: ,

Affiliation Type Desc: Operator
Entity Name: EDCO WASTE & RECYCLING SVC, INC
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: (760) 744-5615,

Affiliation Type Desc: Parent Corporation
Entity Name: EDCO DISPOSAL CORPORATION
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Affiliation Type Desc: Property Owner
Entity Name: FEDERAL BOULEVARD PROPERTIES L
Entity Title: Not reported
Affiliation Address: 6670 FEDERAL BLVD
Affiliation City: LEMON GROVE
Affiliation State: CA
Affiliation Country: United States
Affiliation Zip: 91945
Affiliation Phone: (619) 287-7555,

Affiliation Type Desc: Document Preparer
Entity Name: Lucia Gomez
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Affiliation Type Desc: Identification Signer
Entity Name: Ricardo Osunabaez
Entity Title: EHS Director
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Affiliation Type Desc: Legal Owner
Entity Name: EDWARD BURR
Entity Title: Not reported

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Affiliation Address: 224 S Las Posas Rd
Affiliation City: SAN MARCOS
Affiliation State: CA
Affiliation Country: United States
Affiliation Zip: 92078
Affiliation Phone: (619) 287-7555,

Affiliation Type Desc: Facility Mailing Address
Entity Name: Mailing Address
Entity Title: Not reported
Affiliation Address: 224 S LAS POSAS RD
Affiliation City: SAN MARCOS
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 92078-2421
Affiliation Phone: ,

Name: EDCO WASTE & RECYCLING SERVICE
Address: 224 S LAS POSAS RD
City,State,Zip: SAN MARCOS, CA 92078
Site ID: 27461
CERS ID: T0608184522
CERS Description: Cleanup Program Site

Violations:
Site ID: 27461
Site Name: EDCO WASTE & RECYCLING SERVICE
Violation Date: 01-30-2014
Citation: HSC 6.75 25299.30-25299.34 - California Health and Safety Code, Chapter 6.75, Section(s) 25299.30-25299.34
Violation Description: Failure to submit and maintain complete and current Certification of Financial Responsibility or other mechanism of financial assurance.
Violation Notes: Returned to compliance on 02/11/2014. Inspection Sequence ID:4902383;Tank ID:20866;Violation Description:Failure to submit and maintain complete and current Certification of Financial Responsibility or other mechanism of financial assurance. 23 CCR 16 2711; 23 CCR 18 2808.1, 2809-2809.2; HSC 6.7 25292.2; HSC 6.75 25299.30-25299.34
Violation Division: San Diego County Department of Env Health
Violation Program: UST
Violation Source: CERS,

Site ID: 27461
Site Name: EDCO WASTE & RECYCLING SERVICE
Violation Date: 08-25-2021
Citation: 22 CCR 11 66261.7 - California Code of Regulations, Title 22, Chapter 11, Section(s) 66261.7
Violation Description: Failure to manage empty containers greater than 5 gallons in capacity that previously held a hazardous material/waste in accordance with 22 CCR 11 66261.7 including but not limited to the following: (e)(2)By reclaiming its scrap value onsite or shipping the container or inner liner to a person who reclaims its scrap value; or (3) By reconditioning or re manufacturing the container or inner liner onsite for subsequent reuse, or shipping the container or inner liner to a person who reconditions or re-manufactures the container or inner liner; or (4) By shipping the container or inner liner to a supplier or to another intermediate collection location for accumulation prior

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to managing the container or inner liner pursuant to subsections (e)(2) or (e)(3) of 22 CCR 11 66261.7; or (i) By shipping the container or inner liner back to the supplier for the purpose of being refilled. (f) A container or an inner liner removed from a container larger than five gallons in capacity which is managed pursuant to subsection (e) of 22 CCR 11 66261.7 shall be marked with the date it has been emptied and shall be managed within one year of being emptied.

Violation Notes: Returned to compliance on 09/23/2021. Inspection Sequence ID:6801228
Violation Division: San Diego County Department of Env Health
Violation Program: HW
Violation Source: CERS,

Site ID: 27461
Site Name: EDCO WASTE & RECYCLING SERVICE
Violation Date: 01-25-2017
Citation: 22 CCR 15 66265.192(a) - California Code of Regulations, Title 22, Chapter 15, Section(s) 66265.192(a)
Violation Description: Failure to obtain and maintain a written assessment reviewed and certified by an independent, qualified, professional engineer prior to placing the tank system in service. The written assessment shall state that, the new hazardous waste tank system has sufficient structural integrity, is acceptable for the transferring, storing and treating of hazardous waste, and that the tanks and containment system including the foundation, structural support, seams, connections, and pressure controls (if applicable) are suitably designed to meet the regulation.
Violation Notes: Returned to compliance on 02/17/2017.
Violation Division: San Diego County Department of Env Health
Violation Program: HW
Violation Source: CERS,

Site ID: 27461
Site Name: EDCO WASTE & RECYCLING SERVICE
Violation Date: 01-30-2015
Citation: 23 CCR 16 2632, 2634, 2636, 2666 - California Code of Regulations, Title 23, Chapter 16, Section(s) 2632, 2634, 2636, 2666
Violation Description: Failure of the leak detection equipment to have an audible and visual alarm as required.
Violation Notes: Returned to compliance on 01/30/2015.
Violation Division: San Diego County Department of Env Health
Violation Program: UST
Violation Source: CERS,

Site ID: 27461
Site Name: EDCO WASTE & RECYCLING SERVICE
Violation Date: 01-30-2014
Citation: 22 CCR 15 66265.173 - California Code of Regulations, Title 22, Chapter 15, Section(s) 66265.173
Violation Description: Failure to properly close hazardous waste containers when not in active use.
Violation Notes: Returned to compliance on 02/11/2014. Inspection Sequence ID:4902383
Violation Division: San Diego County Department of Env Health
Violation Program: HW
Violation Source: CERS,

Site ID: 27461
Site Name: EDCO WASTE & RECYCLING SERVICE

SOLID WASTE SERVICES (Continued) **S104234424**

Violation Date: 01-26-2016
Citation: 23 CCR 16 2665 - California Code of Regulations, Title 23, Chapter 16, Section(s) 2665
Violation Description: Failure of the overfill prevention system to meet one of the following requirements: 1. Alert the transfer operator when the tank is 90 percent full by restricting the flow into the tank or triggering an audible and visual alarm; or 2. Restrict delivery of flow to the tank at least 30 minutes before the tank overfills, provided the restriction occurs when the tank is filled to no more than 95 percent of capacity; and activate an audible alarm at least five minutes before the tank overfills; or 3. Provide positive shut-off of flow to the tank when the tank is filled to no more than 95 percent of capacity; or 4. Provide positive shut-off of flow to the tank so that none of the fittings located on the top of the tank are exposed to product due to overfilling.
Violation Notes: Returned to compliance on 01/26/2016.
Violation Division: San Diego County Department of Env Health
Violation Program: UST
Violation Source: CERS,

Site ID: 27461
Site Name: EDCO WASTE & RECYCLING SERVICE
Violation Date: 01-30-2014
Citation: HSC 6.67 Multiple - California Health and Safety Code, Chapter 6.67, Section(s) Multiple
Violation Description: Haz Waste Generator Program - Operations/Maintenance - General
Violation Notes: Returned to compliance on 02/11/2014. Inspection Sequence ID:4902383;Violation:HMD0235 Did not accumulate waste in container or tank. 66262.34(a)(1).
Violation Division: San Diego County Department of Env Health
Violation Program: HW
Violation Source: CERS,

Site ID: 27461
Site Name: EDCO WASTE & RECYCLING SERVICE
Violation Date: 08-25-2021
Citation: 22 CCR 15 66265.173 - California Code of Regulations, Title 22, Chapter 15, Section(s) 66265.173
Violation Description: Failure to meet the following container management requirements: (a) A container holding hazardous waste must always be closed during storage, except when it is necessary to add or remove waste. (b) A container holding hazardous waste must not be opened, handled, or stored in a manner which may rupture the container or cause it to leak.
Violation Notes: Returned to compliance on 09/23/2021. Inspection Sequence ID:6801228
Violation Division: San Diego County Department of Env Health
Violation Program: HW
Violation Source: CERS,

Site ID: 27461
Site Name: EDCO WASTE & RECYCLING SERVICE
Violation Date: 01-30-2014
Citation: HSC 6.67 Multiple - California Health and Safety Code, Chapter 6.67, Section(s) Multiple
Violation Description: Haz Waste Generator Program - Administration/Documentation - General
Violation Notes: Returned to compliance on 02/11/2014. Inspection Sequence ID:4902383;Violation:HMD0138 Manifest signed by the Treatment,

SOLID WASTE SERVICES (Continued) **S104234424**

Storage, Disposal Facility (TSDF) not available for inspection. 66262.40(a).
Violation Division: San Diego County Department of Env Health
Violation Program: HW
Violation Source: CERS,

Site ID: 27461
Site Name: EDCO WASTE & RECYCLING SERVICE
Violation Date: 01-25-2017
Citation: HSC 6.67 25270.4.5(a) - California Health and Safety Code, Chapter 6.67, Section(s) 25270.4.5(a)
Violation Description: Failure to adequately discuss in the SPCC Plan facility drainage or drainage controls such as secondary containment around containers and other structures, equipment, and procedures for the control of a discharge.
Violation Notes: Returned to compliance on 02/13/2017.
Violation Division: San Diego County Department of Env Health
Violation Program: APSA
Violation Source: CERS,

Site ID: 27461
Site Name: EDCO WASTE & RECYCLING SERVICE
Violation Date: 01-26-2016
Citation: 23 CCR 16 2715(f) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2715(f)
Violation Description: Failure to comply with one or more of the following: provide training to facility employee(s) responsible for proper operation and maintenance every 12 months and/or train new employee(s) who are responsible for proper operation and maintenance within 30-days of hire and/or to have at least one employee present during operating hours that has been trained in the proper operation and maintenance of the UST system.
Violation Notes: Returned to compliance on 01/29/2016.
Violation Division: San Diego County Department of Env Health
Violation Program: UST
Violation Source: CERS,

Site ID: 27461
Site Name: EDCO WASTE & RECYCLING SERVICE
Violation Date: 01-25-2017
Citation: 22 CCR 15 66265.193 - California Code of Regulations, Title 22, Chapter 15, Section(s) 66265.193
Violation Description: Failure to meet required secondary containment requirements for hazardous waste tank systems or components.
Violation Notes: Returned to compliance on 02/17/2017.
Violation Division: San Diego County Department of Env Health
Violation Program: HW
Violation Source: CERS,

Site ID: 27461
Site Name: EDCO WASTE & RECYCLING SERVICE
Violation Date: 01-23-2018
Citation: HSC 6.95 25508.1(a)-(f) - California Health and Safety Code, Chapter 6.95, Section(s) 25508.1(a)-(f)
Violation Description: Failure to electronically update business plan within 30 days of any one of the following events: A 100 percent or more increase in the quantity of a previously disclosed material. Any handling of a

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previously undisclosed hazardous materials at or above reportable quantities. A change of business address, business ownership, or business name. A substantial change in the handler's operations that requires modification to any portion of the business plan.

Violation Notes: Returned to compliance on 02/02/2018.
Violation Division: San Diego County Department of Env Health
Violation Program: HMRRP
Violation Source: CERS,

Site ID: 27461
Site Name: EDCO WASTE & RECYCLING SERVICE
Violation Date: 01-30-2014
Citation: 22 CCR 15 66265.195(a) - California Code of Regulations, Title 22, Chapter 15, Section(s) 66265.195(a)
Violation Description: Failure of the owner or operator to conduct inspections and maintain inspection records at the facility of the following tank equipment: 1) Overfill/spill control equipment (e.g., waste-feed cutoff systems, bypass systems, and drainage systems) to ensure that it is in good working order; 2) The aboveground portions of the tank system, if any, to detect corrosion or releases of waste; 3) Data gathered from monitoring equipment and leak-detection equipment, (e.g., pressure and temperature gauges, monitoring wells) to ensure that the tank system is being operated according to its design; 4) The construction materials and the area immediately surrounding the externally accessible portion of the tank system including secondary containment structures (e.g., dikes) to detect erosion or signs of releases of hazardous waste (e.g., wet spots, dead vegetation); and 5) For uncovered tanks, the level of waste in the tank, to ensure compliance with section 66265.194(b)(3).
Violation Notes: Returned to compliance on 02/11/2014. Inspection Sequence ID:4902383
Violation Division: San Diego County Department of Env Health
Violation Program: HW
Violation Source: CERS,

Site ID: 27461
Site Name: EDCO WASTE & RECYCLING SERVICE
Violation Date: 01-25-2017
Citation: HSC 6.67 25270.4.5(a) - California Health and Safety Code, Chapter 6.67, Section(s) 25270.4.5(a)
Violation Description: "Failure to amend the SPCC Plan within 6 months: 1. When the facility has had a change in design, construction, operation, or maintenance which affects the facility s discharge potential. AND/OR 2. To include more effective proven technology at the time of the 5-year SPCC Plan review and evaluation."
Violation Notes: Returned to compliance on 02/15/2017.
Violation Division: San Diego County Department of Env Health
Violation Program: APSA
Violation Source: CERS,

Site ID: 27461
Site Name: EDCO WASTE & RECYCLING SERVICE
Violation Date: 08-25-2021
Citation: 22 CCR 12 66262.34(f) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.34(f)
Violation Description: Failure to properly label hazardous waste accumulation containers with the following requirements: "Hazardous Waste", name and address of the generator, physical and chemical characteristics of the Hazardous

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Waste, and starting accumulation date.
Violation Notes: Returned to compliance on 09/23/2021. Inspection Sequence ID:6801228
Violation Division: San Diego County Department of Env Health
Violation Program: HW
Violation Source: CERS,

Site ID: 27461
Site Name: EDCO WASTE & RECYCLING SERVICE
Violation Date: 01-26-2016
Citation: 22 CCR 12 66262.34(f) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.34(f)
Violation Description: Failure to properly label hazardous waste accumulation containers with the following requirements: "Hazardous Waste", name and address of the generator, physical and chemical characteristics of the Hazardous Waste, and starting accumulation date.
Violation Notes: Returned to compliance on 01/26/2016.
Violation Division: San Diego County Department of Env Health
Violation Program: HW
Violation Source: CERS,

Site ID: 27461
Site Name: EDCO WASTE & RECYCLING SERVICE
Violation Date: 08-25-2021
Citation: 22 CCR 15 66265.172 - California Code of Regulations, Title 22, Chapter 15, Section(s) 66265.172
Violation Description: Failure to accumulate or store hazardous waste in container made of or lined with materials which will not react with, and are otherwise compatible with, the hazardous waste to be stored, so that the ability of the container to contain the waste is not impaired.
Violation Notes: Returned to compliance on 09/10/2021. Inspection Sequence ID:6801228
Violation Division: San Diego County Department of Env Health
Violation Program: HW
Violation Source: CERS,

Evaluation:
Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-23-2018
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Inspector: Calcagno Leonardo Inspection ID:5811950
Eval Division: San Diego County Department of Env Health
Eval Program: APSA
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-23-2018
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Inspector: Calcagno Leonardo Inspection ID:5811950
Eval Division: San Diego County Department of Env Health
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-25-2017
Violations Found: Yes
Eval Type: Routine done by local agency

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Eval Notes: Inspector: Fitzmaurice Mark Inspection ID:5646965
Eval Division: San Diego County Department of Env Health
Eval Program: APSA
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-25-2017
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Inspector: Fitzmaurice Mark Inspection ID:5646965
Eval Division: San Diego County Department of Env Health
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-26-2016
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Inspector: Calcagno Leonardo Inspection ID:5206915
Eval Division: San Diego County Department of Env Health
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-30-2014
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Inspector: Beacon Ellen Inspection ID:4902383
Eval Division: San Diego County Department of Env Health
Eval Program: UST
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-21-2021
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Inspector: Valdez Kevin Inspection ID:6408415
Eval Division: San Diego County Department of Env Health
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-23-2018
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Inspector: Calcagno Leonardo Inspection ID:5811950
Eval Division: San Diego County Department of Env Health
Eval Program: UST
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-23-2018
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Inspector: Calcagno Leonardo Inspection ID:5811950
Eval Division: San Diego County Department of Env Health
Eval Program: HW

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Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-25-2017
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Inspector: Fitzmaurice Mark Inspection ID:5646965
Eval Division: San Diego County Department of Env Health
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-25-2017
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Inspector: Fitzmaurice Mark Inspection ID:5646965
Eval Division: San Diego County Department of Env Health
Eval Program: UST
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-26-2016
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Inspector: Calcagno Leonardo Inspection ID:5206915
Eval Division: San Diego County Department of Env Health
Eval Program: APSA
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-26-2016
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Inspector: Calcagno Leonardo Inspection ID:5206915
Eval Division: San Diego County Department of Env Health
Eval Program: UST
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-30-2014
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Inspector: Beacon Ellen Inspection ID:4902383
Eval Division: San Diego County Department of Env Health
Eval Program: APSA
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 08-25-2021
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Inspector: Valdez Kevin Inspection ID:6801228
Eval Division: San Diego County Department of Env Health
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection

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Eval Date: 01-26-2016
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Inspector: Calcagno Leonardo Inspection ID:5206915
Eval Division: San Diego County Department of Env Health
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-30-2014
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Inspector: Beacon Ellen Inspection ID:4902383
Eval Division: San Diego County Department of Env Health
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-30-2014
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Inspector: Beacon Ellen Inspection ID:4902383
Eval Division: San Diego County Department of Env Health
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-30-2015
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Inspector: Oglesby Margaret Inspection ID:5158582
Eval Division: San Diego County Department of Env Health
Eval Program: UST
Eval Source: CERS,

Coordinates:
Site ID: 27461
Facility Name: EDCO WASTE & RECYCLING SERVICE
Env Int Type Code: HWG
Program ID: 10375948
Coord Name: Not reported
Ref Point Type Desc: Center of a facility or station.,
Latitude: 33.141400
Longitude: -117.193680

Affiliation:
Affiliation Type Desc: CUPA District
Entity Name: San Diego County Env Health Qlty
Entity Title: Not reported
Affiliation Address: PO Box 129261
Affiliation City: San Diego
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 92112-9261
Affiliation Phone: (858) 505-6880,

SOLID WASTE SERVICES (Continued) **S104234424**

Affiliation Type Desc:	Environmental Contact
Entity Name:	Ricardo Osunabaez
Entity Title:	Not reported
Affiliation Address:	224 S LAS POSAS RD
Affiliation City:	SAN MARCOS
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92078-2421
Affiliation Phone:	,

Affiliation Type Desc:	Operator
Entity Name:	EDCO WASTE & RECYCLING SVC, INC
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	(760) 744-5615,

Affiliation Type Desc:	Parent Corporation
Entity Name:	EDCO DISPOSAL CORPORATION
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,

Affiliation Type Desc:	Property Owner
Entity Name:	FEDERAL BOULEVARD PROPERTIES L
Entity Title:	Not reported
Affiliation Address:	6670 FEDERAL BLVD
Affiliation City:	LEMON GROVE
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	91945
Affiliation Phone:	(619) 287-7555,

Affiliation Type Desc:	Document Preparer
Entity Name:	Lucia Gomez
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,

Affiliation Type Desc:	Identification Signer
Entity Name:	Ricardo Osunabaez
Entity Title:	EHS Director
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported

SOLID WASTE SERVICES (Continued) **S104234424**

Affiliation Zip: Not reported
Affiliation Phone: ,

Affiliation Type Desc: Legal Owner
Entity Name: EDWARD BURR
Entity Title: Not reported
Affiliation Address: 224 S Las Posas Rd
Affiliation City: SAN MARCOS
Affiliation State: CA
Affiliation Country: United States
Affiliation Zip: 92078
Affiliation Phone: (619) 287-7555,

Affiliation Type Desc: Facility Mailing Address
Entity Name: Mailing Address
Entity Title: Not reported
Affiliation Address: 224 S LAS POSAS RD
Affiliation City: SAN MARCOS
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 92078-2421
Affiliation Phone: ,

Name: EDCO WASTE & RECYCLING SERVICES
Address: 224 S LAS POSAS RD
City,State,Zip: SAN MARCOS, CA 92078
Site ID: 531116
CERS ID: 239734
CERS Description: Industrial Facility Storm Water

Violations:

Site ID: 531116
Site Name: EDCO Waste & Recycling Services
Violation Date: 03-21-2003
Citation: 2014-0057-DWQ - Industrial General Permit
Violation Description: SW - Deficient BMP Implementation
Violation Notes: Failure to obtain coverage under the storm water permit, facility yard has several oil stains, oily residues, and trash in several areas of the yard. JRP 4/7/03
Violation Division: Water Boards
Violation Program: INDSTW
Violation Source: SMARTS,

Site ID: 531116
Site Name: EDCO Waste & Recycling Services
Violation Date: 11-16-2004
Citation: 2014-0057-DWQ - Industrial General Permit
Violation Description: SW - Deficient Report
Violation Notes: Failure to develop SWPPP, failure to develop and implement SWPPP BMP's and maintain copies of these docs onsite. Poor housekeeping-antifreeze spilled at covered storm drain in front of maintenance garage.
Violation Division: Water Boards
Violation Program: INDSTW
Violation Source: SMARTS,

Site ID: 531116

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Site Name: EDCO Waste & Recycling Services
Violation Date: 02-27-2002
Citation: 2014-0057-DWQ - Industrial General Permit
Violation Description: SW - Deficient BMP Implementation
Violation Notes: Section B. MPRR: the facility had incomplete or missing sampling records. See Tetra Tech report for more details.
Violation Division: Water Boards
Violation Program: INDSTW
Violation Source: SMARTS,

Site ID: 531116
Site Name: EDCO Waste & Recycling Services
Violation Date: 02-27-2002
Citation: 2014-0057-DWQ - Industrial General Permit
Violation Description: SW - Deficient BMP Implementation
Violation Notes: Section A. SWPPP: incomplete site map and deficient BMPs- uncovered and uncontained drums of oil, oil stains on the ground, and broken glass.
Violation Division: Water Boards
Violation Program: INDSTW
Violation Source: SMARTS,

Site ID: 531116
Site Name: EDCO Waste & Recycling Services
Violation Date: 07-01-2011
Citation: 2014-0057-DWQ - Industrial General Permit
Violation Description: SW - Late Report
Violation Notes: Failure to submit 2010/2011 IGP Annual Report by July 1, 2011.
Violation Division: Water Boards
Violation Program: INDSTW
Violation Source: SMARTS,

Site ID: 531116
Site Name: EDCO Waste & Recycling Services
Violation Date: 06-12-2002
Citation: 2014-0057-DWQ - Industrial General Permit
Violation Description: SW - Deficient BMP Implementation
Violation Notes: Section A. SWPPP: Deficient BMPs - leak prevention, improve source control and potential source evaluation. Inadequate site map.
Violation Division: Water Boards
Violation Program: INDSTW
Violation Source: SMARTS,

Site ID: 531116
Site Name: EDCO Waste & Recycling Services
Violation Date: 07-02-2002
Citation: 2014-0057-DWQ - Industrial General Permit
Violation Description: SW - Deficient Report
Violation Notes: Non-submittal of 2001-2002 annual report.
Violation Division: Water Boards
Violation Program: INDSTW
Violation Source: SMARTS,

Evaluation:
Eval General Type: Case Development Inspection
Eval Date: 09-20-2012
Violations Found: No

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Eval Type:	Industrial Storm Water Enforcement Follow-up
Eval Notes:	Mashburn Waste & Recycling Service was purchased by EDCO about 10 years ago. EDCO submitted 2011-2012 Annual Report for facility.
Eval Division:	Water Boards
Eval Program:	INDSTW
Eval Source:	SMARTS,
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	02-27-2002
Violations Found:	No
Eval Type:	Industrial Storm Water Compliance Evaluation
Eval Notes:	Not reported
Eval Division:	Water Boards
Eval Program:	INDSTW
Eval Source:	SMARTS,
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	11-16-2004
Violations Found:	No
Eval Type:	Industrial Storm Water Compliance Evaluation
Eval Notes:	Not reported
Eval Division:	Water Boards
Eval Program:	INDSTW
Eval Source:	SMARTS,
Eval General Type:	Case Development Inspection
Eval Date:	03-21-2003
Violations Found:	No
Eval Type:	Industrial Storm Water Enforcement Follow-up
Eval Notes:	Not reported
Eval Division:	Water Boards
Eval Program:	INDSTW
Eval Source:	SMARTS,
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	05-10-2010
Violations Found:	No
Eval Type:	Industrial Storm Water Compliance Evaluation
Eval Notes:	Recently inspected by D-Max Eng.; SWPPP reviewed-OK; advised to improve housekeeping to remove kitty litter; must also do sampling at metal, glass and fiberboard area to meet permit requirements. Additional information is required from 2009-2010 AR to show sampling done as requested.
Eval Division:	Water Boards
Eval Program:	INDSTW
Eval Source:	SMARTS,
Eval General Type:	Case Development Inspection
Eval Date:	06-12-2002
Violations Found:	No
Eval Type:	Industrial Storm Water Enforcement Follow-up
Eval Notes:	Not reported
Eval Division:	Water Boards
Eval Program:	INDSTW
Eval Source:	SMARTS,

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Enforcement Action:

Site ID:	531116
Site Name:	EDCO Waste & Recycling Services
Site Address:	224 S LAS POSAS RD
Site City:	SAN MARCOS
Site Zip:	92078
Enf Action Date:	02-04-2005
Enf Action Type:	Notice of Violation
Enf Action Description:	Notice of Violation
Enf Action Notes:	Failure to develop SWPPP, failure to develop and implement SWPPP BMP's and maintain copies of these docs onsite. Poor housekeeping-antifreeze spilled at covered storm drain in front of maintenance garage.
Enf Action Division:	Water Boards
Enf Action Program:	INDSTW
Enf Action Source:	SMARTS,

Site ID:	531116
Site Name:	EDCO Waste & Recycling Services
Site Address:	224 S LAS POSAS RD
Site City:	SAN MARCOS
Site Zip:	92078
Enf Action Date:	03-21-2003
Enf Action Type:	Notice to Comply
Enf Action Description:	Notice to Comply
Enf Action Notes:	Issued fro violations including deficient BMPS, and failure to obtain permit. Corrective action report due 4/21/03. JRP 4/7/03
Enf Action Division:	Water Boards
Enf Action Program:	INDSTW
Enf Action Source:	SMARTS,

Site ID:	531116
Site Name:	EDCO Waste & Recycling Services
Site Address:	224 S LAS POSAS RD
Site City:	SAN MARCOS
Site Zip:	92078
Enf Action Date:	06-12-2002
Enf Action Type:	Notice to Comply
Enf Action Description:	Notice to Comply
Enf Action Notes:	6-12-03 follow-up inspection of Tetra Tech's 2-27-02 inspection. NTC required submittal of report of correction by 7/1702 to include info on revised SWPPP and monitoring programs to address corrections.
Enf Action Division:	Water Boards
Enf Action Program:	INDSTW
Enf Action Source:	SMARTS,

Site ID:	531116
Site Name:	EDCO Waste & Recycling Services
Site Address:	224 S LAS POSAS RD
Site City:	SAN MARCOS
Site Zip:	92078
Enf Action Date:	07-02-2002
Enf Action Type:	Notice of Non-Compliance for Non-Filers
Enf Action Description:	Notice of Non-Compliance for Non-Filers
Enf Action Notes:	Non-submittal of 2001-2002 annual report
Enf Action Division:	Water Boards
Enf Action Program:	INDSTW

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Enf Action Source: SMARTS,

Site ID: 531116
Site Name: EDCO Waste & Recycling Services
Site Address: 224 S LAS POSAS RD
Site City: SAN MARCOS
Site Zip: 92078
Enf Action Date: 07-04-2011
Enf Action Type: Notice of Violation
Enf Action Description: Notice of Violation
Enf Action Notes: Failure to submit 2010/2011 IGP Annual Report by July 1, 2011.
Enf Action Division: Water Boards
Enf Action Program: INDSTW
Enf Action Source: SMARTS,

Affiliation:
Affiliation Type Desc: Owner/Operator
Entity Name: EDCO Waste Recycling
Entity Title: Operator
Affiliation Address: 224 S Las Posas Rd
Affiliation City: San Marcos
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 92078
Affiliation Phone: ,

Name: EDCO WASTE & RECYCLING SERVICE
Address: 224 S LAS POSAS RD
City,State,Zip: SAN MARCOS, CA 92078
Site ID: 27461
CERS ID: T0607300258
CERS Description: Leaking Underground Storage Tank Cleanup Site

Violations:
Site ID: 27461
Site Name: EDCO WASTE & RECYCLING SERVICE
Violation Date: 01-30-2014
Citation: HSC 6.75 25299.30-25299.34 - California Health and Safety Code, Chapter 6.75, Section(s) 25299.30-25299.34
Violation Description: Failure to submit and maintain complete and current Certification of Financial Responsibility or other mechanism of financial assurance.
Violation Notes: Returned to compliance on 02/11/2014. Inspection Sequence ID:4902383;Tank ID:20866;Violation Description:Failure to submit and maintain complete and current Certification of Financial Responsibility or other mechanism of financial assurance. 23 CCR 16 2711; 23 CCR 18 2808.1, 2809-2809.2; HSC 6.7 25292.2; HSC 6.75 25299.30-25299.34
Violation Division: San Diego County Department of Env Health
Violation Program: UST
Violation Source: CERS,

Site ID: 27461
Site Name: EDCO WASTE & RECYCLING SERVICE
Violation Date: 08-25-2021
Citation: 22 CCR 11 66261.7 - California Code of Regulations, Title 22, Chapter 11, Section(s) 66261.7

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Violation Description:	Failure to manage empty containers greater than 5 gallons in capacity that previously held a hazardous material/waste in accordance with 22 CCR 11 66261.7 including but not limited to the following: (e)(2)By reclaiming its scrap value onsite or shipping the container or inner liner to a person who reclaims its scrap value; or (3) By reconditioning or re manufacturing the container or inner liner onsite for subsequent reuse, or shipping the container or inner liner to a person who reconditions or re-manufactures the container or inner liner; or (4) By shipping the container or inner liner to a supplier or to another intermediate collection location for accumulation prior to managing the container or inner liner pursuant to subsections (e)(2) or (e)(3) of 22 CCR 11 66261.7; or (i) By shipping the container or inner liner back to the supplier for the purpose of being refilled. (f) A container or an inner liner removed from a container larger than five gallons in capacity which is managed pursuant to subsection (e) of 22 CCR 11 66261.7 shall be marked with the date it has been emptied and shall be managed within one year of being emptied.
Violation Notes:	Returned to compliance on 09/23/2021. Inspection Sequence ID:6801228
Violation Division:	San Diego County Department of Env Health
Violation Program:	HW
Violation Source:	CERS,
Site ID:	27461
Site Name:	EDCO WASTE & RECYCLING SERVICE
Violation Date:	01-25-2017
Citation:	22 CCR 15 66265.192(a) - California Code of Regulations, Title 22, Chapter 15, Section(s) 66265.192(a)
Violation Description:	Failure to obtain and maintain a written assessment reviewed and certified by an independent, qualified, professional engineer prior to placing the tank system in service. The written assessment shall state that, the new hazardous waste tank system has sufficient structural integrity, is acceptable for the transferring, storing and treating of hazardous waste, and that the tanks and containment system including the foundation, structural support, seams, connections, and pressure controls (if applicable) are suitably designed to meet the regulation.
Violation Notes:	Returned to compliance on 02/17/2017.
Violation Division:	San Diego County Department of Env Health
Violation Program:	HW
Violation Source:	CERS,
Site ID:	27461
Site Name:	EDCO WASTE & RECYCLING SERVICE
Violation Date:	01-30-2015
Citation:	23 CCR 16 2632, 2634, 2636, 2666 - California Code of Regulations, Title 23, Chapter 16, Section(s) 2632, 2634, 2636, 2666
Violation Description:	Failure of the leak detection equipment to have an audible and visual alarm as required.
Violation Notes:	Returned to compliance on 01/30/2015.
Violation Division:	San Diego County Department of Env Health
Violation Program:	UST
Violation Source:	CERS,
Site ID:	27461
Site Name:	EDCO WASTE & RECYCLING SERVICE
Violation Date:	01-30-2014
Citation:	22 CCR 15 66265.173 - California Code of Regulations, Title 22,

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	Chapter 15, Section(s) 66265.173
Violation Description:	Failure to properly close hazardous waste containers when not in active use.
Violation Notes:	Returned to compliance on 02/11/2014. Inspection Sequence ID:4902383
Violation Division:	San Diego County Department of Env Health
Violation Program:	HW
Violation Source:	CERS,
Site ID:	27461
Site Name:	EDCO WASTE & RECYCLING SERVICE
Violation Date:	01-26-2016
Citation:	23 CCR 16 2665 - California Code of Regulations, Title 23, Chapter 16, Section(s) 2665
Violation Description:	Failure of the overfill prevention system to meet one of the following requirements: 1. Alert the transfer operator when the tank is 90 percent full by restricting the flow into the tank or triggering an audible and visual alarm; or 2. Restrict delivery of flow to the tank at least 30 minutes before the tank overfills, provided the restriction occurs when the tank is filled to no more than 95 percent of capacity; and activate an audible alarm at least five minutes before the tank overfills; or 3. Provide positive shut-off of flow to the tank when the tank is filled to no more than 95 percent of capacity; or 4. Provide positive shut-off of flow to the tank so that none of the fittings located on the top of the tank are exposed to product due to overfilling.
Violation Notes:	Returned to compliance on 01/26/2016.
Violation Division:	San Diego County Department of Env Health
Violation Program:	UST
Violation Source:	CERS,
Site ID:	27461
Site Name:	EDCO WASTE & RECYCLING SERVICE
Violation Date:	01-30-2014
Citation:	HSC 6.67 Multiple - California Health and Safety Code, Chapter 6.67, Section(s) Multiple
Violation Description:	Haz Waste Generator Program - Operations/Maintenance - General
Violation Notes:	Returned to compliance on 02/11/2014. Inspection Sequence ID:4902383;Violation:HMD0235 Did not accumulate waste in container or tank. 66262.34(a)(1).
Violation Division:	San Diego County Department of Env Health
Violation Program:	HW
Violation Source:	CERS,
Site ID:	27461
Site Name:	EDCO WASTE & RECYCLING SERVICE
Violation Date:	08-25-2021
Citation:	22 CCR 15 66265.173 - California Code of Regulations, Title 22, Chapter 15, Section(s) 66265.173
Violation Description:	Failure to meet the following container management requirements: (a) A container holding hazardous waste must always be closed during storage, except when it is necessary to add or remove waste. (b) A container holding hazardous waste must not be opened, handled, or stored in a manner which may rupture the container or cause it to leak.
Violation Notes:	Returned to compliance on 09/23/2021. Inspection Sequence ID:6801228
Violation Division:	San Diego County Department of Env Health
Violation Program:	HW

SOLID WASTE SERVICES (Continued) **S104234424**

Violation Source: CERS,

Site ID: 27461
Site Name: EDCO WASTE & RECYCLING SERVICE
Violation Date: 01-30-2014
Citation: HSC 6.67 Multiple - California Health and Safety Code, Chapter 6.67, Section(s) Multiple
Violation Description: Haz Waste Generator Program - Administration/Documentation - General
Violation Notes: Returned to compliance on 02/11/2014. Inspection Sequence ID:4902383;Violation:HMD0138 Manifest signed by the Treatment, Storage, Disposal Facility (TSDF) not available for inspection. 66262.40(a).
Violation Division: San Diego County Department of Env Health
Violation Program: HW
Violation Source: CERS,

Site ID: 27461
Site Name: EDCO WASTE & RECYCLING SERVICE
Violation Date: 01-25-2017
Citation: HSC 6.67 25270.4.5(a) - California Health and Safety Code, Chapter 6.67, Section(s) 25270.4.5(a)
Violation Description: Failure to adequately discuss in the SPCC Plan facility drainage or drainage controls such as secondary containment around containers and other structures, equipment, and procedures for the control of a discharge.
Violation Notes: Returned to compliance on 02/13/2017.
Violation Division: San Diego County Department of Env Health
Violation Program: APSA
Violation Source: CERS,

Site ID: 27461
Site Name: EDCO WASTE & RECYCLING SERVICE
Violation Date: 01-26-2016
Citation: 23 CCR 16 2715(f) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2715(f)
Violation Description: Failure to comply with one or more of the following: provide training to facility employee(s) responsible for proper operation and maintenance every 12 months and/or train new employee(s) who are responsible for proper operation and maintenance within 30-days of hire and/or to have at least one employee present during operating hours that has been trained in the proper operation and maintenance of the UST system.
Violation Notes: Returned to compliance on 01/29/2016.
Violation Division: San Diego County Department of Env Health
Violation Program: UST
Violation Source: CERS,

Site ID: 27461
Site Name: EDCO WASTE & RECYCLING SERVICE
Violation Date: 01-25-2017
Citation: 22 CCR 15 66265.193 - California Code of Regulations, Title 22, Chapter 15, Section(s) 66265.193
Violation Description: Failure to meet required secondary containment requirements for hazardous waste tank systems or components.
Violation Notes: Returned to compliance on 02/17/2017.
Violation Division: San Diego County Department of Env Health
Violation Program: HW

SOLID WASTE SERVICES (Continued) **S104234424**

Violation Source:	CERS,
Site ID:	27461
Site Name:	EDCO WASTE & RECYCLING SERVICE
Violation Date:	01-23-2018
Citation:	HSC 6.95 25508.1(a)-(f) - California Health and Safety Code, Chapter 6.95, Section(s) 25508.1(a)-(f)
Violation Description:	Failure to electronically update business plan within 30 days of any one of the following events: A 100 percent or more increase in the quantity of a previously disclosed material. Any handling of a previously undisclosed hazardous materials at or above reportable quantities. A change of business address, business ownership, or business name. A substantial change in the handler's operations that requires modification to any portion of the business plan.
Violation Notes:	Returned to compliance on 02/02/2018.
Violation Division:	San Diego County Department of Env Health
Violation Program:	HMRRP
Violation Source:	CERS,
Site ID:	27461
Site Name:	EDCO WASTE & RECYCLING SERVICE
Violation Date:	01-30-2014
Citation:	22 CCR 15 66265.195(a) - California Code of Regulations, Title 22, Chapter 15, Section(s) 66265.195(a)
Violation Description:	Failure of the owner or operator to conduct inspections and maintain inspection records at the facility of the following tank equipment: 1) Overfill/spill control equipment (e.g., waste-feed cutoff systems, bypass systems, and drainage systems) to ensure that it is in good working order; 2) The aboveground portions of the tank system, if any, to detect corrosion or releases of waste; 3) Data gathered from monitoring equipment and leak-detection equipment, (e.g., pressure and temperature gauges, monitoring wells) to ensure that the tank system is being operated according to its design; 4) The construction materials and the area immediately surrounding the externally accessible portion of the tank system including secondary containment structures (e.g., dikes) to detect erosion or signs of releases of hazardous waste (e.g., wet spots, dead vegetation); and 5) For uncovered tanks, the level of waste in the tank, to ensure compliance with section 66265.194(b)(3).
Violation Notes:	Returned to compliance on 02/11/2014. Inspection Sequence ID:4902383
Violation Division:	San Diego County Department of Env Health
Violation Program:	HW
Violation Source:	CERS,
Site ID:	27461
Site Name:	EDCO WASTE & RECYCLING SERVICE
Violation Date:	01-25-2017
Citation:	HSC 6.67 25270.4.5(a) - California Health and Safety Code, Chapter 6.67, Section(s) 25270.4.5(a)
Violation Description:	"Failure to amend the SPCC Plan within 6 months: 1. When the facility has had a change in design, construction, operation, or maintenance which affects the facility s discharge potential. AND/OR 2. To include more effective proven technology at the time of the 5-year SPCC Plan review and evaluation."
Violation Notes:	Returned to compliance on 02/15/2017.
Violation Division:	San Diego County Department of Env Health
Violation Program:	APSA

SOLID WASTE SERVICES (Continued) **S104234424**

Violation Source: CERS,

Site ID: 27461
Site Name: EDCO WASTE & RECYCLING SERVICE
Violation Date: 08-25-2021
Citation: 22 CCR 12 66262.34(f) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.34(f)
Violation Description: Failure to properly label hazardous waste accumulation containers with the following requirements: "Hazardous Waste", name and address of the generator, physical and chemical characteristics of the Hazardous Waste, and starting accumulation date.
Violation Notes: Returned to compliance on 09/23/2021. Inspection Sequence ID:6801228
Violation Division: San Diego County Department of Env Health
Violation Program: HW
Violation Source: CERS,

Site ID: 27461
Site Name: EDCO WASTE & RECYCLING SERVICE
Violation Date: 01-26-2016
Citation: 22 CCR 12 66262.34(f) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.34(f)
Violation Description: Failure to properly label hazardous waste accumulation containers with the following requirements: "Hazardous Waste", name and address of the generator, physical and chemical characteristics of the Hazardous Waste, and starting accumulation date.
Violation Notes: Returned to compliance on 01/26/2016.
Violation Division: San Diego County Department of Env Health
Violation Program: HW
Violation Source: CERS,

Site ID: 27461
Site Name: EDCO WASTE & RECYCLING SERVICE
Violation Date: 08-25-2021
Citation: 22 CCR 15 66265.172 - California Code of Regulations, Title 22, Chapter 15, Section(s) 66265.172
Violation Description: Failure to accumulate or store hazardous waste in container made of or lined with materials which will not react with, and are otherwise compatible with, the hazardous waste to be stored, so that the ability of the container to contain the waste is not impaired.
Violation Notes: Returned to compliance on 09/10/2021. Inspection Sequence ID:6801228
Violation Division: San Diego County Department of Env Health
Violation Program: HW
Violation Source: CERS,

Evaluation:
Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-23-2018
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Inspector: Calcagno Leonardo Inspection ID:5811950
Eval Division: San Diego County Department of Env Health
Eval Program: APSA
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-23-2018
Violations Found: Yes

SOLID WASTE SERVICES (Continued) **S104234424**

Eval Type: Routine done by local agency
Eval Notes: Inspector: Calcagno Leonardo Inspection ID:5811950
Eval Division: San Diego County Department of Env Health
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-25-2017
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Inspector: Fitzmaurice Mark Inspection ID:5646965
Eval Division: San Diego County Department of Env Health
Eval Program: APSA
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-25-2017
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Inspector: Fitzmaurice Mark Inspection ID:5646965
Eval Division: San Diego County Department of Env Health
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-26-2016
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Inspector: Calcagno Leonardo Inspection ID:5206915
Eval Division: San Diego County Department of Env Health
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-30-2014
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Inspector: Beacon Ellen Inspection ID:4902383
Eval Division: San Diego County Department of Env Health
Eval Program: UST
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-21-2021
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Inspector: Valdez Kevin Inspection ID:6408415
Eval Division: San Diego County Department of Env Health
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-23-2018
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Inspector: Calcagno Leonardo Inspection ID:5811950
Eval Division: San Diego County Department of Env Health

SOLID WASTE SERVICES (Continued) **S104234424**

Eval Program: UST
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-23-2018
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Inspector: Calcagno Leonardo Inspection ID:5811950
Eval Division: San Diego County Department of Env Health
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-25-2017
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Inspector: Fitzmaurice Mark Inspection ID:5646965
Eval Division: San Diego County Department of Env Health
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-25-2017
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Inspector: Fitzmaurice Mark Inspection ID:5646965
Eval Division: San Diego County Department of Env Health
Eval Program: UST
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-26-2016
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Inspector: Calcagno Leonardo Inspection ID:5206915
Eval Division: San Diego County Department of Env Health
Eval Program: APSA
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-26-2016
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Inspector: Calcagno Leonardo Inspection ID:5206915
Eval Division: San Diego County Department of Env Health
Eval Program: UST
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-30-2014
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Inspector: Beacon Ellen Inspection ID:4902383
Eval Division: San Diego County Department of Env Health
Eval Program: APSA
Eval Source: CERS,

SOLID WASTE SERVICES (Continued) **S104234424**

Eval General Type: Compliance Evaluation Inspection
Eval Date: 08-25-2021
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Inspector: Valdez Kevin Inspection ID:6801228
Eval Division: San Diego County Department of Env Health
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-26-2016
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Inspector: Calcagno Leonardo Inspection ID:5206915
Eval Division: San Diego County Department of Env Health
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-30-2014
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Inspector: Beacon Ellen Inspection ID:4902383
Eval Division: San Diego County Department of Env Health
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-30-2014
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Inspector: Beacon Ellen Inspection ID:4902383
Eval Division: San Diego County Department of Env Health
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-30-2015
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Inspector: Oglesby Margaret Inspection ID:5158582
Eval Division: San Diego County Department of Env Health
Eval Program: UST
Eval Source: CERS,

Coordinates:
Site ID: 27461
Facility Name: EDCO WASTE & RECYCLING SERVICE
Env Int Type Code: HWG
Program ID: 10375948
Coord Name: Not reported
Ref Point Type Desc: Center of a facility or station.,
Latitude: 33.141400
Longitude: -117.193680

Affiliation:

SOLID WASTE SERVICES (Continued) **S104234424**

Affiliation Type Desc:	CUPA District
Entity Name:	San Diego County Env Health Qlty
Entity Title:	Not reported
Affiliation Address:	PO Box 129261
Affiliation City:	San Diego
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92112-9261
Affiliation Phone:	(858) 505-6880,

Affiliation Type Desc:	Environmental Contact
Entity Name:	Ricardo Osunabaez
Entity Title:	Not reported
Affiliation Address:	224 S LAS POSAS RD
Affiliation City:	SAN MARCOS
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92078-2421
Affiliation Phone:	,

Affiliation Type Desc:	Operator
Entity Name:	EDCO WASTE & RECYCLING SVC, INC
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	(760) 744-5615,

Affiliation Type Desc:	Parent Corporation
Entity Name:	EDCO DISPOSAL CORPORATION
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,

Affiliation Type Desc:	Property Owner
Entity Name:	FEDERAL BOULEVARD PROPERTIES L
Entity Title:	Not reported
Affiliation Address:	6670 FEDERAL BLVD
Affiliation City:	LEMON GROVE
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	91945
Affiliation Phone:	(619) 287-7555,

Affiliation Type Desc:	Document Preparer
Entity Name:	Lucia Gomez
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported

SOLID WASTE SERVICES (Continued) **S104234424**

Affiliation Zip: Not reported
Affiliation Phone: ,

Affiliation Type Desc: Identification Signer
Entity Name: Ricardo Osunabaez
Entity Title: EHS Director
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Affiliation Type Desc: Legal Owner
Entity Name: EDWARD BURR
Entity Title: Not reported
Affiliation Address: 224 S Las Posas Rd
Affiliation City: SAN MARCOS
Affiliation State: CA
Affiliation Country: United States
Affiliation Zip: 92078
Affiliation Phone: (619) 287-7555,

Affiliation Type Desc: Facility Mailing Address
Entity Name: Mailing Address
Entity Title: Not reported
Affiliation Address: 224 S LAS POSAS RD
Affiliation City: SAN MARCOS
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 92078-2421
Affiliation Phone: ,

Z159 **FIRST NATIONAL BANK** **LUST** **S100736122**
SSE **885 SAN MARCOS BLVD** **SAN DIEGO CO. SAM** **N/A**
1/4-1/2 **SAN MARCOS, CA 92069** **Cortese**
0.281 mi. **CERS**
1486 ft. **Site 2 of 3 in cluster Z**

Relative: **Lower**

Actual: **540 ft.**

LUST REG 9:
Region: 9
Status: Case Closed
Case Number: 9UT2319
Local Case: H32266-001
Substance: Gasoline
Qty Leaked: Not reported
Abate Method: Excavate and Dispose - remove contaminated soil and dispose in approved site
Local Agency: San Diego
How Found: Tank Closure
How Stopped: Close Tank
Source: Tank
Cause: Corrosion
Lead Agency: Local Agency
Case Type: Soil only
Date Found: 10/20/1992
Date Stopped: 10/20/1992

FIRST NATIONAL BANK (Continued) **S100736122**

Confirm Date: 10/20/1992
Submit Workplan: Not reported
Prelim Assess: 10/15/1992
Desc Pollution: Not reported
Remed Plan: / /
Remed Action: Not reported
Began Monitor: Not reported
Release Date: 10/20/1992
Enforce Date: Not reported
Closed Date: 5/10/94
Enforce Type: Not reported
Pilot Program: LOP
Basin Number: 904.52
GW Depth: 10'
Beneficial Use: Municipal groundwater use
NPDES Number: Not reported
Priority: Low priority. Priority ranking can change over time.
File Dispn: File discarded, case closed
Interim Remedial Actions: Yes
Cleanup and Abatement order Number: Not reported
Waste Discharge Requirement Number: Not reported

SAN DIEGO CO. SAM:
Name: FIRST NATIONAL BANK/N COUNTY
Address: 885 SAN MARCOS BL
City,State,Zip: SAN MARCOS, CA 92069
Case Number: H32266-001
Agency: DEH Site Assessment & Mitigation
Funding: **LOP - Federal Fund**
Facility Type: Soils Only
Facility Status: Closed Case
Date: 5/10/1994
Date Began: 10/15/1992

CORTESE:
Name: FIRST NATIONAL BANK/N COUNTY
Address: 885 SAN MARCOS BL
City,State,Zip: SAN MARCOS, CA 92069
Region: CORTESE
Envirostor Id: Not reported
Global ID: T0607301088
Site/Facility Type: LUST CLEANUP SITE
Cleanup Status: COMPLETED - CASE CLOSED
Status Date: Not reported
Site Code: Not reported
Latitude: Not reported
Longitude: Not reported
Owner: Not reported
Enf Type: Not reported
Swat R: Not reported
Flag: active
Order No: Not reported
Waste Discharge System No: Not reported
Effective Date: Not reported
Region 2: Not reported
WID Id: Not reported

FIRST NATIONAL BANK (Continued) **S100736122**

Solid Waste Id No: Not reported
Waste Management Uit Name: Not reported
File Name: Active Open

CERS:
Name: FIRST NATIONAL BANK/N COUNTY
Address: 885 SAN MARCOS BL
City,State,Zip: SAN MARCOS, CA 92069
Site ID: 217015
CERS ID: T0607301088
CERS Description: Leaking Underground Storage Tank Cleanup Site

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Z160 **FIRST NATIONAL BANK** **LUST** **S104753084**
SSE **885 SAN MARCOS** **HIST CORTESE** **N/A**
1/4-1/2 **SAN MARCOS, CA 92069**
0.281 mi.
1486 ft. **Site 3 of 3 in cluster Z**

Relative:
Lower

Actual:
540 ft.

LUST:
Name: FIRST NATIONAL BANK/N COUNTY
Address: 885 SAN MARCOS BL
City,State,Zip: SAN MARCOS, CA 92069
Lead Agency: SAN DIEGO COUNTY LOP
Case Type: LUST Cleanup Site
Geo Track: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0607301088
Global Id: T0607301088
Latitude: 33.1356058
Longitude: -117.1846078
Status: Completed - Case Closed
Status Date: 05/10/1994
Case Worker: Not reported
RB Case Number: 9UT2319
Local Agency: Not reported
File Location: Local Agency
Local Case Number: H32266-001
Potential Media Affect: Soil
Potential Contaminants of Concern: Gasoline
Site History: Not reported

LUST:
Global Id: T0607301088
Action Type: Other
Date: 10/15/1992
Action: Leak Reported

Global Id: T0607301088
Action Type: Other
Date: 10/15/1992
Action: Leak Began

Global Id: T0607301088
Action Type: ENFORCEMENT
Date: 12/08/1992
Action: Notice of Responsibility

Global Id: T0607301088
Action Type: Other
Date: 10/20/1992

FIRST NATIONAL BANK (Continued) **S104753084**

Action: Leak Stopped

Global Id: T0607301088
Action Type: Other
Date: 10/15/1992
Action: Leak Discovery

LUST:
Global Id: T0607301088
Status: Open - Case Begin Date
Status Date: 10/15/1992

Global Id: T0607301088
Status: Completed - Case Closed
Status Date: 05/10/1994

HIST CORTESE:
edr_fname: FIRST NATIONAL BANK
edr_fadd1: 885 SAN MARCOS
City,State,Zip: SAN MARCOS, CA 92069
Region: CORTESE
Facility County Code: 37
Reg By: LTNKA
Reg Id: 9UT2319

X161 **SIGNET ARMORLITE, INCORPORATED** **CPS-SLIC** **S106519125**
NNE **1001 ARMORLITE DR.** **N/A**
1/4-1/2 **SAN MARCOS, CA 92069**
0.287 mi.
1513 ft. **Site 2 of 3 in cluster X**

Relative:
Higher

Actual:
560 ft.

SLIC REG 9:
Name: SIGNET ARMORLITE, INCORPORATED
Address: 1001 ARMORLITE DR.
City: SAN MARCOS
Region: 9
Facilty Type: Cleanup And Abatement Order
Status: Open
Sort Code: 20-0274.051
Waste Discharger Id: 9 000274N97
Local Case Num: 2091500
Responsible Party: SIGNET ARMORLITE, INCORPORATED
Category: ENF. REPORT
Class: SLIC
Order Number: Not reported
File Number: 9
Date Entered: 09/2003
End Date: Not reported
Archive Box #: 0
Archive Box Storage: Not reported
Archive Box Storage Location: Not reported
Remarks: Not reported

Name: SIGNET ARMORLITE, INCORPORATED
Address: 1001 ARMORLITE DR.
City: SAN MARCOS

SIGNET ARMORLITE, INCORPORATED (Continued) **S106519125**

Region:	9
Facilty Type:	Cleanup And Abatement Order
Status:	Dead
Sort Code:	20-0274.051
Waste Discharger Id:	9 000274N97
Local Case Num:	2091500
Responsible Party:	SIGNET ARMORLITE, INCORPORATED
Category:	ENF. REPORT
Class:	SLIC
Order Number:	Not reported
File Number:	2
Date Entered:	03/1994
End Date:	04/1996
Archive Box #:	926
Archive Box Storage:	3-1-15F
Archive Box Storage Location:	Not reported
Remarks:	Not reported

Name:	SIGNET ARMORLITE, INCORPORATED
Address:	1001 ARMORLITE DR.
City:	SAN MARCOS
Region:	9
Facilty Type:	Cleanup And Abatement Order
Status:	Dead
Sort Code:	20-0274.05
Waste Discharger Id:	9 000274N97
Local Case Num:	2091500
Responsible Party:	SIGNET ARMORLITE, INCORPORATED
Category:	ENFORCEMENT
Class:	SLIC
Order Number:	Not reported
File Number:	1
Date Entered:	08/1987
End Date:	08/1993
Archive Box #:	926
Archive Box Storage:	3-1-15F
Archive Box Storage Location:	Not reported
Remarks:	Not reported

Name:	SIGNET ARMORLITE, INCORPORATED
Address:	1001 ARMORLITE DR.
City:	SAN MARCOS
Region:	9
Facilty Type:	Cleanup And Abatement Order
Status:	Closed
Sort Code:	20-0274.05
Waste Discharger Id:	9 000274N97
Local Case Num:	2091500
Responsible Party:	SIGNET ARMORLITE, INCORPORATED
Category:	ENFORCEMENT
Class:	SLIC
Order Number:	Not reported
File Number:	2
Date Entered:	09/1993
End Date:	06/1998
Archive Box #:	0
Archive Box Storage:	Not reported

SIGNET ARMORLITE, INCORPORATED (Continued) **S106519125**

Archive Box Storage Location: Not reported
Remarks: Not reported

Name: SIGNET ARMORLITE, INCORPORATED
Address: 1001 ARMORLITE DR.
City: SAN MARCOS
Region: 9
Facilty Type: Cleanup And Abatement Order
Status: Closed
Sort Code: 20-0274.05
Waste Discharger Id: 9 000274N97
Local Case Num: 2091500
Responsible Party: SIGNET ARMORLITE, INCORPORATED
Category: ENFORCEMENT
Class: SLIC
Order Number: Not reported
File Number: 3
Date Entered: 06/1998
End Date: 08/2000
Archive Box #: 0
Archive Box Storage: Not reported
Archive Box Storage Location: Not reported
Remarks: Not reported

Name: SIGNET ARMORLITE, INCORPORATED
Address: 1001 ARMORLITE DR.
City: SAN MARCOS
Region: 9
Facilty Type: Cleanup And Abatement Order
Status: Open
Sort Code: 20-0274.05
Waste Discharger Id: 9 000274N97
Local Case Num: 2091500
Responsible Party: SIGNET ARMORLITE, INCORPORATED
Category: ENFORCEMENT
Class: SLIC
Order Number: Not reported
File Number: 4
Date Entered: 08/2000
End Date: Not reported
Archive Box #: 0
Archive Box Storage: Not reported
Archive Box Storage Location: Not reported
Remarks: Not reported

Name: SIGNET ARMORLITE, INCORPORATED
Address: 1001 ARMORLITE DR.
City: SAN MARCOS
Region: 9
Facilty Type: Cleanup And Abatement Order
Status: Closed
Sort Code: 20-0274.051
Waste Discharger Id: 9 000274N97
Local Case Num: 2091500
Responsible Party: SIGNET ARMORLITE, INCORPORATED
Category: ENF. REPORT
Class: SLIC

SIGNET ARMORLITE, INCORPORATED (Continued) **S106519125**

Order Number: Not reported
File Number: 1
Date Entered: 01/1993
End Date: 02/1994
Archive Box #: 0
Archive Box Storage: Not reported
Archive Box Storage Location: Not reported
Remarks: Not reported

Name: SIGNET ARMORLITE, INCORPORATED
Address: 1001 ARMORLITE DR.
City: SAN MARCOS
Region: 9
Facilty Type: Cleanup And Abatement Order
Status: Closed
Sort Code: 20-0274.051
Waste Discharger Id: 9 000274N97
Local Case Num: 2091500
Responsible Party: SIGNET ARMORLITE, INCORPORATED
Category: ENF. REPORT
Class: SLIC
Order Number: Not reported
File Number: 2.200
Date Entered: 04/1994
End Date: 04/1996
Archive Box #: 0
Archive Box Storage: Not reported
Archive Box Storage Location: Not reported
Remarks: Not reported

Name: SIGNET ARMORLITE, INCORPORATED
Address: 1001 ARMORLITE DR.
City: SAN MARCOS
Region: 9
Facilty Type: Cleanup And Abatement Order
Status: Closed
Sort Code: 20-0274.051
Waste Discharger Id: 9 000274N97
Local Case Num: 2091500
Responsible Party: SIGNET ARMORLITE, INCORPORATED
Category: ENF. REPORT
Class: SLIC
Order Number: Not reported
File Number: 3
Date Entered: 05/1996
End Date: 09/1996
Archive Box #: 0
Archive Box Storage: Not reported
Archive Box Storage Location: Not reported
Remarks: Not reported

Name: SIGNET ARMORLITE, INCORPORATED
Address: 1001 ARMORLITE DR.
City: SAN MARCOS
Region: 9
Facilty Type: Cleanup And Abatement Order
Status: Closed

SIGNET ARMORLITE, INCORPORATED (Continued) **S106519125**

Sort Code:	20-0274.051
Waste Discharger Id:	9 000274N97
Local Case Num:	2091500
Responsible Party:	SIGNET ARMORLITE, INCORPORATED
Category:	ENF. REPORT
Class:	SLIC
Order Number:	Not reported
File Number:	4
Date Entered:	10/1996
End Date:	03/1997
Archive Box #:	0
Archive Box Storage:	Not reported
Archive Box Storage Location:	Not reported
Remarks:	Not reported

Name:	SIGNET ARMORLITE, INCORPORATED
Address:	1001 ARMORLITE DR.
City:	SAN MARCOS
Region:	9
Facilty Type:	Cleanup And Abatement Order
Status:	Closed
Sort Code:	20-0274.051
Waste Discharger Id:	9 000274N97
Local Case Num:	2091500
Responsible Party:	SIGNET ARMORLITE, INCORPORATED
Category:	ENF. REPORT
Class:	SLIC
Order Number:	Not reported
File Number:	5
Date Entered:	04/1997
End Date:	05/1998
Archive Box #:	0
Archive Box Storage:	Not reported
Archive Box Storage Location:	Not reported
Remarks:	Not reported

Name:	SIGNET ARMORLITE, INCORPORATED
Address:	1001 ARMORLITE DR.
City:	SAN MARCOS
Region:	9
Facilty Type:	Cleanup And Abatement Order
Status:	Closed
Sort Code:	20-0274.051
Waste Discharger Id:	9 000274N97
Local Case Num:	2091500
Responsible Party:	SIGNET ARMORLITE, INCORPORATED
Category:	ENF. REPORT
Class:	SLIC
Order Number:	Not reported
File Number:	6
Date Entered:	06/1998
End Date:	03/2000
Archive Box #:	0
Archive Box Storage:	Not reported
Archive Box Storage Location:	Not reported
Remarks:	Not reported

SIGNET ARMORLITE, INCORPORATED (Continued) **S106519125**

Name:	SIGNET ARMORLITE, INCORPORATED
Address:	1001 ARMORLITE DR.
City:	SAN MARCOS
Region:	9
Facilty Type:	Cleanup And Abatement Order
Status:	Closed
Sort Code:	20-0274.051
Waste Discharger Id:	9 000274N97
Local Case Num:	2091500
Responsible Party:	SIGNET ARMORLITE, INCORPORATED
Category:	ENF. REPORT
Class:	SLIC
Order Number:	Not reported
File Number:	7
Date Entered:	04/2000
End Date:	08/2001
Archive Box #:	0
Archive Box Storage:	Not reported
Archive Box Storage Location:	Not reported
Remarks:	Not reported

Name:	SIGNET ARMORLITE, INCORPORATED
Address:	1001 ARMORLITE DR.
City:	SAN MARCOS
Region:	9
Facilty Type:	Cleanup And Abatement Order
Status:	Closed
Sort Code:	20-0274.051
Waste Discharger Id:	9 000274N97
Local Case Num:	2091500
Responsible Party:	SIGNET ARMORLITE, INCORPORATED
Category:	ENF. REPORT
Class:	SLIC
Order Number:	Not reported
File Number:	8
Date Entered:	09/2001
End Date:	08/2003
Archive Box #:	0
Archive Box Storage:	Not reported
Archive Box Storage Location:	Not reported
Remarks:	Not reported

X162 | **SIGNET ARMORLITE, INC.** | **SEMS-ARCHIVE** | **1000314091**
NNE | **1001 ARMORLITE DRIVE** | **CORRACTS** | **CAD008362634**
1/4-1/2 | **SAN MARCOS, CA 92069** | **RCRA-TSDF**
0.287 mi. | | **RCRA-LQG**
1513 ft. | **Site 3 of 3 in cluster X** | **ENVIROSTOR**
LUST
Relative: | **SAN DIEGO CO. SAM**
Higher | **CPS-SLIC**
San Diego Co. HMMD
Actual: | **DEED**
560 ft. | **2020 COR ACTION**
ICIS
US AIRS
Cortese
EMI
ENF
HAZNET
HIST CORTESE
HWP
SAN DIEGO CO LOP
CIWQS
CERS
HWTS

SEMS Archive:

Site ID:	0900209
EPA ID:	CAD008362634
Name:	SIGNET ARMORLITE
Address:	130 N BINGHAM DR
Address 2:	Not reported
City,State,Zip:	SAN MARCOS, CA 92069
Cong District:	43
FIPS Code:	06073
FF:	N
NPL:	Not on the NPL
Non NPL Status:	Deferred to RCRA (Subtitle C)

SEMS Archive Detail:

Region:	09
Site ID:	0900209
EPA ID:	CAD008362634
Site Name:	SIGNET ARMORLITE
NPL:	N
FF:	N
OU:	00
Action Code:	VS
Action Name:	ARCH SITE
SEQ:	1
Start Date:	Not reported
Finish Date:	1996-01-23 05:00:00
Qual:	Not reported
Current Action Lead:	EPA Perf In-Hse

Region:	09
Site ID:	0900209
EPA ID:	CAD008362634
Site Name:	SIGNET ARMORLITE
NPL:	N
FF:	N
OU:	00

SIGNET ARMORLITE, INC. (Continued) **1000314091**

Action Code: DS
Action Name: DISCVRY
SEQ: 1
Start Date: 1991-03-01 05:00:00
Finish Date: 1991-03-01 05:00:00
Qual: Not reported
Current Action Lead: EPA Perf

Region: 09
Site ID: 0900209
EPA ID: CAD008362634
Site Name: SIGNET ARMORLITE
NPL: N
FF: N
OU: 00
Action Code: PA
Action Name: PA
SEQ: 1
Start Date: Not reported
Finish Date: 1991-08-26 04:00:00
Qual: D
Current Action Lead: EPA Perf

CORRACTS:
Name: SIGNET ARMORLITE, INC.
Address: 1001 ARMORLITE DRIVE
Address 2: Not reported
EPA ID: CAD008362634
Area Name: ENTIRE FACILITY
Corrective Action: STABILIZATION/INTERIM MEASURES DECISION-GROUNDWATER EXTRACTION and TREATMENT
Actual Date: 19960101
Air Release Indicator: Not reported
Groundwater Release Indicator: Not reported
Soil Release Indicator: Not reported
Surface Water Release Indicator: Not reported

Name: SIGNET ARMORLITE, INC.
Address: 1001 ARMORLITE DRIVE
Address 2: Not reported
EPA ID: CAD008362634
Area Name: ENTIRE FACILITY
Corrective Action: STABILIZATION/INTERIM MEASURES DECISION-PRIMARY MEAS IS SOURCE REMOVL and/OR TRT
Actual Date: 19960101
Air Release Indicator: Not reported
Groundwater Release Indicator: Not reported
Soil Release Indicator: Not reported
Surface Water Release Indicator: Not reported

Name: SIGNET ARMORLITE, INC.
Address: 1001 ARMORLITE DRIVE
Address 2: Not reported
EPA ID: CAD008362634
Area Name: ENTIRE FACILITY
Corrective Action: HUMAN EXPOSURES CONTROLLED DETERMINATION-YES, APPLICABLE AS OF THIS

SIGNET ARMORLITE, INC. (Continued) **1000314091**

DATE
Actual Date: 19971215
Air Release Indicator: Not reported
Groundwater Release Indicator: Not reported
Soil Release Indicator: Not reported
Surface Water Release Indicator: Not reported

Name: SIGNET ARMORLITE, INC.
Address: 1001 ARMORLITE DRIVE
Address 2: Not reported
EPA ID: CAD008362634
Area Name: ENTIRE FACILITY
Corrective Action: RELEASE TO GW CONTROLLED DETERMINATION-FACILITY DOES NOT MEET DEFINITION
Actual Date: 19971215
Air Release Indicator: Not reported
Groundwater Release Indicator: Not reported
Soil Release Indicator: Not reported
Surface Water Release Indicator: Not reported

Name: SIGNET ARMORLITE, INC.
Address: 1001 ARMORLITE DRIVE
Address 2: Not reported
EPA ID: CAD008362634
Area Name: ENTIRE FACILITY
Corrective Action: REMEDY CONSTRUCTION-REMEDY CONSTRUCTED
Actual Date: 20180611
Air Release Indicator: Not reported
Groundwater Release Indicator: Not reported
Soil Release Indicator: Not reported
Surface Water Release Indicator: Not reported

Name: SIGNET ARMORLITE, INC.
Address: 1001 ARMORLITE DRIVE
Address 2: Not reported
EPA ID: CAD008362634
Area Name: ENTIRE FACILITY
Corrective Action: RELEASE TO GW CONTROLLED DETERMINATION-YES, APPLICABLE AS OF THIS DATE
Actual Date: 20180611
Air Release Indicator: Not reported
Groundwater Release Indicator: Not reported
Soil Release Indicator: Not reported
Surface Water Release Indicator: Not reported

RCRA Listings:
Date Form Received by Agency: 20120229
Handler Name: SIGNET ARMORLITE, INC.
Handler Address: 1001 ARMORLITE DRIVE
Handler City,State,Zip: SAN MARCOS, CA 92069
EPA ID: CAD008362634
Contact Name: JOHN T HINGEY
Contact Address: ARMORLITE DRIVE
Contact City,State,Zip: SAN MARCOS, CA 92069
Contact Telephone: 760-744-4000
Contact Fax: 760-471-6255
Contact Email: JHINGEY@SIGNETARMOLITE.COM
Contact Title: V.P. OF MANUFACTURING

SIGNET ARMORLITE, INC. (Continued) **1000314091**

EPA Region:		09
Land Type:		Private
Federal Waste Generator Description:		Large Quantity Generator
Non-Notifier:		Not reported
Biennial Report Cycle:		2011
Accessibility:		Not reported
Active Site Indicator:		Handler Activities, Corrective Action Activities
State District Owner:		Not reported
State District:		Not reported
Mailing Address:		ARMORLITE DRIVE
Mailing City,State,Zip:		SAN MARCOS, CA 92069
Owner Name:	EDA HOLDINGS CO, INC.	
Owner Type:		Private
Operator Name:	EDA HOLDINGS CO, INC.	
Operator Type:		Private
Short-Term Generator Activity:		No
Importer Activity:		No
Mixed Waste Generator:		No
Transporter Activity:		No
Transfer Facility Activity:		No
Recycler Activity with Storage:		No
Small Quantity On-Site Burner Exemption:		No
Smelting Melting and Refining Furnace Exemption:		No
Underground Injection Control:		No
Off-Site Waste Receipt:		No
Universal Waste Indicator:		No
Universal Waste Destination Facility:		No
Federal Universal Waste:		No
Active Site Fed-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site Converter Treatment storage and Disposal Facility:		Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site State-Reg Handler:		---
Federal Facility Indicator:		Not reported
Hazardous Secondary Material Indicator:		NN
Sub-Part K Indicator:		Not reported
Commercial TSD Indicator:		No
Treatment Storage and Disposal Type:		Storage, Treatment
2018 GPRA Permit Baseline:		Not on the Baseline
2018 GPRA Renewals Baseline:		Not on the Baseline
Permit Renewals Workload Universe:		Not reported
Permit Workload Universe:		Not reported
Permit Progress Universe:		Storage, Treatment
Post-Closure Workload Universe:		Not reported
Closure Workload Universe:		Not reported
202 GPRA Corrective Action Baseline:		Yes
Corrective Action Workload Universe:		Yes
Subject to Corrective Action Universe:		Yes
Non-TSDFs Where RCRA CA has Been Imposed Universe:		No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:		No
TSDFs Only Subject to CA under Discretionary Auth Universe:		Yes
Corrective Action Priority Ranking:		No NCAPS ranking
Environmental Control Indicator:		No
Institutional Control Indicator:		No
Human Exposure Controls Indicator:		Yes
Groundwater Controls Indicator:		Yes
Operating TSDF Universe:		Not reported
Full Enforcement Universe:		Not reported

SIGNET ARMORLITE, INC. (Continued) **1000314091**

Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20121106
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	Not reported
Manifest Broker:	Not reported
Sub-Part P Indicator:	No

Biennial: List of Years
Year: 2011

Click Here for Biennial Reporting System Data:
Year: 2009

Click Here for Biennial Reporting System Data:
Year: 2007

Click Here for Biennial Reporting System Data:
Year: 2003

Click Here for Biennial Reporting System Data:
Year: 2001

Click Here for Biennial Reporting System Data:

Hazardous Waste Summary:

Waste Code:	D001
Waste Description:	IGNITABLE WASTE
Waste Code:	D002
Waste Description:	CORROSIVE WASTE
Waste Code:	D003
Waste Description:	REACTIVE WASTE
Waste Code:	D007
Waste Description:	CHROMIUM
Waste Code:	D009
Waste Description:	MERCURY
Waste Code:	D011
Waste Description:	SILVER
Waste Code:	D018
Waste Description:	BENZENE
Waste Code:	D035
Waste Description:	METHYL ETHYL KETONE

SIGNET ARMORLITE, INC. (Continued) **1000314091**

Waste Code: D039
Waste Description: TETRACHLOROETHYLENE

Waste Code: D040
Waste Description: TRICHLORETHYLENE

Waste Code: F001
Waste Description: THE FOLLOWING SPENT HALOGENATED SOLVENTS USED IN DEGREASING: TETRACHLOROETHYLENE, TRICHLORETHYLENE, METHYLENE CHLORIDE, 1,1,1-TRICHLOROETHANE, CARBON TETRACHLORIDE AND CHLORINATED FLUOROCARBONS; ALL SPENT SOLVENT MIXTURES/BLENDS USED IN DEGREASING CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Waste Code: F002
Waste Description: THE FOLLOWING SPENT HALOGENATED SOLVENTS: TETRACHLOROETHYLENE, METHYLENE CHLORIDE, TRICHLOROETHYLENE, 1,1,1-TRICHLOROETHANE, CHLOROBENZENE, 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE, ORTHO-DICHLOROBENZENE, TRICHLOROFLUOROMETHANE, AND 1,1,2, TRICHLOROETHANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Waste Code: F003
Waste Description: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Waste Code: P005
Waste Description: 2-PROPEN-1-OL (OR) ALLYL ALCOHOL

Waste Code: U002
Waste Description: 2-PROPANONE (I) (OR) ACETONE (I)

Waste Code: U007
Waste Description: 2-PROPENAMIDE (OR) ACRYLAMIDE

Waste Code: U080
Waste Description: METHANE, DICHLORO- (OR) METHYLENE CHLORIDE

Waste Code: U112
Waste Description: ACETIC ACID, ETHYL ESTER (I) (OR) ETHYL ACETATE (I)

Waste Code: U151
Waste Description: MERCURY

SIGNET ARMORLITE, INC. (Continued) **1000314091**

Waste Code: U154
Waste Description: METHANOL (I) (OR) METHYL ALCOHOL (I)

Waste Code: U220
Waste Description: BENZENE, METHYL- (OR) TOLUENE

Waste Code: U236
Waste Description: 2,7-NAPHTHALENEDISULFONIC ACID,3,3'-[(3,3'-DIMETHYL[1,1'-BIPHENYL]-4,4'-DIYL)BIS(AZO)BIS[5-AMINO -4-HYDROXY]-, TETRASODIUM SALT (OR) TRYPAN BLUE

Handler - Owner Operator:
Owner/Operator Indicator: Operator
Owner/Operator Name: EDA HOLDINGS CO, INC.
Legal Status: Private
Date Became Current: 20100401
Date Ended Current: Not reported
Owner/Operator Address: 135555 N STEMMONS FREEWAY
Owner/Operator City,State,Zip: DALLAS, TX 75234
Owner/Operator Telephone: 760-744-4000
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator
Owner/Operator Name: INDUSTRIE OTTICHE EUROPEE
Legal Status: Private
Date Became Current: 19970301
Date Ended Current: Not reported
Owner/Operator Address: Not reported
Owner/Operator City,State,Zip: Not reported
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner
Owner/Operator Name: INDUSTRIE OTTICHE EUROPEE
Legal Status: Private
Date Became Current: 19970301
Date Ended Current: Not reported
Owner/Operator Address: 1001 ARMORLITE DRIVE
Owner/Operator City,State,Zip: SAN MARCOS, CA 92069
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator
Owner/Operator Name: INDUSTRIE OTTICHE EUROPEE
Legal Status: Private
Date Became Current: 19970301
Date Ended Current: Not reported
Owner/Operator Address: Not reported
Owner/Operator City,State,Zip: Not reported
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported

SIGNET ARMORLITE, INC. (Continued) **1000314091**

Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner
Owner/Operator Name: INDUSTRIE OTTICHE EUROPEE
Legal Status: Private
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: VIA XX SETTEMBRE 12
Owner/Operator City,State,Zip: MILANO ITALY, CA 99999
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner
Owner/Operator Name: INDUSTRIE OTTICHE EUROPEE
Legal Status: Private
Date Became Current: 19970301
Date Ended Current: Not reported
Owner/Operator Address: 1001 ARMORLITE DRIVE
Owner/Operator City,State,Zip: SAN MARCOS, CA 92069
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner
Owner/Operator Name: ARMORLITE S.P.A
Legal Status: Private
Date Became Current: 19970301
Date Ended Current: Not reported
Owner/Operator Address: 1001 ARMORLITE DRIVE
Owner/Operator City,State,Zip: SAN MARCOS, CA 92069
Owner/Operator Telephone: 760-744-4000
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner
Owner/Operator Name: INDUSTRIE OTTICHE EUROPEE
Legal Status: Private
Date Became Current: 19970301
Date Ended Current: Not reported
Owner/Operator Address: 1001 ARMORLITE DRIVE
Owner/Operator City,State,Zip: SAN MARCOS, CA 92069
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator
Owner/Operator Name: INDUSTRIE OTTICHE EUROPEE
Legal Status: Private
Date Became Current: 19970301
Date Ended Current: Not reported
Owner/Operator Address: Not reported

SIGNET ARMORLITE, INC. (Continued) **1000314091**

Owner/Operator City,State,Zip:	Not reported
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Operator
Owner/Operator Name: ARMORLITE S.P.A.	
Legal Status:	Private
Date Became Current:	19970301
Date Ended Current:	Not reported
Owner/Operator Address:	1001 ARMORLITE DRIVE
Owner/Operator City,State,Zip:	SAN MARCOS, CA 92069
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Owner
Owner/Operator Name: EDA HOLDINGS CO, INC.	
Legal Status:	Private
Date Became Current:	20100401
Date Ended Current:	Not reported
Owner/Operator Address:	135555 N STEMMONS FREEWAY
Owner/Operator City,State,Zip:	DALLAS, TX 75234
Owner/Operator Telephone:	760-744-4000
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Operator
Owner/Operator Name: SIGNET ARMORLITE INC	
Legal Status:	Private
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	1001 ARMORLITE DR
Owner/Operator City,State,Zip:	SAN MARCOS, CA 92069
Owner/Operator Telephone:	619-744-4000
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	20100201
Handler Name: SIGNET ARMORLITE, INC.	
Federal Waste Generator Description:	Large Quantity Generator
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	No
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported
Receive Date:	20120229

SIGNET ARMORLITE, INC. (Continued) **1000314091**

Handler Name: SIGNET ARMORLITE, INC.
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 19960901
Handler Name: SIGNET ARMORLITE INC
Federal Waste Generator Description: Large Quantity Generator
State District Owner: CA
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20040310
Handler Name: SIGNET ARMORLITE, INC.
Federal Waste Generator Description: Small Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 19930513
Handler Name: SIGNET ARMORLITE INC
Federal Waste Generator Description: Large Quantity Generator
State District Owner: CA
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 19900413
Handler Name: SIGNET ARMORLITE INC
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No

SIGNET ARMORLITE, INC. (Continued) **1000314091**

Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	No
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

Receive Date:	19920224
Handler Name: SIGNET ARMORLITE, INC.	
Federal Waste Generator Description:	Large Quantity Generator
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	No
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

Receive Date:	19940309
Handler Name: SIGNET ARMORLITE INC	
Federal Waste Generator Description:	Large Quantity Generator
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	No
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

Receive Date:	19960226
Handler Name: SIGNET ARMORLITE, INC.	
Federal Waste Generator Description:	Large Quantity Generator
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	No
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

Receive Date:	19990304
Handler Name: SIGNET ARMORLITE, INC.	
Federal Waste Generator Description:	Large Quantity Generator
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	No
Non Storage Recycler Activity:	Not reported

SIGNET ARMORLITE, INC. (Continued) **1000314091**

Electronic Manifest Broker: Not reported

Receive Date: 20001012
Handler Name: SIGNET ARMORLITE
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20020227
Handler Name: SIGNET ARMORLITE INC.
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20040310
Handler Name: SIGNET ARMORLITE, INC.
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20080616
Handler Name: SIGNET ARMORLITE, INC.
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Code: 326199
NAICS Description: ALL OTHER PLASTICS PRODUCT MANUFACTURING

SIGNET ARMORLITE, INC. (Continued) **1000314091**

NAICS Code: 339115
NAICS Description: OPHTHALMIC GOODS MANUFACTURING

Facility Has Received Notices of Violation:

Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	Generators - General
Date Violation was Determined:	19920420
Actual Return to Compliance Date:	19920910
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	Generators - General
Date Violation was Determined:	20030908
Actual Return to Compliance Date:	20051027
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported

SIGNET ARMORLITE, INC. (Continued) **1000314091**

Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	TSD - General
Date Violation was Determined:	19920420
Actual Return to Compliance Date:	19920910
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported

SIGNET ARMORLITE, INC. (Continued) **1000314091**

Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	TSD - General
Date Violation was Determined:	19871021
Actual Return to Compliance Date:	19920313
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	19880124
Enforcement Identifier:	001
Date of Enforcement Action:	19871222
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	WRITTEN INFORMAL
Enforcement Responsible Person:	R9STA
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	TSD - Closure/Post-Closure
Date Violation was Determined:	19920420
Actual Return to Compliance Date:	19920910
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported

SIGNET ARMORLITE, INC. (Continued) **1000314091**

Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: TSD - Closure/Post-Closure
Date Violation was Determined: 19871021
Actual Return to Compliance Date: 19920910
Return to Compliance Qualifier: Observed
Violation Responsible Agency: State
Scheduled Compliance Date: 19880124
Enforcement Identifier: 001
Date of Enforcement Action: 19871222
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: R9STA
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported

SIGNET ARMORLITE, INC. (Continued) **1000314091**

Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	TSD - General
Date Violation was Determined:	19920420
Actual Return to Compliance Date:	19920910
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	Generators - General
Date Violation was Determined:	19900117
Actual Return to Compliance Date:	19910307
Return to Compliance Qualifier:	Unverifiable
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported

SIGNET ARMORLITE, INC. (Continued) **1000314091**

Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	TSD - Financial Requirements
Date Violation was Determined:	19880126
Actual Return to Compliance Date:	19890426
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	003
Date of Enforcement Action:	19890201
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	INITIAL 3008(A) COMPLIANCE
Enforcement Responsible Person:	R9STA
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	30000
Final Monetary Amount:	30000

SIGNET ARMORLITE, INC. (Continued) **1000314091**

Paid Amount:	Not reported
Final Count:	1
Final Amount:	30000
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	Generators - General
Date Violation was Determined:	19910307
Actual Return to Compliance Date:	19920313
Return to Compliance Qualifier:	Unverifiable
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	LDR - General
Date Violation was Determined:	19880121
Actual Return to Compliance Date:	19880725
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	001
Date of Enforcement Action:	19880705
Enforcement Responsible Agency:	EPA
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported

SIGNET ARMORLITE, INC. (Continued) **1000314091**

Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: R9EPA
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: No
Agency Which Determined Violation: Not reported
Violation Short Description: Not reported
Date Violation was Determined: Not reported
Actual Return to Compliance Date: Not reported
Return to Compliance Qualifier: Not reported
Violation Responsible Agency: Not reported
Scheduled Compliance Date: Not reported
Enforcement Identifier: Not reported
Date of Enforcement Action: Not reported
Enforcement Responsible Agency: Not reported
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: Not reported
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported

SIGNET ARMORLITE, INC. (Continued) **1000314091**

Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: TSD - Financial Requirements
Date Violation was Determined: 19880126
Actual Return to Compliance Date: 19890426
Return to Compliance Qualifier: Observed
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: 002
Date of Enforcement Action: 19880224
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: R9STA
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: Generators - General
Date Violation was Determined: 19930722
Actual Return to Compliance Date: 19980722
Return to Compliance Qualifier: Not Resolved
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: Not reported
Date of Enforcement Action: Not reported
Enforcement Responsible Agency: Not reported
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: Not reported
Appeal Initiated Date: Not reported

SIGNET ARMORLITE, INC. (Continued) **1000314091**

Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: No
Agency Which Determined Violation: Not reported
Violation Short Description: Not reported
Date Violation was Determined: Not reported
Actual Return to Compliance Date: Not reported
Return to Compliance Qualifier: Not reported
Violation Responsible Agency: Not reported
Scheduled Compliance Date: Not reported
Enforcement Identifier: Not reported
Date of Enforcement Action: Not reported
Enforcement Responsible Agency: Not reported
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: Not reported
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported

SIGNET ARMORLITE, INC. (Continued) **1000314091**

Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	TSD - General
Date Violation was Determined:	19920420
Actual Return to Compliance Date:	19920910
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	No
Agency Which Determined Violation:	Not reported
Violation Short Description:	Not reported
Date Violation was Determined:	Not reported
Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	Not reported
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported

SIGNET ARMORLITE, INC. (Continued) **1000314091**

Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: LDR - General
Date Violation was Determined: 19880121
Actual Return to Compliance Date: 19880725
Return to Compliance Qualifier: Observed
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: 001
Date of Enforcement Action: 19880705
Enforcement Responsible Agency: EPA
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: R9EPA
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported

SIGNET ARMORLITE, INC. (Continued) **1000314091**

Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Evaluation Action Summary:
Evaluation Date: 19920313
Evaluation Responsible Agency: State
Found Violation: Yes
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: R9STA
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: 19920910
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 20030908
Evaluation Responsible Agency: State Contractor/Grantee
Found Violation: Yes
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: Not reported
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: 20051027
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 19920313
Evaluation Responsible Agency: State
Found Violation: Yes
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: R9STA
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: 19920910
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 19871021
Evaluation Responsible Agency: State
Found Violation: Yes
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: R9STA
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: 19920313
Scheduled Compliance Date: 19880124
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

SIGNET ARMORLITE, INC. (Continued) **1000314091**

Evaluation Date:	19920313
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19920910
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	19871021
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19920910
Scheduled Compliance Date:	19880124
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	19920313
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19920910
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	19900117
Evaluation Responsible Agency:	State Contractor/Grantee
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19910307
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	19880126
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	FINANCIAL RECORD REVIEW
Evaluation Responsible Person Identifier:	R9STA

SIGNET ARMORLITE, INC. (Continued) **1000314091**

Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19890426
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19910307
Evaluation Responsible Agency:	State Contractor/Grantee
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19920313
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19880121
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19880725
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20061027
Evaluation Responsible Agency:	Local
Found Violation:	No
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19880126
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	FINANCIAL RECORD REVIEW
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19890426
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported

SIGNET ARMORLITE, INC. (Continued) **1000314091**

Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19930722
Evaluation Responsible Agency:	State Contractor/Grantee
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19980722
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20051027
Evaluation Responsible Agency:	Local
Found Violation:	No
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19920313
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19920910
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19920421
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	FINANCIAL RECORD REVIEW
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19880121
Evaluation Responsible Agency:	State

SIGNET ARMORLITE, INC. (Continued) **1000314091**

Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19880725
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

RCRA Listings:

Date Form Received by Agency:	20120229
Handler Name:	SIGNET ARMORLITE, INC.

SIGNET ARMORLITE, INC. (Continued) **1000314091**

Handler Address:		1001 ARMORLITE DRIVE
Handler City,State,Zip:		SAN MARCOS, CA 92069
EPA ID:		CAD008362634
Contact Name:		JOHN T HINGEY
Contact Address:		ARMORLITE DRIVE
Contact City,State,Zip:		SAN MARCOS, CA 92069
Contact Telephone:		760-744-4000
Contact Fax:		760-471-6255
Contact Email:		JHINGEY@SIGNETARMOLITE.COM
Contact Title:		V.P. OF MANUFACTURING
EPA Region:		09
Land Type:		Private
Federal Waste Generator Description:		Large Quantity Generator
Non-Notifier:		Not reported
Biennial Report Cycle:		2011
Accessibility:		Not reported
Active Site Indicator:		Handler Activities, Corrective Action Activities
State District Owner:		Not reported
State District:		Not reported
Mailing Address:		ARMORLITE DRIVE
Mailing City,State,Zip:		SAN MARCOS, CA 92069
Owner Name:	EDA HOLDINGS CO, INC.	
Owner Type:		Private
Operator Name:	EDA HOLDINGS CO, INC.	
Operator Type:		Private
Short-Term Generator Activity:		No
Importer Activity:		No
Mixed Waste Generator:		No
Transporter Activity:		No
Transfer Facility Activity:		No
Recycler Activity with Storage:		No
Small Quantity On-Site Burner Exemption:		No
Smelting Melting and Refining Furnace Exemption:		No
Underground Injection Control:		No
Off-Site Waste Receipt:		No
Universal Waste Indicator:		No
Universal Waste Destination Facility:		No
Federal Universal Waste:		No
Active Site Fed-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site Converter Treatment storage and Disposal Facility:		Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site State-Reg Handler:		---
Federal Facility Indicator:		Not reported
Hazardous Secondary Material Indicator:		NN
Sub-Part K Indicator:		Not reported
Commercial TSD Indicator:		No
Treatment Storage and Disposal Type:		Storage, Treatment
2018 GPRA Permit Baseline:		Not on the Baseline
2018 GPRA Renewals Baseline:		Not on the Baseline
Permit Renewals Workload Universe:		Not reported
Permit Workload Universe:		Not reported
Permit Progress Universe:		Storage, Treatment
Post-Closure Workload Universe:		Not reported
Closure Workload Universe:		Not reported
202 GPRA Corrective Action Baseline:		Yes
Corrective Action Workload Universe:		Yes
Subject to Corrective Action Universe:		Yes

SIGNET ARMORLITE, INC. (Continued) **1000314091**

Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	Yes
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	Yes
Groundwater Controls Indicator:	Yes
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20121106
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	Not reported
Manifest Broker:	Not reported
Sub-Part P Indicator:	No

Biennial: List of Years
Year: 2011

Click Here for Biennial Reporting System Data:
Year: 2009

Click Here for Biennial Reporting System Data:
Year: 2007

Click Here for Biennial Reporting System Data:
Year: 2003

Click Here for Biennial Reporting System Data:
Year: 2001

Click Here for Biennial Reporting System Data:

Hazardous Waste Summary:

Waste Code:	D001
Waste Description:	IGNITABLE WASTE
Waste Code:	D002
Waste Description:	CORROSIVE WASTE
Waste Code:	D003
Waste Description:	REACTIVE WASTE
Waste Code:	D007
Waste Description:	CHROMIUM
Waste Code:	D009
Waste Description:	MERCURY

SIGNET ARMORLITE, INC. (Continued) **1000314091**

Waste Code:	D011
Waste Description:	SILVER
Waste Code:	D018
Waste Description:	BENZENE
Waste Code:	D035
Waste Description:	METHYL ETHYL KETONE
Waste Code:	D039
Waste Description:	TETRACHLOROETHYLENE
Waste Code:	D040
Waste Description:	TRICHLORETHYLENE
Waste Code:	F001
Waste Description:	THE FOLLOWING SPENT HALOGENATED SOLVENTS USED IN DEGREASING: TETRACHLOROETHYLENE, TRICHLORETHYLENE, METHYLENE CHLORIDE, 1,1,1-TRICHLOROETHANE, CARBON TETRACHLORIDE AND CHLORINATED FLUOROCARBONS; ALL SPENT SOLVENT MIXTURES/BLENDS USED IN DEGREASING CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.
Waste Code:	F002
Waste Description:	THE FOLLOWING SPENT HALOGENATED SOLVENTS: TETRACHLOROETHYLENE, METHYLENE CHLORIDE, TRICHLOROETHYLENE, 1,1,1-TRICHLOROETHANE, CHLOROBENZENE, 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE, ORTHO-DICHLOROBENZENE, TRICHLOROFLUOROMETHANE, AND 1,1,2, TRICHLOROETHANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.
Waste Code:	F003
Waste Description:	THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.
Waste Code:	P005
Waste Description:	2-PROPEN-1-OL (OR) ALLYL ALCOHOL
Waste Code:	U002
Waste Description:	2-PROPANONE (I) (OR) ACETONE (I)
Waste Code:	U007
Waste Description:	2-PROPENAMIDE (OR) ACRYLAMIDE

SIGNET ARMORLITE, INC. (Continued) **1000314091**

Waste Code: U080
Waste Description: METHANE, DICHLORO- (OR) METHYLENE CHLORIDE

Waste Code: U112
Waste Description: ACETIC ACID, ETHYL ESTER (I) (OR) ETHYL ACETATE (I)

Waste Code: U151
Waste Description: MERCURY

Waste Code: U154
Waste Description: METHANOL (I) (OR) METHYL ALCOHOL (I)

Waste Code: U220
Waste Description: BENZENE, METHYL- (OR) TOLUENE

Waste Code: U236
Waste Description: 2,7-NAPHTHALENEDISULFONIC ACID,3,3'-[(3,3'-DIMETHYL[1,1'-BIPHENYL]-4,4'-DIYL)BIS(AZO)BIS[5-AMINO -4-HYDROXY]-, TETRASODIUM SALT (OR) TRYPAN BLUE

Handler - Owner Operator:
Owner/Operator Indicator: Operator
Owner/Operator Name: EDA HOLDINGS CO, INC.
Legal Status: Private
Date Became Current: 20100401
Date Ended Current: Not reported
Owner/Operator Address: 135555 N STEMMONS FREEWAY
Owner/Operator City,State,Zip: DALLAS, TX 75234
Owner/Operator Telephone: 760-744-4000
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator
Owner/Operator Name: INDUSTRIE OTTICHE EUROPEE
Legal Status: Private
Date Became Current: 19970301
Date Ended Current: Not reported
Owner/Operator Address: Not reported
Owner/Operator City,State,Zip: Not reported
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner
Owner/Operator Name: INDUSTRIE OTTICHE EUROPEE
Legal Status: Private
Date Became Current: 19970301
Date Ended Current: Not reported
Owner/Operator Address: 1001 ARMORLITE DRIVE
Owner/Operator City,State,Zip: SAN MARCOS, CA 92069
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

SIGNET ARMORLITE, INC. (Continued) **1000314091**

Owner/Operator Indicator: Operator
Owner/Operator Name: INDUSTRIE OTTICHE EUROPEE
Legal Status: Private
Date Became Current: 19970301
Date Ended Current: Not reported
Owner/Operator Address: Not reported
Owner/Operator City,State,Zip: Not reported
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner
Owner/Operator Name: INDUSTRIE OTTICHE EUROPEE
Legal Status: Private
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: VIA XX SETTEMBRE 12
Owner/Operator City,State,Zip: MILANO ITALY, CA 99999
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner
Owner/Operator Name: INDUSTRIE OTTICHE EUROPEE
Legal Status: Private
Date Became Current: 19970301
Date Ended Current: Not reported
Owner/Operator Address: 1001 ARMORLITE DRIVE
Owner/Operator City,State,Zip: SAN MARCOS, CA 92069
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner
Owner/Operator Name: ARMORLITE S.P.A
Legal Status: Private
Date Became Current: 19970301
Date Ended Current: Not reported
Owner/Operator Address: 1001 ARMORLITE DRIVE
Owner/Operator City,State,Zip: SAN MARCOS, CA 92069
Owner/Operator Telephone: 760-744-4000
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner
Owner/Operator Name: INDUSTRIE OTTICHE EUROPEE
Legal Status: Private
Date Became Current: 19970301
Date Ended Current: Not reported
Owner/Operator Address: 1001 ARMORLITE DRIVE
Owner/Operator City,State,Zip: SAN MARCOS, CA 92069
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported

SIGNET ARMORLITE, INC. (Continued) **1000314091**

Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator
Owner/Operator Name: INDUSTRIE OTTICHE EUROPEE
Legal Status: Private
Date Became Current: 19970301
Date Ended Current: Not reported
Owner/Operator Address: Not reported
Owner/Operator City,State,Zip: Not reported
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator
Owner/Operator Name: ARMORLITE S.P.A.
Legal Status: Private
Date Became Current: 19970301
Date Ended Current: Not reported
Owner/Operator Address: 1001 ARMORLITE DRIVE
Owner/Operator City,State,Zip: SAN MARCOS, CA 92069
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner
Owner/Operator Name: EDA HOLDINGS CO, INC.
Legal Status: Private
Date Became Current: 20100401
Date Ended Current: Not reported
Owner/Operator Address: 135555 N STEMMONS FREEWAY
Owner/Operator City,State,Zip: DALLAS, TX 75234
Owner/Operator Telephone: 760-744-4000
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator
Owner/Operator Name: SIGNET ARMORLITE INC
Legal Status: Private
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: 1001 ARMORLITE DR
Owner/Operator City,State,Zip: SAN MARCOS, CA 92069
Owner/Operator Telephone: 619-744-4000
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:
Receive Date: 20100201
Handler Name: SIGNET ARMORLITE, INC.
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No

SIGNET ARMORLITE, INC. (Continued) **1000314091**

Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	No
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

Receive Date:	20120229
Handler Name: SIGNET ARMORLITE, INC.	
Federal Waste Generator Description:	Large Quantity Generator
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

Receive Date:	19960901
Handler Name: SIGNET ARMORLITE INC	
Federal Waste Generator Description:	Large Quantity Generator
State District Owner:	CA
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	No
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

Receive Date:	20040310
Handler Name: SIGNET ARMORLITE, INC.	
Federal Waste Generator Description:	Small Quantity Generator
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	No
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

Receive Date:	19930513
Handler Name: SIGNET ARMORLITE INC	
Federal Waste Generator Description:	Large Quantity Generator
State District Owner:	CA
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	No

SIGNET ARMORLITE, INC. (Continued) **1000314091**

Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 19900413
Handler Name: SIGNET ARMORLITE INC
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 19920224
Handler Name: SIGNET ARMORLITE, INC.
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 19940309
Handler Name: SIGNET ARMORLITE INC
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 19960226
Handler Name: SIGNET ARMORLITE, INC.
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 19990304
Handler Name: SIGNET ARMORLITE, INC.

SIGNET ARMORLITE, INC. (Continued) **1000314091**

Federal Waste Generator Description:	Large Quantity Generator
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	No
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

Receive Date:	20001012
Handler Name: SIGNET ARMORLITE	
Federal Waste Generator Description:	Large Quantity Generator
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	No
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

Receive Date:	20020227
Handler Name: SIGNET ARMORLITE INC.	
Federal Waste Generator Description:	Large Quantity Generator
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	No
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

Receive Date:	20040310
Handler Name: SIGNET ARMORLITE, INC.	
Federal Waste Generator Description:	Large Quantity Generator
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	No
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

Receive Date:	20080616
Handler Name: SIGNET ARMORLITE, INC.	
Federal Waste Generator Description:	Large Quantity Generator
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No

SIGNET ARMORLITE, INC. (Continued) **1000314091**

Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Code: 326199
NAICS Description: ALL OTHER PLASTICS PRODUCT MANUFACTURING

NAICS Code: 339115
NAICS Description: OPHTHALMIC GOODS MANUFACTURING

Facility Has Received Notices of Violation:
Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: Generators - General
Date Violation was Determined: 19920420
Actual Return to Compliance Date: 19920910
Return to Compliance Qualifier: Observed
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: Not reported
Date of Enforcement Action: Not reported
Enforcement Responsible Agency: Not reported
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: Not reported
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: Generators - General
Date Violation was Determined: 20030908

SIGNET ARMORLITE, INC. (Continued) **1000314091**

Actual Return to Compliance Date:	20051027
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	TSD - General
Date Violation was Determined:	19920420
Actual Return to Compliance Date:	19920910
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported

SIGNET ARMORLITE, INC. (Continued) **1000314091**

Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	TSD - General
Date Violation was Determined:	19871021
Actual Return to Compliance Date:	19920313
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	19880124
Enforcement Identifier:	001
Date of Enforcement Action:	19871222
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	WRITTEN INFORMAL
Enforcement Responsible Person:	R9STA
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	TSD - Closure/Post-Closure
Date Violation was Determined:	19920420

SIGNET ARMORLITE, INC. (Continued) **1000314091**

Actual Return to Compliance Date:	19920910
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	TSD - Closure/Post-Closure
Date Violation was Determined:	19871021
Actual Return to Compliance Date:	19920910
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	19880124
Enforcement Identifier:	001
Date of Enforcement Action:	19871222
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	WRITTEN INFORMAL

SIGNET ARMORLITE, INC. (Continued) **1000314091**

Enforcement Responsible Person:	R9STA
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	TSD - General
Date Violation was Determined:	19920420
Actual Return to Compliance Date:	19920910
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	Generators - General
Date Violation was Determined:	19900117

SIGNET ARMORLITE, INC. (Continued) **1000314091**

Actual Return to Compliance Date: 19910307
Return to Compliance Qualifier: Unverifiable
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: Not reported
Date of Enforcement Action: Not reported
Enforcement Responsible Agency: Not reported
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: Not reported
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: TSD - Financial Requirements
Date Violation was Determined: 19880126
Actual Return to Compliance Date: 19890426
Return to Compliance Qualifier: Observed
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: 003
Date of Enforcement Action: 19890201
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: INITIAL 3008(A) COMPLIANCE

SIGNET ARMORLITE, INC. (Continued) **1000314091**

Enforcement Responsible Person:	R9STA
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	30000
Final Monetary Amount:	30000
Paid Amount:	Not reported
Final Count:	1
Final Amount:	30000

Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	Generators - General
Date Violation was Determined:	19910307
Actual Return to Compliance Date:	19920313
Return to Compliance Qualifier:	Unverifiable
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	LDR - General
Date Violation was Determined:	19880121

SIGNET ARMORLITE, INC. (Continued) **1000314091**

Actual Return to Compliance Date:	19880725
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	001
Date of Enforcement Action:	19880705
Enforcement Responsible Agency:	EPA
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	WRITTEN INFORMAL
Enforcement Responsible Person:	R9EPA
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Found Violation:	No
Agency Which Determined Violation:	Not reported
Violation Short Description:	Not reported
Date Violation was Determined:	Not reported
Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	Not reported
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported

SIGNET ARMORLITE, INC. (Continued) **1000314091**

Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	TSD - Financial Requirements
Date Violation was Determined:	19880126
Actual Return to Compliance Date:	19890426
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	002
Date of Enforcement Action:	19880224
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	WRITTEN INFORMAL
Enforcement Responsible Person:	R9STA
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	Generators - General
Date Violation was Determined:	19930722

SIGNET ARMORLITE, INC. (Continued) **1000314091**

Actual Return to Compliance Date:	19980722
Return to Compliance Qualifier:	Not Resolved
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Found Violation:	No
Agency Which Determined Violation:	Not reported
Violation Short Description:	Not reported
Date Violation was Determined:	Not reported
Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	Not reported
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported

SIGNET ARMORLITE, INC. (Continued) **1000314091**

Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: TSD - General
Date Violation was Determined: 19920420
Actual Return to Compliance Date: 19920910
Return to Compliance Qualifier: Observed
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: Not reported
Date of Enforcement Action: Not reported
Enforcement Responsible Agency: Not reported
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: Not reported
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: No
Agency Which Determined Violation: Not reported
Violation Short Description: Not reported
Date Violation was Determined: Not reported

SIGNET ARMORLITE, INC. (Continued) **1000314091**

Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	Not reported
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	LDR - General
Date Violation was Determined:	19880121
Actual Return to Compliance Date:	19880725
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	001
Date of Enforcement Action:	19880705
Enforcement Responsible Agency:	EPA
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	WRITTEN INFORMAL

SIGNET ARMORLITE, INC. (Continued) **1000314091**

Enforcement Responsible Person: R9EPA
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Evaluation Action Summary:
Evaluation Date: 19920313
Evaluation Responsible Agency: State
Found Violation: Yes
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: R9STA
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: 19920910
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 20030908
Evaluation Responsible Agency: State Contractor/Grantee
Found Violation: Yes
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: Not reported
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: 20051027
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 19920313
Evaluation Responsible Agency: State
Found Violation: Yes
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: R9STA
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: 19920910
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 19871021
Evaluation Responsible Agency: State

SIGNET ARMORLITE, INC. (Continued) **1000314091**

Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19920313
Scheduled Compliance Date:	19880124
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	19920313
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19920910
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	19871021
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19920910
Scheduled Compliance Date:	19880124
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	19920313
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19920910
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	19900117
Evaluation Responsible Agency:	State Contractor/Grantee
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19910307

SIGNET ARMORLITE, INC. (Continued) **1000314091**

Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19880126
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	FINANCIAL RECORD REVIEW
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19890426
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19910307
Evaluation Responsible Agency:	State Contractor/Grantee
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19920313
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19880121
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19880725
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20061027
Evaluation Responsible Agency:	Local
Found Violation:	No
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

SIGNET ARMORLITE, INC. (Continued) **1000314091**

Evaluation Date:	19880126
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	FINANCIAL RECORD REVIEW
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19890426
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	19930722
Evaluation Responsible Agency:	State Contractor/Grantee
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19980722
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	20051027
Evaluation Responsible Agency:	Local
Found Violation:	No
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	19920313
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19920910
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	19920421
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	FINANCIAL RECORD REVIEW
Evaluation Responsible Person Identifier:	R9STA

SIGNET ARMORLITE, INC. (Continued) **1000314091**

Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	19880121
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19880725
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

SIGNET ARMORLITE, INC. (Continued) **1000314091**

ENVIROSTOR:

Name:	SIGNET ARMORLITE INC
Address:	1001 ARMORLITE DR
City,State,Zip:	SAN MARCOS, CA 920690000
Facility ID:	80001570
Status:	Refer: RWQCB
Status Date:	08/29/2012
Site Code:	400252
Site Type:	Corrective Action
Site Type Detailed:	Corrective Action
Acres:	0
NPL:	NO
Regulatory Agencies:	RWQCB 9 - San Diego
Lead Agency:	RWQCB 9 - San Diego
Program Manager:	Not reported
Supervisor:	* Unknown
Division Branch:	Cleanup Cypress
Assembly:	75
Senate:	38
Special Program:	Not reported
Restricted Use:	NO
Site Mgmt Req:	NONE SPECIFIED
Funding:	Not reported
Latitude:	33.14554
Longitude:	-117.1853
APN:	NONE SPECIFIED
Past Use:	NONE SPECIFIED
Potential COC:	NONE SPECIFIED
Confirmed COC:	NONE SPECIFIED
Potential Description:	NONE SPECIFIED
Alias Name:	CAD008362634
Alias Type:	EPA Identification Number
Alias Name:	110000478689
Alias Type:	EPA (FRS #)
Alias Name:	400252
Alias Type:	Project Code (Site Code)
Alias Name:	80001570
Alias Type:	Envirostor ID Number

Completed Info:

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	RCRA Facility Assessment Report
Completed Date:	08/08/1991
Comments:	Not reported
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Interim Measures Questionnaire
Completed Date:	01/31/1992
Comments:	Not reported
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Consent Order
Completed Date:	04/10/1995
Comments:	Not reported

SIGNET ARMORLITE, INC. (Continued) **1000314091**

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Interim Measures Workplan
Completed Date: 01/01/1996
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Interim Measures Workplan
Completed Date: 01/01/1996
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Assessment Report
Completed Date: 08/08/1991
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedy Construction Complete
Completed Date: 06/11/2018
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Groundwater Migration Controlled
Completed Date: 06/11/2018
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Groundwater Migration Controlled
Completed Date: 12/15/1997
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Human Exposure Controlled
Completed Date: 12/15/1997
Comments: Not reported

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

LUST:
Name: ARMORLITE INC
Address: 1001 ARMORLITE DR
City,State,Zip: SAN MARCOS, CA 920691431
Lead Agency: SAN DIEGO COUNTY LOP

SIGNET ARMORLITE, INC. (Continued) **1000314091**

Case Type:	LUST Cleanup Site
Geo Track:	http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0607302793
Global Id:	T0607302793
Latitude:	33.1444595432761
Longitude:	-117.185845971107
Status:	Completed - Case Closed
Status Date:	09/22/1986
Case Worker:	KH
RB Case Number:	9UT493
Local Agency:	SAN DIEGO COUNTY LOP
File Location:	Local Agency
Local Case Number:	H02662-001
Potential Media Affect:	Soil
Potential Contaminants of Concern:	Diesel
Site History:	Not reported

LUST:

Global Id:	T0607302793
Contact Type:	Local Agency Caseworker
Contact Name:	KEVIN HEATON
Organization Name:	SAN DIEGO COUNTY LOP
Address:	P.O. Box 129261
City:	San Diego
Email:	kevin.heaton@sdcounty.ca.gov
Phone Number:	Not reported

LUST:

Global Id:	T0607302793
Action Type:	Other
Date:	08/26/1986
Action:	Leak Began
Global Id:	T0607302793
Action Type:	Other
Date:	08/22/1986
Action:	Leak Reported
Global Id:	T0607302793
Action Type:	Other
Date:	08/26/1986
Action:	Leak Discovery

LUST:

Global Id:	T0607302793
Status:	Open - Case Begin Date
Status Date:	08/22/1986
Global Id:	T0607302793
Status:	Completed - Case Closed
Status Date:	09/22/1986

LUST REG 9:

Region:	9
Status:	Case Closed
Case Number:	9UT493

SIGNET ARMORLITE, INC. (Continued) **1000314091**

Local Case: H02662-001
Substance: Diesel
Qty Leaked: Not reported
Abate Method: Not reported
Local Agency: San Diego
How Found: Tank Closure
How Stopped: Close Tank
Source: Tank
Cause: Corrosion
Lead Agency: Local Agency
Case Type: Aquifer affected
Date Found: 08/22/1986
Date Stopped: / /
Confirm Date: / /
Submit Workplan: Not reported
Prelim Assess: / /
Desc Pollution: Not reported
Remed Plan: / /
Remed Action: Not reported
Began Monitor: Not reported
Release Date: 08/26/1986
Enforce Date: Not reported
Closed Date: 9/22/86
Enforce Type: Not reported
Pilot Program: LOP
Basin Number: 904.52
GW Depth: 6 ft
Beneficial Use: Municipal groundwater use
NPDES Number: Not reported
Priority: Low priority. Priority ranking can change over time.
File Dispn: File discarded, case closed
Interim Remedial Actions: Yes
Cleanup and Abatement order Number: Not reported
Waste Discharge Requirement Number: Not reported

SAN DIEGO CO. SAM:

Name: ARMORLITE INC
Address: 1001 ARMORLITE DR
City,State,Zip: SAN MARCOS, CA 920691431
Case Number: H02662-002
Agency: CA Regional Water Quality Control Board
Funding: **Non Billable**
Facility Type: Drinking Water Aquifer Impacted
Facility Status: Leak Being Confirmed
Date: 9/15/1993
Date Began: 9/15/1993

Name: ARMORLITE INC
Address: 1001 ARMORLITE DR
City,State,Zip: SAN MARCOS, CA 920691431
Case Number: H02662-001
Agency: DEH Site Assessment & Mitigation
Funding: **LOP - Federal Fund**
Facility Type: Soils Only
Facility Status: Closed Case
Date: 9/22/1986
Date Began: 8/26/1986

SIGNET ARMORLITE, INC. (Continued) **1000314091**

CPS-SLIC:

Name:	MILANO HOLDINGS INC. (FORMER SIGNET ARMORLITE, INC.)
Address:	1001 ARMORLITE DRIVE
City,State,Zip:	SAN MARCOS, CA 92069
Region:	STATE
Facility Status:	**Completed - Case Closed**
Status Date:	01/31/2014
Global Id:	SL209154190
Lead Agency:	SAN DIEGO RWQCB (REGION 9)
Lead Agency Case Number:	H02662-001
Latitude:	33.1441271643332
Longitude:	-117.18586742878
Case Type:	Cleanup Program Site
Case Worker:	Not reported
Local Agency:	Not reported
RB Case Number:	2091500
File Location:	Regional Board
Potential Media Affected:	Aquifer used for drinking water supply
Potential Contaminants of Concern:	1,1,1-Trichloroethane (TCA), Acetone, Benzene, Other Chlorinated Hydrocarbons, Tetrachloroethylene (PCE), Trichloroethylene (TCE), Freon, Diesel, Gasoline
Site History:	The Facility is approximately 11.8 acres in size and contains buildings associated with the manufacture, marketing, and distribution of optical lenses. Site assessment activities have been conducted at the Facility since the early 1990s. Investigations revealed the presence of VOCs, including methylene chloride, in soil and groundwater at the Facility. Signet has undertaken four remedial actions at the Facility, as well as subsequent investigation activities to assess the adequacy of the remedial actions. Active remediation has included operation of a multiphase extraction system (MPE system) from 1995 to 1998 to remove subsurface VOCs from source areas at the Facility. Additionally, three targeted source removal actions have been conducted at the Facility since 1986. Remedial activities have included removal and disposal of contaminated soil and addition of soil amendments to facilitate in-situ degradation. In late 2009, an interim remedial measure to extract VOCs from deep groundwater was evaluated, and the findings of this evaluation are incorporated into the CAP.

Click here to access the California GeoTracker records for this facility:

Name:	PROPOSED DAVIA VILLAGE
Address:	1001 ARMORLITE DRIVE
City,State,Zip:	SAN MARCOS, CA 92069
Region:	STATE
Facility Status:	**Completed - Case Closed**
Status Date:	05/03/2016
Global Id:	T10000003706
Lead Agency:	SAN DIEGO RWQCB (REGION 9)
Lead Agency Case Number:	Not reported
Latitude:	33.1443427616288
Longitude:	-117.18635559082
Case Type:	Cleanup Program Site
Case Worker:	SAM
Local Agency:	Not reported
RB Case Number:	4090003
File Location:	All Files are on GeoTracker or in the Local Agency Database

SIGNET ARMORLITE, INC. (Continued) **1000314091**

Potential Media Affected: Indoor Air, Other Groundwater (uses other than drinking water), Soil
Potential Contaminants of Concern: 1,1,1-Trichloroethane (TCA), Acetone, Other Chlorinated Hydrocarbons, Tetrachloroethylene (PCE), Trichloroethylene (TCE), Freon, Benzene, Diesel, Gasoline
Site History: This case is for a planned redevleopment of the former Signet Armorlite Site. For historical information regarding the site please review the Geotracker file for Milano Holdings, Inc. (former Signet Armorlite), Geotracker ID SL209154190.

Click here to access the California GeoTracker records for this facility:

HMMD SAN DIEGO:

Name:	SIGNET ARMORLITE, INC
Address:	1001 ARMORLITE DR
City,State,Zip:	SAN MARCOS, CA 92069
Permit Number:	213233
Business Type:	6HK77
EPA Id Number:	CAD008362634
APN:	219-163-48-00
Last HMMD Inspection:	05/18/2011
Facility Telephone:	760-744-4000
Permit Status:	OPEN
Permit Expiration:	08/31/2013
Date Last Updated:	11/02/2012
Facility Owner:	EOA HOLDING CO, INC
Facility Mailing Address:	1001 ARMORLITE DR
Facility Mailing City:	SAN MARCOS
Facility Mailing State:	CA
Facility Mailing Zip:	92069
UST Owner:	Not reported
Handle Regulated Hazmat:	Y
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Y
Treat Haz Waste:	Y
Generate Medical Waste:	Not reported

Inventory Active Permits (not SQG Medical):

Permit Number:	213233
Update Date:	11/02/2012
Case Number:	67-64-1
Name:	ACETONE
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	FIRE
Hazardous Categories 2:	ACUTE

Permit Number:	213233
Update Date:	11/02/2012
Case Number:	7440-37-1
Name:	ARGON, HELIUM COMPRESSED GAS :
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	PRESSURE RELEASE
Hazardous Categories 2:	Not reported

Permit Number: 213233

SIGNET ARMORLITE, INC. (Continued) **1000314091**

Update Date:	11/02/2012
Case Number:	Not reported
Name:	CARCINOGENS &/OR REPRODUCTIVE TOXINS
Other Information:	BELOW STATE DISCLOSURE AMTS ARE/MAY BE ON SITE
Material Waste:	Not reported
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Permit Number:	213233
Update Date:	11/02/2012
Case Number:	8006-64-2
Name:	ISOPROPYL ALCOHOL
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	FIRE
Hazardous Categories 2:	ACUTE

Permit Number:	213233
Update Date:	11/02/2012
Case Number:	67-56-1
Name:	METHYL ALCOHOL
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	FIRE
Hazardous Categories 2:	ACUTE

Permit Number:	213233
Update Date:	11/02/2012
Case Number:	7727-37-9
Name:	NITROGEN
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	PRESSURE RELEASE
Hazardous Categories 2:	Not reported

Permit Number:	213233
Update Date:	11/02/2012
Case Number:	64742-54-7
Name:	OIL LUBRICATING PETROLEUM
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	FIRE
Hazardous Categories 2:	ACUTE

Permit Number:	213233
Update Date:	11/02/2012
Case Number:	7782-44-7
Name:	OXYGEN, COMPRESSED GAS :
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	REACTIVE
Hazardous Categories 2:	PRESSURE RELEASE

Permit Number:	213233
Update Date:	11/02/2012
Case Number:	1310-58-3
Name:	POTASSIUM HYDROXIDE : STRIPPER 4C, 10%

SIGNET ARMORLITE, INC. (Continued) **1000314091**

Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: REACTIVE
Hazardous Categories 2: ACUTE

Permit Number: 213233
Update Date: 11/02/2012
Case Number: 74-98-6
Name: PROPANE
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: Not reported

Permit Number: 213233
Update Date: 11/02/2012
Case Number: Not reported
Name: VITEC 3000 ANTISCALANT
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: ACUTE
Hazardous Categories 2: Not reported

Permit Number: 213233
Update Date: 11/02/2012
Case Number: 1310-58-3
Name: WASTE 122 ALKALINE SOL'N W/OUT METALS
Other Information: 4-C STRIPPER SOLUTION - POTASSIUM HYDROXIDE SOL. @ 10% KOH
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 213233
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 135 UNSPECIFIED AQUEOUS SOL'N
Other Information: AQUEOUS COATING
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 213233
Update Date: 11/02/2012
Case Number: 107-21-1
Name: WASTE 135 UNSPECIFIED AQUEOUS SOL'N
Other Information: DYE
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 213233
Update Date: 11/02/2012
Case Number: 1310-58-3
Name: WASTE 181 INORGANIC SOLID WASTE (OTHER)
Other Information: 4-C STRIPPER DEBRIS - POTASSIUM HYDROXIDE
Material Waste: Waste
Hazardous Categories 1: Not reported

SIGNET ARMORLITE, INC. (Continued) **1000314091**

Hazardous Categories 2: Not reported

Permit Number: 213233
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 212 OXYGENATED SOLVENTS
Other Information: FLAMMABLE PAINT WASTE
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 213233
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 212 OXYGENATED SOLVENTS
Other Information: WASTE ACETONE
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 213233
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 221 WASTE OIL & MIXED OIL
Other Information: WASTE OIL
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 213233
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 272 POLYMERIC RESIN WASTE
Other Information: MONOMER/RAGS/DEBRI
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 213233
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 352 ORGANIC SOLIDS (OTHER)
Other Information: ACETONE WIPES
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

UST:
UST Name: UNDERGROUND TANK 102662 T001
Last Update: 2012-11-02 14:17:38
Permit Number: 213233
Tank Type: SINGLE WALL
Additional Id: AT5037
Capacity Gallons: 100
UST Contents: OTHER
Other Content Info: Not reported
Reg Status: REMOVED

SIGNET ARMORLITE, INC. (Continued) **1000314091**

Remove Close Date:	2004-02-27 00:00:00
Year Installed:	Not reported
Pipe Type:	SINGLE WALL
Delivery System:	Not reported
Monitor Code:	Not reported
UST Monitor Method:	Not reported
UST Name:	UNDERGROUND TANK 102662 T002
Last Update:	2012-11-02 14:17:38
Permit Number:	213233
Tank Type:	SINGLE WALL
Additional Id:	AT1757- CONCRETE CLARIFIER
Capacity Gallons:	1250
UST Contents:	Not reported
Other Content Info:	Not reported
Reg Status:	REMOVED
Remove Close Date:	1989-09-14 00:00:00
Year Installed:	Not reported
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	90
UST Monitor Method:	NO MONITORING ALTERNATIVE SELECTED. VERIFY AND ENTER MONITORING ALTERNATIVE DURING INSPECTION
UST Name:	UNDERGROUND TANK 102662 T003
Last Update:	2012-11-02 14:17:38
Permit Number:	213233
Tank Type:	SINGLE WALL
Additional Id:	AT0385
Capacity Gallons:	3000
UST Contents:	DIESEL
Other Content Info:	Not reported
Reg Status:	REMOVED
Remove Close Date:	1986-08-22 00:00:00
Year Installed:	Not reported
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	90
UST Monitor Method:	NO MONITORING ALTERNATIVE SELECTED. VERIFY AND ENTER MONITORING ALTERNATIVE DURING INSPECTION
Name:	SIGNET ARMORLITE, INC
Address:	1001 ARMORLITE DR
City,State,Zip:	SAN MARCOS, CA 92069
Permit Number:	213233
Business Type:	6HK77
EPA Id Number:	CAD008362634
APN:	219-163-48-00
Last HMMD Inspection:	05/18/2011
Facility Telephone:	760-744-4000
Permit Status:	OPEN
Permit Expiration:	08/31/2013
Date Last Updated:	11/02/2012
Facility Owner:	EOA HOLDING CO, INC
Facility Mailing Address:	1001 ARMORLITE DR
Facility Mailing City:	SAN MARCOS

SIGNET ARMORLITE, INC. (Continued) **1000314091**

Facility Mailing State: CA
Facility Mailing Zip: 92069
UST Owner: Not reported
Handle Regulated Hazmat: Y
Own Or Operate UST: Not reported
Subject To APSA: Not reported
Generate Haz Waste: Y
Treat Haz Waste: N
Generate Medical Waste: Not reported

Inventory Active Permits (not SQG Medical):
Permit Number: 213233
Update Date: 11/02/2012
Case Number: 67-64-1
Name: ACETONE
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: ACUTE

Permit Number: 213233
Update Date: 11/02/2012
Case Number: 7440-37-1
Name: ARGON, HELIUM COMPRESSED GAS :
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: PRESSURE RELEASE
Hazardous Categories 2: Not reported

Permit Number: 213233
Update Date: 11/02/2012
Case Number: Not reported
Name: CARCINOGENS &/OR REPRODUCTIVE TOXINS
Other Information: BELOW STATE DISCLOSURE AMTS ARE/MAY BE ON SITE
Material Waste: Not reported
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 213233
Update Date: 11/02/2012
Case Number: 8006-64-2
Name: ISOPROPYL ALCOHOL
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: ACUTE

Permit Number: 213233
Update Date: 11/02/2012
Case Number: 67-56-1
Name: METHYL ALCOHOL
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: ACUTE

Permit Number: 213233
Update Date: 11/02/2012

SIGNET ARMORLITE, INC. (Continued) **1000314091**

Case Number: 7727-37-9
Name: NITROGEN
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: PRESSURE RELEASE
Hazardous Categories 2: Not reported

Permit Number: 213233
Update Date: 11/02/2012
Case Number: 64742-54-7
Name: OIL LUBRICATING PETROLEUM
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: ACUTE

Permit Number: 213233
Update Date: 11/02/2012
Case Number: 7782-44-7
Name: OXYGEN, COMPRESSED GAS :
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: REACTIVE
Hazardous Categories 2: PRESSURE RELEASE

Permit Number: 213233
Update Date: 11/02/2012
Case Number: 1310-58-3
Name: POTASSIUM HYDROXIDE : STRIPPER 4C, 10%
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: REACTIVE
Hazardous Categories 2: ACUTE

Permit Number: 213233
Update Date: 11/02/2012
Case Number: 74-98-6
Name: PROPANE
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: Not reported

Permit Number: 213233
Update Date: 11/02/2012
Case Number: Not reported
Name: VITEC 3000 ANTISCALANT
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: ACUTE
Hazardous Categories 2: Not reported

Permit Number: 213233
Update Date: 11/02/2012
Case Number: 1310-58-3
Name: WASTE 122 ALKALINE SOL'N W/OUT METALS
Other Information: 4-C STRIPPER SOLUTION - POTASSIUM HYDROXIDE SOL. @ 10% KOH

SIGNET ARMORLITE, INC. (Continued) **1000314091**

Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 213233
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 135 UNSPECIFIED AQUEOUS SOL'N
Other Information: AQUEOUS COATING
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 213233
Update Date: 11/02/2012
Case Number: 107-21-1
Name: WASTE 135 UNSPECIFIED AQUEOUS SOL'N
Other Information: DYE
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 213233
Update Date: 11/02/2012
Case Number: 1310-58-3
Name: WASTE 181 INORGANIC SOLID WASTE (OTHER)
Other Information: 4-C STRIPPER DEBRIS - POTASSIUM HYDROXIDE
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 213233
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 212 OXYGENATED SOLVENTS
Other Information: FLAMMABLE PAINT WASTE
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 213233
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 212 OXYGENATED SOLVENTS
Other Information: WASTE ACETONE
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 213233
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 221 WASTE OIL & MIXED OIL
Other Information: WASTE OIL
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

SIGNET ARMORLITE, INC. (Continued) **1000314091**

Permit Number: 213233
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 272 POLYMERIC RESIN WASTE
Other Information: MONOMER/RAGS/DEBRI
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 213233
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 352 ORGANIC SOLIDS (OTHER)
Other Information: ACETONE WIPES
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

UST:
UST Name: UNDERGROUND TANK 102662 T001
Last Update: 2012-11-02 14:17:38
Permit Number: 213233
Tank Type: SINGLE WALL
Additional Id: AT5037
Capacity Gallons: 100
UST Contents: OTHER
Other Content Info: Not reported
Reg Status: REMOVED
Remove Close Date: 2004-02-27 00:00:00
Year Installed: Not reported
Pipe Type: SINGLE WALL
Delivery System: Not reported
Monitor Code: Not reported
UST Monitor Method: Not reported

UST Name: UNDERGROUND TANK 102662 T002
Last Update: 2012-11-02 14:17:38
Permit Number: 213233
Tank Type: SINGLE WALL
Additional Id: AT1757- CONCRETE CLARIFIER
Capacity Gallons: 1250
UST Contents: Not reported
Other Content Info: Not reported
Reg Status: REMOVED
Remove Close Date: 1989-09-14 00:00:00
Year Installed: Not reported
Pipe Type: Not reported
Delivery System: Not reported
Monitor Code: 90
UST Monitor Method: NO MONITORING ALTERNATIVE SELECTED. VERIFY AND ENTER MONITORING ALTERNATIVE DURING INSPECTION

UST Name: UNDERGROUND TANK 102662 T003
Last Update: 2012-11-02 14:17:38
Permit Number: 213233
Tank Type: SINGLE WALL
Additional Id: AT0385

SIGNET ARMORLITE, INC. (Continued) **1000314091**

Capacity Gallons:	3000
UST Contents:	DIESEL
Other Content Info:	Not reported
Reg Status:	REMOVED
Remove Close Date:	1986-08-22 00:00:00
Year Installed:	Not reported
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	90
UST Monitor Method:	NO MONITORING ALTERNATIVE SELECTED. VERIFY AND ENTER MONITORING ALTERNATIVE DURING INSPECTION

Name:	ARMORLITE INC
Address:	1001 ARMORLITE DR
City,State,Zip:	SAN MARCOS, CA 92069
Permit Number:	102662
Business Type:	6HK67
EPA Id Number:	CAD008362634
APN:	219-163-48-00
Last HMMD Inspection:	11/04/2009
Facility Telephone:	760-744-4000
Permit Status:	CHNG
Permit Expiration:	05/31/2011
Date Last Updated:	11/02/2012
Facility Owner:	ARMORLITE S.P.A.
Facility Mailing Address:	1001 ARMORLITE DR
Facility Mailing City:	SAN MARCOS
Facility Mailing State:	CA
Facility Mailing Zip:	92069-1431
UST Owner:	JEPSON CORP
Handle Regulated Hazmat:	Y
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Y
Treat Haz Waste:	Y
Generate Medical Waste:	Not reported

UST:

UST Name:	UNDERGROUND TANK 102662 T001
Last Update:	2012-11-02 14:17:38
Permit Number:	102662
Tank Type:	SINGLE WALL
Additional Id:	AT5037
Capacity Gallons:	100
UST Contents:	OTHER
Other Content Info:	Not reported
Reg Status:	REMOVED
Remove Close Date:	2004-02-27 00:00:00
Year Installed:	Not reported
Pipe Type:	SINGLE WALL
Delivery System:	Not reported
Monitor Code:	Not reported
UST Monitor Method:	Not reported

UST Name:	UNDERGROUND TANK 102662 T002
Last Update:	2012-11-02 14:17:38
Permit Number:	102662

SIGNET ARMORLITE, INC. (Continued) **1000314091**

Tank Type:	SINGLE WALL
Additional Id:	AT1757- CONCRETE CLARIFIER
Capacity Gallons:	1250
UST Contents:	Not reported
Other Content Info:	Not reported
Reg Status:	REMOVED
Remove Close Date:	1989-09-14 00:00:00
Year Installed:	Not reported
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	90
UST Monitor Method:	NO MONITORING ALTERNATIVE SELECTED. VERIFY AND ENTER MONITORING ALTERNATIVE DURING INSPECTION

UST Name:	UNDERGROUND TANK 102662 T003
Last Update:	2012-11-02 14:17:38
Permit Number:	102662
Tank Type:	SINGLE WALL
Additional Id:	AT0385
Capacity Gallons:	3000
UST Contents:	DIESEL
Other Content Info:	Not reported
Reg Status:	REMOVED
Remove Close Date:	1986-08-22 00:00:00
Year Installed:	Not reported
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	90
UST Monitor Method:	NO MONITORING ALTERNATIVE SELECTED. VERIFY AND ENTER MONITORING ALTERNATIVE DURING INSPECTION

DEED:

Name:	PROPOSED DAVIA VILLAGE
Address:	1001 ARMORLITE DRIVE
City,State,Zip:	SAN MARCOS, CA 92069
Envirostor ID:	T10000003706
Area:	Not reported
Sub Area:	Not reported
Site Type:	SLIC
Status:	COMPLETED - CASE CLOSED
Agency:	SWRCB
Covenant Uploaded:	Y
Deed Date(s):	06/30/2014
File Name:	Geotracker Land Use/Deed Restrictions

Name:	MILANO HOLDINGS INC. (FORMER SIGNET ARMORLITE, INC.)
Address:	1001 ARMORLITE DRIVE
City,State,Zip:	SAN MARCOS, CA 92069
Envirostor ID:	SL209154190
Area:	Not reported
Sub Area:	Not reported
Site Type:	SLIC
Status:	COMPLETED - CASE CLOSED
Agency:	SWRCB
Covenant Uploaded:	Y
Deed Date(s):	06/30/2014

SIGNET ARMORLITE, INC. (Continued) **1000314091**

File Name: Geotracker Land Use/Deed Restrictions

2020 COR ACTION:
EPA ID: CAD008362634
Region: 9
Action: Not reported

ICIS:
Enforcement Action ID: CASDSA00000607300058000029
FRS ID: 110000478689
Action Name: SIGNET ARMORLITE 060730005800029
Facility Name: SIGNET ARMORLITE
Facility Address: 1001 ARMORLITE DR
SAN MARCOS, CA 92069
Enforcement Action Type: Administrative Order
Facility County: SAN DIEGO
Program System Acronym: AIR
Enforcement Action Forum Desc: Administrative - Formal
EA Type Code: SCAAAO
Facility SIC Code: 3851
Federal Facility ID: Not reported
Latitude in Decimal Degrees: 33.1448
Longitude in Decimal Degrees: -117.184979
Permit Type Desc: Not reported
Program System Acronym: CASDS0000607300058
Facility NAICS Code: 326199
Tribal Land Code: Not reported

Enforcement Action ID: CASDSA00000607300058000027
FRS ID: 110000478689
Action Name: SIGNET ARMORLITE 060730005800027
Facility Name: SIGNET ARMORLITE
Facility Address: 1001 ARMORLITE DR
SAN MARCOS, CA 92069
Enforcement Action Type: Notice of Violation
Facility County: SAN DIEGO
Program System Acronym: AIR
Enforcement Action Forum Desc: Administrative - Informal
EA Type Code: NOV
Facility SIC Code: 3851
Federal Facility ID: Not reported
Latitude in Decimal Degrees: 33.1448
Longitude in Decimal Degrees: -117.184979
Permit Type Desc: Not reported
Program System Acronym: CASDS0000607300058
Facility NAICS Code: 326199
Tribal Land Code: Not reported

US AIRS MINOR:
Envid: 1000314091
Region Code: 09
Programmatic ID: AIR CASDS0000607300058
Facility Registry ID: 110000478689
D and B Number: Not reported
Primary SIC Code: 3851

SIGNET ARMORLITE, INC. (Continued) **1000314091**

NAICS Code: 326199
Default Air Classification Code: MIN
Facility Type of Ownership Code: POF
Air CMS Category Code: Not reported
HPV Status: Not reported

US AIRS MINOR:
Region Code: 09
Programmatic ID: AIR CASDS0000607300058
Facility Registry ID: 110000478689
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: Not reported
Activity Status Date: 1994-06-28 00:00:00
Activity Group: Case File
Activity Type: Case File
Activity Status: Resolved

Region Code: 09
Programmatic ID: AIR CASDS0000607300058
Facility Registry ID: 110000478689
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1976-12-02 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASDS0000607300058
Facility Registry ID: 110000478689
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1978-02-08 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASDS0000607300058
Facility Registry ID: 110000478689
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1979-03-05 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASDS0000607300058
Facility Registry ID: 110000478689

SIGNET ARMORLITE, INC. (Continued) **1000314091**

Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1980-01-31 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASDS0000607300058
Facility Registry ID: 110000478689
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1981-03-21 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASDS0000607300058
Facility Registry ID: 110000478689
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1982-01-19 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASDS0000607300058
Facility Registry ID: 110000478689
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1982-12-20 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASDS0000607300058
Facility Registry ID: 110000478689
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1983-12-08 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

SIGNET ARMORLITE, INC. (Continued) **1000314091**

Region Code: 09
Programmatic ID: AIR CASDS0000607300058
Facility Registry ID: 110000478689
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1984-03-21 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASDS0000607300058
Facility Registry ID: 110000478689
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1985-04-04 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASDS0000607300058
Facility Registry ID: 110000478689
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1986-03-26 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASDS0000607300058
Facility Registry ID: 110000478689
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1986-07-23 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASDS0000607300058
Facility Registry ID: 110000478689
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1987-08-26 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring

SIGNET ARMORLITE, INC. (Continued) **1000314091**

Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASDS0000607300058
Facility Registry ID: 110000478689
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1987-12-16 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASDS0000607300058
Facility Registry ID: 110000478689
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1988-08-19 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASDS0000607300058
Facility Registry ID: 110000478689
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1989-02-08 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASDS0000607300058
Facility Registry ID: 110000478689
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1989-09-08 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASDS0000607300058
Facility Registry ID: 110000478689
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards

SIGNET ARMORLITE, INC. (Continued) **1000314091**

Activity Date: 1991-03-21 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASDS0000607300058
Facility Registry ID: 110000478689
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1992-03-04 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASDS0000607300058
Facility Registry ID: 110000478689
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1993-03-02 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASDS0000607300058
Facility Registry ID: 110000478689
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1994-03-03 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASDS0000607300058
Facility Registry ID: 110000478689
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1995-03-24 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASDS0000607300058
Facility Registry ID: 110000478689

SIGNET ARMORLITE, INC. (Continued) **1000314091**

Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1996-03-06 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASDS0000607300058
Facility Registry ID: 110000478689
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1997-02-12 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASDS0000607300058
Facility Registry ID: 110000478689
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1998-01-21 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASDS0000607300058
Facility Registry ID: 110000478689
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1999-01-27 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASDS0000607300058
Facility Registry ID: 110000478689
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2000-03-30 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

SIGNET ARMORLITE, INC. (Continued) **1000314091**

Region Code: 09
Programmatic ID: AIR CASDS0000607300058
Facility Registry ID: 110000478689
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2001-08-16 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASDS0000607300058
Facility Registry ID: 110000478689
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2001-12-21 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASDS0000607300058
Facility Registry ID: 110000478689
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2003-01-22 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASDS0000607300058
Facility Registry ID: 110000478689
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2007-06-12 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASDS0000607300058
Facility Registry ID: 110000478689
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2009-02-12 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring

SIGNET ARMORLITE, INC. (Continued) **1000314091**

Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASDS0000607300058
Facility Registry ID: 110000478689
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1994-03-28 00:00:00
Activity Status Date: 1994-03-28 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Formal
Activity Status: Final Order Issued

Region Code: 09
Programmatic ID: AIR CASDS0000607300058
Facility Registry ID: 110000478689
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1994-03-21 00:00:00
Activity Status Date: 1994-03-21 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Informal
Activity Status: Achieved

Region Code: 09
Programmatic ID: AIR CASDS0000607300058
Facility Registry ID: 110000478689
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: Title V Permits
Activity Date: 1997-02-12 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASDS0000607300058
Facility Registry ID: 110000478689
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: Title V Permits
Activity Date: 1998-01-21 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASDS0000607300058
Facility Registry ID: 110000478689
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: Title V Permits

SIGNET ARMORLITE, INC. (Continued) **1000314091**

Activity Date: 1999-01-27 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASDS0000607300058
Facility Registry ID: 110000478689
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: Title V Permits
Activity Date: 2000-03-30 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASDS0000607300058
Facility Registry ID: 110000478689
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: Title V Permits
Activity Date: 2001-03-01 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASDS0000607300058
Facility Registry ID: 110000478689
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: Title V Permits
Activity Date: 2001-12-21 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASDS0000607300058
Facility Registry ID: 110000478689
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: Title V Permits
Activity Date: 2003-01-22 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASDS0000607300058
Facility Registry ID: 110000478689

SIGNET ARMORLITE, INC. (Continued) **1000314091**

Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: Title V Permits
Activity Date: 2003-04-21 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASDS0000607300058
Facility Registry ID: 110000478689
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: Title V Permits
Activity Date: 2003-09-22 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASDS0000607300058
Facility Registry ID: 110000478689
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: Title V Permits
Activity Date: 2004-01-20 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASDS0000607300058
Facility Registry ID: 110000478689
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: Title V Permits
Activity Date: 2005-03-01 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASDS0000607300058
Facility Registry ID: 110000478689
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: Title V Permits
Activity Date: 2005-03-08 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

SIGNET ARMORLITE, INC. (Continued) **1000314091**

Region Code: 09
Programmatic ID: AIR CASDS0000607300058
Facility Registry ID: 110000478689
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: Title V Permits
Activity Date: 2005-03-09 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASDS0000607300058
Facility Registry ID: 110000478689
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: Title V Permits
Activity Date: 2005-07-08 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASDS0000607300058
Facility Registry ID: 110000478689
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: Title V Permits
Activity Date: 2006-01-26 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASDS0000607300058
Facility Registry ID: 110000478689
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: Title V Permits
Activity Date: 2007-06-12 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

CORTESE:
Name: ARMORLITE INC
Address: 1001 ARMORLITE DR
City,State,Zip: SAN MARCOS, CA 920691431
Region: CORTESE
Envirostor Id: Not reported
Global ID: T0607302793
Site/Facility Type: LUST CLEANUP SITE

SIGNET ARMORLITE, INC. (Continued) **1000314091**

Cleanup Status:	COMPLETED - CASE CLOSED
Status Date:	Not reported
Site Code:	Not reported
Latitude:	Not reported
Longitude:	Not reported
Owner:	Not reported
Enf Type:	Not reported
Swat R:	Not reported
Flag:	active
Order No:	Not reported
Waste Discharge System No:	Not reported
Effective Date:	Not reported
Region 2:	Not reported
WID Id:	Not reported
Solid Waste Id No:	Not reported
Waste Management Uit Name:	Not reported
File Name:	Active Open

EMI:

Name:	SIGNET ARMORLITE
Address:	1001 ARMORLITE DR
City,State,Zip:	SAN MARCOS, CA 92069
Year:	1997
County Code:	37
Air Basin:	SD
Facility ID:	172
Air District Name:	SD
SIC Code:	3851
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	42
Reactive Organic Gases Tons/Yr:	2
Carbon Monoxide Emissions Tons/Yr:	1
NOX - Oxides of Nitrogen Tons/Yr:	1
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Name:	SIGNET ARMORLITE
Address:	1001 ARMORLITE DR
City,State,Zip:	SAN MARCOS, CA 92069
Year:	1998
County Code:	37
Air Basin:	SD
Facility ID:	172
Air District Name:	SD
SIC Code:	3851
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	42
Reactive Organic Gases Tons/Yr:	2
Carbon Monoxide Emissions Tons/Yr:	1
NOX - Oxides of Nitrogen Tons/Yr:	1
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0

SIGNET ARMORLITE, INC. (Continued) **1000314091**

Part. Matter 10 Micrometers and Smllr Tons/Yr:0

Name:	SIGNET ARMORLITE
Address:	1001 ARMORLITE DR
City,State,Zip:	SAN MARCOS, CA 92069
Year:	1999
County Code:	37
Air Basin:	SD
Facility ID:	172
Air District Name:	SD
SIC Code:	3851
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	42
Reactive Organic Gases Tons/Yr:	2
Carbon Monoxide Emissions Tons/Yr:	1
NOX - Oxides of Nitrogen Tons/Yr:	1
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Name:	SIGNET ARMORLITE
Address:	1001 ARMORLITE DR
City,State,Zip:	SAN MARCOS, CA 92069
Year:	2000
County Code:	37
Air Basin:	SD
Facility ID:	172
Air District Name:	SD
SIC Code:	3851
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	42
Reactive Organic Gases Tons/Yr:	2
Carbon Monoxide Emissions Tons/Yr:	1
NOX - Oxides of Nitrogen Tons/Yr:	1
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Name:	SIGNET ARMORLITE
Address:	1001 ARMORLITE DR
City,State,Zip:	SAN MARCOS, CA 92069
Year:	2001
County Code:	37
Air Basin:	SD
Facility ID:	172
Air District Name:	SD
SIC Code:	3851
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Y
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	20
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	0

SIGNET ARMORLITE, INC. (Continued) **1000314091**

NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smllr Tons/Yr: 0

Name: SIGNET ARMORLITE
Address: 1001 ARMORLITE DR
City,State,Zip: SAN MARCOS, CA 92069
Year: 2002
County Code: 37
Air Basin: SD
Facility ID: 172
Air District Name: SD
SIC Code: 3851
Air District Name: SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 20
Reactive Organic Gases Tons/Yr: 0
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smllr Tons/Yr: 0

Name: SIGNET ARMORLITE
Address: 1001 ARMORLITE DR
City,State,Zip: SAN MARCOS, CA 92069
Year: 2003
County Code: 37
Air Basin: SD
Facility ID: 172
Air District Name: SD
SIC Code: 3851
Air District Name: SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 20
Reactive Organic Gases Tons/Yr: 0
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smllr Tons/Yr: 0

Name: SIGNET ARMORLITE
Address: 1001 ARMORLITE DR
City,State,Zip: SAN MARCOS, CA 92069
Year: 2004
County Code: 37
Air Basin: SD
Facility ID: 172
Air District Name: SD
SIC Code: 3851
Air District Name: SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System: Y
Consolidated Emission Reporting Rule: Not reported

SIGNET ARMORLITE, INC. (Continued) **1000314091**

Total Organic Hydrocarbon Gases Tons/Yr:	20.256239
Reactive Organic Gases Tons/Yr:	0.405522
Carbon Monoxide Emissions Tons/Yr:	0.008736
NOX - Oxides of Nitrogen Tons/Yr:	0.0104
SOX - Oxides of Sulphur Tons/Yr:	0.0000624
Particulate Matter Tons/Yr:	0.0007904
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0.0007904

Name:	SIGNET ARMORLITE INC
Address:	1001 ARMORLITE DR
City,State,Zip:	SAN MARCOS, CA 92069
Year:	2005
County Code:	37
Air Basin:	SD
Facility ID:	172
Air District Name:	SD
SIC Code:	3851
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	20.19114
Reactive Organic Gases Tons/Yr:	17.165132
Carbon Monoxide Emissions Tons/Yr:	.00874
NOX - Oxides of Nitrogen Tons/Yr:	.01
SOX - Oxides of Sulphur Tons/Yr:	.0000624
Particulate Matter Tons/Yr:	.00079
Part. Matter 10 Micrometers and Smllr Tons/Yr:	.00079

Name:	SIGNET ARMORLITE INC
Address:	1001 ARMORLITE DR
City,State,Zip:	SAN MARCOS, CA 92069
Year:	2006
County Code:	37
Air Basin:	SD
Facility ID:	172
Air District Name:	SD
SIC Code:	3851
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	12.98068055
Reactive Organic Gases Tons/Yr:	11.064925775
Carbon Monoxide Emissions Tons/Yr:	.00628998
NOX - Oxides of Nitrogen Tons/Yr:	.0116351
SOX - Oxides of Sulphur Tons/Yr:	.00004161
Particulate Matter Tons/Yr:	.00058958
Part. Matter 10 Micrometers and Smllr Tons/Yr:	.00058958

Name:	SIGNET ARMORLITE INC
Address:	1001 ARMORLITE DR
City,State,Zip:	SAN MARCOS, CA 92069
Year:	2007
County Code:	37
Air Basin:	SD
Facility ID:	172
Air District Name:	SD
SIC Code:	3851

SIGNET ARMORLITE, INC. (Continued) **1000314091**

Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	12.980686
Reactive Organic Gases Tons/Yr:	11.064931
Carbon Monoxide Emissions Tons/Yr:	.006291
NOX - Oxides of Nitrogen Tons/Yr:	.01164
SOX - Oxides of Sulphur Tons/Yr:	.0000416
Particulate Matter Tons/Yr:	.0005899
Part. Matter 10 Micrometers and Smllr Tons/Yr:	.0005899

Name:	SIGNET ARMORLITE INC
Address:	1001 ARMORLITE DR
City,State,Zip:	SAN MARCOS, CA 92069
Year:	2008
County Code:	37
Air Basin:	SD
Facility ID:	172
Air District Name:	SD
SIC Code:	3851
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	9.110686
Reactive Organic Gases Tons/Yr:	7.786267
Carbon Monoxide Emissions Tons/Yr:	.006291
NOX - Oxides of Nitrogen Tons/Yr:	.01164
SOX - Oxides of Sulphur Tons/Yr:	.0000416
Particulate Matter Tons/Yr:	.0005899
Part. Matter 10 Micrometers and Smllr Tons/Yr:	.0005899

ENF:

Name:	SIGNET ARMORLITE
Address:	1001 ARMORLITE DR
City,State,Zip:	SAN MARCOS, CA 92069
Region:	9
Facility Id:	257031
Agency Name:	Signet Armorlite
Place Type:	Facility
Place Subtype:	Not reported
Facility Type:	All other facilities
Agency Type:	Privately-Owned Business
# Of Agencies:	1
Place Latitude:	33.146831
Place Longitude:	-117.189715
SIC Code 1:	Not reported
SIC Desc 1:	Not reported
SIC Code 2:	Not reported
SIC Desc 2:	Not reported
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	Not reported
NAICS Desc 1:	Not reported
NAICS Code 2:	Not reported
NAICS Desc 2:	Not reported
NAICS Code 3:	Not reported
NAICS Desc 3:	Not reported

SIGNET ARMORLITE, INC. (Continued) **1000314091**

# Of Places:	1
Source Of Facility:	Reg Meas
Design Flow:	Not reported
Threat To Water Quality:	Not reported
Complexity:	Not reported
Pretreatment:	Not reported
Facility Waste Type:	Not reported
Facility Waste Type 2:	Not reported
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	SLIC
Program Category1:	TANKS
Program Category2:	TANKS
# Of Programs:	1
WDID:	9 000274N97
Reg Measure Id:	161243
Reg Measure Type:	Unregulated
Region:	9
Order #:	Not reported
Npdes# CA#:	Not reported
Major-Minor:	Not reported
Npdes Type:	Not reported
Reclamation:	Not reported
Dredge Fill Fee:	Not reported
301H:	Not reported
Application Fee Amt Received:	Not reported
Status:	Never Active
Status Date:	02/20/2013
Effective Date:	Not reported
Expiration/Review Date:	Not reported
Termination Date:	Not reported
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	N
Individual/General:	I
Fee Code:	Not reported
Direction/Voice:	Passive
Enforcement Id(EID):	233861
Region:	9
Order / Resolution Number:	UNKNOWN
Enforcement Action Type:	13267 Letter
Effective Date:	01/27/2000
Adoption/Issuance Date:	Not reported
Achieve Date:	Not reported
Termination Date:	Not reported
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Historical
Title:	Enforcement - 9 000274N97
Description:	Provide a time schedule for field activities for full delineation, vertical and horizontal, on-site and off-site, of ground water contamination from the Signet Armorlite facility.

SIGNET ARMORLITE, INC. (Continued) **1000314091**

Program:	SLIC
Latest Milestone Completion Date:	11/22/2000
# Of Programs1:	1
Total Assessment Amount:	0
Initial Assessed Amount:	0
Liability $ Amount:	0
Project $ Amount:	0
Liability $ Paid:	0
Project $ Completed:	0
Total $ Paid/Completed Amount:	0

Name:	SIGNET ARMORLITE
Address:	1001 ARMORLITE DR
City,State,Zip:	SAN MARCOS, CA 92069
Region:	9
Facility Id:	257031
Agency Name:	Signet Armorlite
Place Type:	Facility
Place Subtype:	Not reported
Facility Type:	All other facilities
Agency Type:	Privately-Owned Business
# Of Agencies:	1
Place Latitude:	33.146831
Place Longitude:	-117.189715
SIC Code 1:	Not reported
SIC Desc 1:	Not reported
SIC Code 2:	Not reported
SIC Desc 2:	Not reported
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	Not reported
NAICS Desc 1:	Not reported
NAICS Code 2:	Not reported
NAICS Desc 2:	Not reported
NAICS Code 3:	Not reported
NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Reg Meas
Design Flow:	Not reported
Threat To Water Quality:	Not reported
Complexity:	Not reported
Pretreatment:	Not reported
Facility Waste Type:	Not reported
Facility Waste Type 2:	Not reported
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	SLIC
Program Category1:	TANKS
Program Category2:	TANKS
# Of Programs:	1
WDID:	9 000274N97
Reg Measure Id:	161243
Reg Measure Type:	Unregulated
Region:	9
Order #:	Not reported
Npdes# CA#:	Not reported
Major-Minor:	Not reported

SIGNET ARMORLITE, INC. (Continued) **1000314091**

Npdes Type:	Not reported
Reclamation:	Not reported
Dredge Fill Fee:	Not reported
301H:	Not reported
Application Fee Amt Received:	Not reported
Status:	Never Active
Status Date:	02/20/2013
Effective Date:	Not reported
Expiration/Review Date:	Not reported
Termination Date:	Not reported
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	N
Individual/General:	I
Fee Code:	Not reported
Direction/Voice:	Passive
Enforcement Id(EID):	233171
Region:	9
Order / Resolution Number:	UNKNOWN
Enforcement Action Type:	13267 Letter
Effective Date:	05/19/1999
Adoption/Issuance Date:	Not reported
Achieve Date:	7/22/1999
Termination Date:	Not reported
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Historical
Title:	Enforcement - 9 000274N97
Description:	Submit a workplan for full delineation, vertical and horizontal, on-site and off-site, of ground water contamination from the Signet Armorlite facility.
Program:	SLIC
Latest Milestone Completion Date:	7/22/1999
# Of Programs1:	1
Total Assessment Amount:	0
Initial Assessed Amount:	0
Liability $ Amount:	0
Project $ Amount:	0
Liability $ Paid:	0
Project $ Completed:	0
Total $ Paid/Completed Amount:	0

HAZNET:

Name:	MILANO HOLDING INC.
Address:	1001 ARMORLITE DR
Address 2:	Not reported
City,State,Zip:	SAN MARCOS, CA 920691431
Contact:	ADAM STANFORD
Telephone:	2149301718
Mailing Name:	Not reported
Mailing Address:	130 BIRMINGHAM DRIVE
Year:	2013

SIGNET ARMORLITE, INC. (Continued) **1000314091**

Gepaid: CAC002717415
TSD EPA ID: AZC950823111
CA Waste Code: 151 - Asbestos containing waste
Disposal Method: H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Tons: 0.4

Additional Info:
Year: 2013
Gen EPA ID: CAC002717415

Shipment Date: 20130118
Creation Date: 6/7/2013 22:15:09
Receipt Date: 20130124
Manifest ID: 009506282JJK
Trans EPA ID: CAL000160111
Trans Name: ALLIANCE ENVIRONMENTAL GROUP
Trans 2 EPA ID: CAR000049064
Trans 2 Name: ECTI
TSDF EPA ID: AZC950823111
Trans Name: LA PAZ RECIAMATION SITE
TSDF Alt EPA ID: Not reported
TSDF Alt Name: Not reported
Waste Code Description: 151 - Asbestos-containing waste
RCRA Code: Not reported
Meth Code: H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons: 0.4
Waste Quantity: 1
Quantity Unit: Y
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

HIST CORTESE:
edr_fname: SIGNET ARMORLITE
edr_fadd1: 1001 ARMORLITE
City,State,Zip: SAN MARCOS, CA 92069
Region: CORTESE
Facility County Code: 37
Reg By: LTNKA
Reg Id: 9UT493

HWP:
EPA ID: CAD008362634
Name: SIGNET ARMORLITE INC
Address: 1001 ARMORLITE DR
Cleanup Status: CLOSED
Latitude: 33.14554
Longitude: -117.1853
Facility Type: Historical - Non-Operating
Facility Size: Not reported
Supervisor: Not reported

SIGNET ARMORLITE, INC. (Continued) **1000314091**

Site Code:	400252
Senate District:	38
Assembly District:	75
Public Information Officer:	Not reported
Commercial Offsite Facility Types:	Not reported
Quarterly Update:	WB Lead Agency for corrective action: Signet Armorlite Inc. (SAI) is located at 1001 Armorlite Drive, San Marcos, in northern San Diego County. Land use in the immediate vicinity is industrial. An Interim Status Document was issued to the facility by the U.S. EPA on January 4, 1982, for storage and treatment of these RCRA units: (1) hazardous waste storage unit, (1) elementary neutralization unit, (1) methylene chloride still, and (1) methylene chloride evaporation unit. SAI was classified as a treatment, storage, and disposal facility (TSDF). On November 2, 1984, the Department of Health Services denied SAIs request for hazardous waste reclassification from a TSDF to generator status, due to storage of hazardous waste on-site for longer than 90 days. The primary operations generated waste streams from the manufacturing plastic eyeglass lenses, and included the storage of nonchlorinated waste solvents, sodium hydroxide and water, and chlorinated waste solvents. As a treatment facility, SAI utilized two recovery units: one carbon adsorption unit and one distillation unit. The units were used to recover methylene chloride. The facility was formally clean closed by the U.S. EPA in a letter dated June 30, 1992. Our records indicate that in December 1997, the facility was referred to the Regional Water Quality Control Board (RWQCB) San Diego Region, as the lead agency for corrective action at the facility. In a letter dated October 28, 2005, the DTSC formally acknowledged that the RWQCB is the lead agency for corrective action at the facility.
Project Manager Lead:	Not reported
Project Manager:	Not reported
Permit Type:	RCRA
Permit Effective Date:	Not reported
Permit Expiration Date:	Not reported
Calenviroscreen Score:	56-60%
Total Planned Hours:	Not reported
Total Planned Amount:	Not reported
Total Actual Hours:	Not reported

Activities:

EPA ID:	CAD008362634
Facility Type:	Historical - Non-Operating
Facility Name:	SIGNET ARMORLITE INC
Project Manager:	Not reported
Project Manager Lead:	Not reported
Supervisor:	Not reported
Facility Status:	CLOSED
Activity Type:	New Operating Permit
Permit Being Renewed:	Not reported
Permit Being Modified:	Not reported
Final Date:	1991-06-20 00:00:00
Type:	RCRA
Title Description:	Imported 12/2011:PERMIT1
Due Date:	Not reported
Comments:	INTENDS/CLOSED ALL WASTE HANDLING FACILITY, INTENDS/CLOSED ALL WASTE HANDLING FACILITY, Approved Request
Unit Names:	Not reported
Event Description:	New Operating Permit - FINAL PERMIT - WITHDRAWAL REQUEST RECEIVED
Actual Date:	12/07/1989

SIGNET ARMORLITE, INC. (Continued) **1000314091**

EPA ID: CAD008362634
Facility Type: Historical - Non-Operating
Facility Name: SIGNET ARMORLITE INC
Project Manager: Not reported
Project Manager Lead: Not reported
Supervisor: Not reported
Facility Status: CLOSED
Activity Type: New Operating Permit
Permit Being Renewed: Not reported
Permit Being Modified: Not reported
Final Date: 1991-06-20 00:00:00
Type: RCRA
Title Description: Imported 12/2011:PERMIT1
Due Date: Not reported
Comments: INTENDS/CLOSED ALL WASTE HANDLING FACILITY, INTENDS/CLOSED ALL WASTE HANDLING FACILITY, Approved Request
Unit Names: Not reported
Event Description: New Operating Permit - FINAL PERMIT - WITHDRAWAL REQUEST ACKNOWLEDGED
Actual Date: 06/20/1991

EPA ID: CAD008362634
Facility Type: Historical - Non-Operating
Facility Name: SIGNET ARMORLITE INC
Project Manager: Not reported
Project Manager Lead: Not reported
Supervisor: Not reported
Facility Status: CLOSED
Activity Type: New Operating Permit
Permit Being Renewed: Not reported
Permit Being Modified: Not reported
Final Date: 1991-06-20 00:00:00
Type: RCRA
Title Description: Imported 12/2011:PERMIT1
Due Date: Not reported
Comments: Not reported
Unit Names: Not reported
Event Description: New Operating Permit - APPLICATION PART A RECEIVED
Actual Date: 11/29/1989

Closure:
EPA ID: CAD008362634
Facility Type: Historical - Non-Operating
Facility Name: SIGNET ARMORLITE INC
Project Manager: Not reported
Project Manager Lead: Not reported
Supervisor: Not reported
Facility Size: Not reported
Facility Status: CLOSED
Activity Type: Closure Final
Final Date: Not reported
Type: RCRA
Title Description: Closure
Due Date: Not reported
Comments: Not reported
Unit Names: CONTAIN1, OTHRTRT1
Event Description: Closure Final - RECEIVE CLOSURE CERTIFICATION
Actual Date: 06/18/1992

SIGNET ARMORLITE, INC. (Continued) **1000314091**

EPA ID: CAD008362634
Facility Type: Historical - Non-Operating
Facility Name: SIGNET ARMORLITE INC
Project Manager: Not reported
Project Manager Lead: Not reported
Supervisor: Not reported
Facility Size: Not reported
Facility Status: CLOSED
Activity Type: Closure Final
Final Date: Not reported
Type: RCRA
Title Description: Closure
Due Date: Not reported
Comments: Not reported
Unit Names: CONTAIN1, OTHRTRT1
Event Description: Closure Final - ISSUE CLOSURE VERIFICATION
Actual Date: 06/30/1992

Alias:
EPA ID: CAD008362634
Facility Type: Historical - Non-Operating
Facility Name: SIGNET ARMORLITE INC
Facility Status: CLOSED
Project Manager: Not reported
Project Manager Lead: Not reported
Supervisor: Not reported
Alias Type: FRS
Alias: 110000478689

EPA ID: CAD008362634
Facility Type: Historical - Non-Operating
Facility Name: SIGNET ARMORLITE INC
Facility Status: CLOSED
Project Manager: Not reported
Project Manager Lead: Not reported
Supervisor: Not reported
Alias Type: Project Code (Site Code)
Alias: 400252

SAN DIEGO CO LOP:
Name: ARMORLITE INC
Address: 1001 ARMORLITE DR
City,State,Zip: SAN MARCOS, CA 92069
Record ID: DEH1993-LSAM-H02662-002
Record Status: Completed
Opened Date: 09/15/1993
Parcel Number: 219-163-48-00
Case Type: Not reported
Historical Name: SIGNET ARMORLITE
SWRCB Global ID: SL209154190
Funding: N - Non-Billable
Lead Agency: RWQCB
Lead Agency Date: 09/15/1993
Census Tract: 200.29
Community: San Marcos

SIGNET ARMORLITE, INC. (Continued) **1000314091**

Jurisdiction:	SAN MARCOS
Watershed Basin Number:	904.52
Water Purveyor:	VALLECITOS WATER DISTRICT
Fire Agency:	SAN MARCOS FIRE PROT DIST
Latitude:	33.1446094
Longitude:	-117.1860845
X MapCoord:	6275167.036
Y MapCoord:	1997583.948

Name:	ARMORLITE INC
Address:	1001 ARMORLITE DR
City,State,Zip:	SAN MARCOS, CA 92069
Record ID:	DEH1986-LSAM-H02662-001
Record Status:	Completed
Opened Date:	08/22/1986
Parcel Number:	219-163-48-00
Case Type:	LOP - Local Oversight Program
Historical Name:	ARMORLITE INC
SWRCB Global ID:	T0607302793
Funding:	N - Non-Billable
Lead Agency:	RWQCB
Lead Agency Date:	04/10/1995
Census Tract:	200.29
Community:	San Marcos
Jurisdiction:	SAN MARCOS
Watershed Basin Number:	904.52
Water Purveyor:	VALLECITOS WATER IMP DIST NO 6 - SEWER SERVICE
Fire Agency:	SAN MARCOS FIRE PROTECTION DISTRICT
Latitude:	33.1446094
Longitude:	-117.1860845
X MapCoord:	6274903.34397328
Y MapCoord:	1997023.20319503

CIWQS:

Name:	SIGNET ARMORLITE INC
Address:	1001 ARMORLITE DR
City,State,Zip:	SAN MARCOS, CA 92069
Agency:	Signet Armorlite Essilor Labs of America
Agency Address:	PO Box 961389, El Paso, TX 79996
Place/Project Type:	Industrial - Ophthalmic Goods
SIC/NAICS:	3851
Region:	9
Program:	INDSTW
Regulatory Measure Status:	Terminated
Regulatory Measure Type:	Storm water industrial
Order Number:	2014-0057-DWQ
WDID:	9 37I001658
NPDES Number:	CAS000001
Adoption Date:	Not reported
Effective Date:	03/27/1992
Termination Date:	03/31/2013
Expiration/Review Date:	Not reported
Design Flow:	Not reported
Major/Minor:	Not reported
Complexity:	Not reported
TTWQ:	Not reported
Enforcement Actions within 5 years:	0

SIGNET ARMORLITE, INC. (Continued) **1000314091**

Violations within 5 years: 0
Latitude: 33.1469
Longitude: -117.18977

CERS:
Name: ARMORLITE INC
Address: 1001 ARMORLITE DR
City,State,Zip: SAN MARCOS, CA 920691431
Site ID: 207455
CERS ID: T0607302793
CERS Description: Leaking Underground Storage Tank Cleanup Site

Affiliation:
Affiliation Type Desc: Local Agency Caseworker
Entity Name: KEVIN HEATON - SAN DIEGO COUNTY LOP
Entity Title: Not reported
Affiliation Address: P.O. Box 129261
Affiliation City: San Diego
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Name: PROPOSED DAVIA VILLAGE
Address: 1001 ARMORLITE DRIVE
City,State,Zip: SAN MARCOS, CA 92069
Site ID: 212080
CERS ID: T10000003706
CERS Description: Cleanup Program Site

Affiliation:
Affiliation Type Desc: Regional Board Caseworker
Entity Name: SARAH A. MEARON - SAN DIEGO RWQCB (REGION 9)
Entity Title: Not reported
Affiliation Address: 2375 NORTHSIDE DRIVE, SUITE 100
Affiliation City: SAN DIEGO
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: 6195213363,

Name: SIGNET ARMORLITE
Address: 1001 ARMORLITE DR.
City,State,Zip: SAN MARCOS, CA 920691431
Site ID: 494325
CERS ID: 110000478689
CERS Description: US EPA Air Emission Inventory System (EIS)

Affiliation:
Affiliation Type Desc: Environmental Contact
Entity Name: JOHN T HINGEY
Entity Title: V.P. OF MANUFACTURING
Affiliation Address: 1001 ARMORLITE DRIVE
Affiliation City: SANMARCOS
Affiliation State: CA
Affiliation Country: Not reported

SIGNET ARMORLITE, INC. (Continued) **1000314091**

Affiliation Zip: Not reported
Affiliation Phone: ,

Name: SIGNET ARMORLITE INC
Address: 1001 ARMORLITE DR
City,State,Zip: SAN MARCOS, CA 920690000
Site ID: 610112
CERS ID: 80001570
CERS Description: Corrective Action

Affiliation:
Affiliation Type Desc: Facility Contact
Entity Name: PRASHANT SANTAN
Entity Title: Not reported
Affiliation Address: 130 BINGHAM DR
Affiliation City: SAN MARCOS
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 920691402
Affiliation Phone: 7607444000,

Affiliation Type Desc: Facility Owner
Entity Name: EOA HOLDING CO INC
Entity Title: Not reported
Affiliation Address: 13555 N STEMMONS FWY
Affiliation City: DALLAS
Affiliation State: TX
Affiliation Country: Not reported
Affiliation Zip: 752340000
Affiliation Phone: 7607444000,

Affiliation Type Desc: Supervisor
Entity Name: * Unknown
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Name: MILANO HOLDINGS INC. (FORMER SIGNET ARMORLITE, INC.)
Address: 1001 ARMORLITE DRIVE
City,State,Zip: SAN MARCOS, CA 92069
Site ID: 209533
CERS ID: SL209154190
CERS Description: Cleanup Program Site

Name: SIGNET ARMORLITE INC
Address: 1001 ARMORLITE DR
City,State,Zip: SAN MARCOS, CA 920690000
Site ID: 610112
CERS ID: CAD008362634
CERS Description: Hazardous Waste

Affiliation:

SIGNET ARMORLITE, INC. (Continued) **1000314091**

Affiliation Type Desc:	Facility Contact
Entity Name:	PRASHANT SANTAN
Entity Title:	Not reported
Affiliation Address:	130 BINGHAM DR
Affiliation City:	SAN MARCOS
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	920691402
Affiliation Phone:	7607444000,

Affiliation Type Desc:	Facility Owner
Entity Name:	EOA HOLDING CO INC
Entity Title:	Not reported
Affiliation Address:	13555 N STEMMONS FWY
Affiliation City:	DALLAS
Affiliation State:	TX
Affiliation Country:	Not reported
Affiliation Zip:	752340000
Affiliation Phone:	7607444000,

Affiliation Type Desc:	Supervisor
Entity Name:	* Unknown
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,

HWTS:

Name:	MILANO HOLDING INC.
Address:	1001 ARMORLITE DR
Address 2:	Not reported
City,State,Zip:	SAN MARCOS, CA 92069
EPA ID:	CAC002717415
Inactive Date:	04/18/2013
Create Date:	01/17/2013
Last Act Date:	Not reported
Mailing Name:	Not reported
Mailing Address:	130 BIRMINGHAM DRIVE
Mailing Address 2:	Not reported
Mailing City,State,Zip:	SAN MARCOS, CA 92069
Owner Name:	MILANO HOLDING INC.
Owner Address:	130 BIRMINGHAM DRIVE
Owner Address 2:	Not reported
Owner City,State,Zip:	SAN MARCOS, CA 92069
Contact Name:	ADAM STANFORD
Contact Address:	130 BIRMINGHAM DRIVE
Contact Address 2:	Not reported
City,State,Zip:	SAN MARCOS, CA 92069
Facility Status:	Inactive
Facility Type:	TEMPORARY
Category:	STATE
Latitude:	33.14484
Longitude:	-117.184356

Y163 **SAN DIEGO AUTO CENTER** **LUST** **S103671467**
SE **755 SAN MARCOS BL** **SAN DIEGO CO. SAM** **N/A**
1/4-1/2 **SAN MARCOS, CA 92069** **San Diego Co. HMMD**
0.305 mi. **Cortese**
1611 ft. **Site 3 of 4 in cluster Y** **CERS**

Relative:
Higher

Actual:
547 ft.

LUST:

Name:	SAN DIEGO AUTO CENTER
Address:	755 SAN MARCOS BL
City,State,Zip:	SAN MARCOS, CA 920694221
Lead Agency:	SAN DIEGO COUNTY LOP
Case Type:	LUST Cleanup Site
Geo Track:	http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0607302677
Global Id:	T0607302677
Latitude:	33.1365524
Longitude:	-117.1808704
Status:	Completed - Case Closed
Status Date:	12/27/2000
Case Worker:	Not reported
RB Case Number:	9UT3917
Local Agency:	Not reported
File Location:	Local Agency
Local Case Number:	H26610-001
Potential Media Affect:	Soil
Potential Contaminants of Concern:	Waste Oil / Motor / Hydraulic / Lubricating
Site History:	Not reported

LUST:

Global Id:	T0607302677
Action Type:	Other
Date:	03/31/1999
Action:	Leak Began

Global Id:	T0607302677
Action Type:	Other
Date:	05/03/1999
Action:	Leak Reported

Global Id:	T0607302677
Action Type:	ENFORCEMENT
Date:	12/27/2000
Action:	Closure/No Further Action Letter - #H26610-001

Global Id:	T0607302677
Action Type:	Other
Date:	03/31/1999
Action:	Leak Stopped

Global Id:	T0607302677
Action Type:	Other
Date:	03/31/1999
Action:	Leak Discovery

LUST:

Global Id:	T0607302677
Status:	Open - Case Begin Date
Status Date:	03/31/1999

Global Id:	T0607302677

SAN DIEGO AUTO CENTER (Continued) **S103671467**

Status: Completed - Case Closed
Status Date: 12/27/2000

SAN DIEGO CO. SAM:
Name: SAN DIEGO AUTO CENTER
Address: 755 SAN MARCOS BL
City,State,Zip: SAN MARCOS, CA 920694221
Case Number: H26610-001
Agency: DEH Site Assessment & Mitigation
Funding: **LOP - Federal Fund**
Facility Type: Soils Only
Facility Status: Closed Case
Date: 12/27/2000
Date Began: 3/31/1999

HMMD SAN DIEGO:
Name: ABLE AUTOMOTIVE
Address: 755 SAN MARCOS BLVD
City,State,Zip: SAN MARCOS, CA 92078
Permit Number: 209543
Business Type: 6HK26
EPA Id Number: Not reported
APN: 219-270-26-00
Last HMMD Inspection: 07/23/2008
Facility Telephone: 760-744-2730
Permit Status: INAC
Permit Expiration: 10/31/2008
Date Last Updated: 11/02/2012
Facility Owner: SEAN SEBO
Facility Mailing Address: 755 SAN MARCOS BLVD #108
Facility Mailing City: SAN MARCOS
Facility Mailing State: CA
Facility Mailing Zip: 92078
UST Owner: Not reported
Handle Regulated Hazmat: Not reported
Own Or Operate UST: Not reported
Subject To APSA: Not reported
Generate Haz Waste: Y
Treat Haz Waste: Not reported
Generate Medical Waste: Not reported

Name: ABLE AUTOMOTIVE
Address: 755 SAN MARCOS BLVD
City,State,Zip: SAN MARCOS, CA 92078
Permit Number: 209543
Business Type: 6HK26
EPA Id Number: Not reported
APN: 219-270-26-00
Last HMMD Inspection: 07/23/2008
Facility Telephone: 760-744-2730
Permit Status: INAC
Permit Expiration: 10/31/2008
Date Last Updated: 11/02/2012
Facility Owner: SEAN SEBO
Facility Mailing Address: 755 SAN MARCOS BLVD #108

SAN DIEGO AUTO CENTER (Continued) **S103671467**

Facility Mailing City:	SAN MARCOS
Facility Mailing State:	CA
Facility Mailing Zip:	92078
UST Owner:	Not reported
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Not reported
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

Name:	ABLE AUTOMOTIVE
Address:	755 SAN MARCOS BLVD
City,State,Zip:	SAN MARCOS, CA 92078
Permit Number:	209543
Business Type:	6HK26
EPA Id Number:	Not reported
APN:	219-270-26-00
Last HMMD Inspection:	07/23/2008
Facility Telephone:	760-744-2730
Permit Status:	INAC
Permit Expiration:	10/31/2008
Date Last Updated:	11/02/2012
Facility Owner:	SEAN SEBO
Facility Mailing Address:	755 SAN MARCOS BLVD #108
Facility Mailing City:	SAN MARCOS
Facility Mailing State:	CA
Facility Mailing Zip:	92078
UST Owner:	Not reported
Handle Regulated Hazmat:	Y
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Y
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

CORTESE:

Name:	SAN DIEGO AUTO CENTER
Address:	755 SAN MARCOS BL
City,State,Zip:	SAN MARCOS, CA 920694221
Region:	CORTESE
Envirostor Id:	Not reported
Global ID:	T0607302677
Site/Facility Type:	LUST CLEANUP SITE
Cleanup Status:	COMPLETED - CASE CLOSED
Status Date:	Not reported
Site Code:	Not reported
Latitude:	Not reported
Longitude:	Not reported
Owner:	Not reported
Enf Type:	Not reported
Swat R:	Not reported
Flag:	active
Order No:	Not reported
Waste Discharge System No:	Not reported
Effective Date:	Not reported
Region 2:	Not reported

SAN DIEGO AUTO CENTER (Continued) **S103671467**

WID Id: Not reported
Solid Waste Id No: Not reported
Waste Management Uit Name: Not reported
File Name: Active Open

CERS:
Name: SAN DIEGO AUTO CENTER
Address: 755 SAN MARCOS BL
City,State,Zip: SAN MARCOS, CA 920694221
Site ID: 188901
CERS ID: T0607302677
CERS Description: Leaking Underground Storage Tank Cleanup Site

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Y164 **SAN MARCOS AUTO CENTER** **LUST** **S103891836**
SE **747 SAN MARCOS BLVD** **SWEEPS UST** **N/A**
1/4-1/2 **SAN MARCOS, CA 92069** **HIST CORTESE**
0.309 mi.
1632 ft. **Site 4 of 4 in cluster Y**

Relative:
Higher

Actual:
547 ft.

LUST REG 9:
Region: 9
Status: Preliminary site assessment workplan submitted
Case Number: 9UT3917
Local Case: H26610-001
Substance: Waste Oil
Qty Leaked: Not reported
Abate Method: Not reported
Local Agency: San Diego
How Found: Tank Closure
How Stopped: Close Tank
Source: Unknown
Cause: Unknown
Lead Agency: Local Agency
Case Type: Soil only
Date Found: 03/31/1999
Date Stopped: 03/31/1999
Confirm Date: 05/14/1999
Submit Workplan: 5/26/99
Prelim Assess: / /
Desc Pollution: Not reported
Remed Plan: / /
Remed Action: Not reported
Began Monitor: Not reported
Release Date: 03/31/1999
Enforce Date: Not reported
Closed Date: Not reported
Enforce Type: Not reported
Pilot Program: LOP
Basin Number: 904.52
GW Depth: >13'
Beneficial Use: MUNBU
NPDES Number: Not reported
Priority: Not reported
File Dispn: Administratively opened on database, however no file physically exists
Interim Remedial Actions: Not reported
Cleanup and Abatement order Number: Not reported
Waste Discharge Requirement Number: Not reported

SAN MARCOS AUTO CENTER (Continued) **S103891836**

SWEEPS UST:

Name:	SAN MARCOS AUTO MALL
Address:	747 SAN MARCOS BLVD
City:	SAN MARCOS
Status:	Active
Comp Number:	26610
Number:	9
Board Of Equalization:	44-023729
Referral Date:	Not reported
Action Date:	06-26-92
Created Date:	02-29-88
Owner Tank Id:	Not reported
SWRCB Tank Id:	37-000-026610-000001
Tank Status:	A
Capacity:	550
Active Date:	Not reported
Tank Use:	PETROLEUM
STG:	W
Content:	Not reported
Number Of Tanks:	1

HIST CORTESE:

edr_fname:	SAN MARCOS AUTO CENTER
edr_fadd1:	747 SAN MARCOS
City,State,Zip:	SAN MARCOS, CA 92069
Region:	CORTESE
Facility County Code:	37
Reg By:	LTNKA
Reg Id:	3UT3917

165
North
1/4-1/2
0.309 mi.
1632 ft.

Relative:
Higher

Actual:
560 ft.

CREST BEVERAGE
1152 ARMORLITE DR
SAN MARCOS, CA 92069

SAN DIEGO CO. SAM
LUST
San Diego Co. HMMD
SWEEPS UST
Cortese
HIST CORTESE
NPDES
SAN DIEGO CO LOP
CIWQS
CERS

S102428480
N/A

SAN DIEGO CO. SAM:

Name:	SAN DIEGO UNION TRIBUNE
Address:	1152 ARMORLITE DR
City,State,Zip:	SAN MARCOS, CA 920691441
Case Number:	H20781-001
Agency:	DEH Site Assessment & Mitigation
Funding:	**LOP - Federal Fund**
Facility Type:	Drinking Water Aquifer Impacted
Facility Status:	Closed Case
Date:	5/31/1990
Date Began:	11/15/1988

LUST:

Name:	SAN DIEGO UNION TRIBUNE
Address:	1152 ARMORLITE DR

CREST BEVERAGE (Continued) **S102428480**

City,State,Zip:	SAN MARCOS, CA 920691441
Lead Agency:	SAN DIEGO COUNTY LOP
Case Type:	LUST Cleanup Site
Geo Track:	http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0607300256
Global Id:	T0607300256
Latitude:	33.14619
Longitude:	-117.185708
Status:	Completed - Case Closed
Status Date:	05/31/1990
Case Worker:	Not reported
RB Case Number:	9UT1422
Local Agency:	Not reported
File Location:	Local Agency
Local Case Number:	H20781-001
Potential Media Affect:	Aquifer used for drinking water supply
Potential Contaminants of Concern:	Gasoline
Site History:	Not reported

LUST:

Global Id:	T0607300256
Action Type:	Other
Date:	03/27/1989
Action:	Leak Reported

Global Id:	T0607300256
Action Type:	Other
Date:	11/15/1988
Action:	Leak Began

Global Id:	T0607300256
Action Type:	Other
Date:	03/27/1989
Action:	Leak Stopped

Global Id:	T0607300256
Action Type:	Other
Date:	11/15/1988
Action:	Leak Discovery

LUST:

Global Id:	T0607300256
Status:	Open - Case Begin Date
Status Date:	11/15/1988

Global Id:	T0607300256
Status:	Completed - Case Closed
Status Date:	05/31/1990

LUST REG 9:

Region:	9
Status:	Case Closed
Case Number:	9UT1422
Local Case:	H20781-001
Substance:	Gasoline
Qty Leaked:	Not reported
Abate Method:	No Action Required - incident is minor, requiring no remedial action

CREST BEVERAGE (Continued) **S102428480**

Local Agency: San Diego
How Found: Tank Closure
How Stopped: Close Tank
Source: Not reported
Cause: Not reported
Lead Agency: Local Agency
Case Type: Aquifer affected
Date Found: 03/27/1989
Date Stopped: 03/27/1989
Confirm Date: 03/27/1989
Submit Workplan: Not reported
Prelim Assess: 06/08/1989
Desc Pollution: Not reported
Remed Plan: / /
Remed Action: Not reported
Began Monitor: Not reported
Release Date: 06/08/1989
Enforce Date: Not reported
Closed Date: 5/31/90
Enforce Type: Not reported
Pilot Program: LOP
Basin Number: 904.52
GW Depth: 10'
Beneficial Use: Municipal groundwater use
NPDES Number: Not reported
Priority: High priority
File Dispn: File discarded, case closed
Interim Remedial Actions: Yes
Cleanup and Abatement order Number: Not reported
Waste Discharge Requirement Number: Not reported

HMMD SAN DIEGO:
Name: SAN DIEGO UNION TRIBUNE
Address: 1152 ARMORLITE DR
City,State,Zip: SAN MARCOS, CA 92069
Permit Number: 120781
Business Type: 6HK15
EPA Id Number: CAL912495571
APN: 219-162-19-00
Last HMMD Inspection: 09/08/1999
Facility Telephone: 858-752-6772
Permit Status: INAC
Permit Expiration: 10/31/2004
Date Last Updated: 11/02/2012
Facility Owner: SAN DIEGO UNION TRIBUNE
Facility Mailing Address: 350 CAMINO DE LA REINA
Facility Mailing City: SAN DIEGO
Facility Mailing State: CA
Facility Mailing Zip: 92108-3003
UST Owner: ARMORLITE ASSOCIATES
Handle Regulated Hazmat: Not reported
Own Or Operate UST: Not reported
Subject To APSA: Not reported
Generate Haz Waste: Y
Treat Haz Waste: Not reported
Generate Medical Waste: Not reported

CREST BEVERAGE (Continued) **S102428480**

UST:

UST Name:	UNDERGROUND TANK 120781 T001
Last Update:	2012-11-02 14:17:38
Permit Number:	120781
Tank Type:	DOUBLE WALL
Additional Id:	1
Capacity Gallons:	10000
UST Contents:	REGULAR UNLEADED
Other Content Info:	REGULAR UNLEADED
Reg Status:	REMOVED
Remove Close Date:	1989-03-27 00:00:00
Year Installed:	1985-01-01 00:00:00
Pipe Type:	LINED TRENCH
Delivery System:	PRESSURE
Monitor Code:	25
UST Monitor Method:	EXTERNAL MONITOR : CONTINUOUS VADOSE ZONE VAPOR MONITORS AND / OR WEEKLY (MINIMUM) VADOSE ZONE LIQUID MONITORING

UST Name:	UNDERGROUND TANK 120781 T002
Last Update:	2012-11-02 14:17:38
Permit Number:	120781
Tank Type:	DOUBLE WALL
Additional Id:	2
Capacity Gallons:	5000
UST Contents:	DIESEL
Other Content Info:	DIESEL
Reg Status:	REMOVED
Remove Close Date:	1989-03-27 00:00:00
Year Installed:	1985-01-01 00:00:00
Pipe Type:	LINED TRENCH
Delivery System:	PRESSURE
Monitor Code:	25
UST Monitor Method:	EXTERNAL MONITOR : CONTINUOUS VADOSE ZONE VAPOR MONITORS AND / OR WEEKLY (MINIMUM) VADOSE ZONE LIQUID MONITORING

SWEEPS UST:

Name:	SAN DIEGO UNION TRIBUNE
Address:	1152 ARMORLITE DR
City:	SAN MARCOS
Status:	Not reported
Comp Number:	20781
Number:	Not reported
Board Of Equalization:	44-023328
Referral Date:	Not reported
Action Date:	Not reported
Created Date:	Not reported
Owner Tank Id:	Not reported
SWRCB Tank Id:	37-000-020781-000001
Tank Status:	Not reported
Capacity:	10000
Active Date:	Not reported
Tank Use:	M.V. FUEL
STG:	PRODUCT
Content:	REG UNLEADED
Number Of Tanks:	2

CREST BEVERAGE (Continued) **S102428480**

Name:	SAN DIEGO UNION TRIBUNE
Address:	1152 ARMORLITE DR
City:	SAN MARCOS
Status:	Not reported
Comp Number:	20781
Number:	Not reported
Board Of Equalization:	44-023328
Referral Date:	Not reported
Action Date:	Not reported
Created Date:	Not reported
Owner Tank Id:	Not reported
SWRCB Tank Id:	37-000-020781-000002
Tank Status:	Not reported
Capacity:	5000
Active Date:	Not reported
Tank Use:	M.V. FUEL
STG:	PRODUCT
Content:	OTHER
Number Of Tanks:	Not reported

Name:	SAN DIEGO UNION TRIBUNE
Address:	1152 ARMORLITE DR
City:	SAN MARCOS
Status:	Active
Comp Number:	20781
Number:	9
Board Of Equalization:	44-023328
Referral Date:	Not reported
Action Date:	06-26-92
Created Date:	02-29-88
Owner Tank Id:	Not reported
SWRCB Tank Id:	Not reported
Tank Status:	Not reported
Capacity:	Not reported
Active Date:	Not reported
Tank Use:	Not reported
STG:	Not reported
Content:	Not reported
Number Of Tanks:	Not reported

CORTESE:

Name:	SAN DIEGO UNION TRIBUNE
Address:	1152 ARMORLITE DR
City,State,Zip:	SAN MARCOS, CA 920691441
Region:	CORTESE
Envirostor Id:	Not reported
Global ID:	T0607300256
Site/Facility Type:	LUST CLEANUP SITE
Cleanup Status:	COMPLETED - CASE CLOSED
Status Date:	Not reported
Site Code:	Not reported
Latitude:	Not reported
Longitude:	Not reported
Owner:	Not reported
Enf Type:	Not reported
Swat R:	Not reported
Flag:	active

CREST BEVERAGE (Continued) **S102428480**

Order No:	Not reported
Waste Discharge System No:	Not reported
Effective Date:	Not reported
Region 2:	Not reported
WID Id:	Not reported
Solid Waste Id No:	Not reported
Waste Management Uit Name:	Not reported
File Name:	Active Open

HIST CORTESE:

edr_fname:	CREST BEVERAGE
edr_fadd1:	1152 ARMORLITE
City,State,Zip:	SAN MARCOS, CA 94608
Region:	CORTESE
Facility County Code:	37
Reg By:	LTNKA
Reg Id:	9UT1422

NPDES:

Name:	ARMORLITE DRIVE NEW NOI
Address:	1152 ARMORLITE DRIVE
City,State,Zip:	SAN MARCOS, CA 92069
Facility Status:	Not reported
NPDES Number:	Not reported
Region:	Not reported
Agency Number:	Not reported
Regulatory Measure ID:	Not reported
Place ID:	Not reported
Order Number:	Not reported
WDID:	9 37C374345
Regulatory Measure Type:	Construction
Program Type:	Not reported
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Discharge Address:	Not reported
Discharge Name:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
Status:	Terminated
Status Date:	09/15/2016
Operator Name:	San Marcos City
Operator Address:	1 Civic Center Dr
Operator City:	San Marcos
Operator State:	California
Operator Zip:	92069

NPDES as of 03/2018:

NPDES Number:	CAS000002
Status:	Terminated
Agency Number:	0
Region:	9
Regulatory Measure ID:	462853
Order Number:	2009-0009-DWQ
Regulatory Measure Type:	Enrollee

CREST BEVERAGE (Continued) **S102428480**

Place ID:	Not reported
WDID:	9 37C374345
Program Type:	Construction
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	10/20/2015
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	09/15/2016
Discharge Name:	San Marcos City
Discharge Address:	1 Civic Center Dr
Discharge City:	San Marcos
Discharge State:	California
Discharge Zip:	92069
Received Date:	Not reported
Processed Date:	Not reported
Status:	Not reported
Status Date:	Not reported
Place Size:	Not reported
Place Size Unit:	Not reported
Contact:	Not reported
Contact Title:	Not reported
Contact Phone:	Not reported
Contact Phone Ext:	Not reported
Contact Email:	Not reported
Operator Name:	Not reported
Operator Address:	Not reported
Operator City:	Not reported
Operator State:	Not reported
Operator Zip:	Not reported
Operator Contact:	Not reported
Operator Contact Title:	Not reported
Operator Contact Phone:	Not reported
Operator Contact Phone Ext:	Not reported
Operator Contact Email:	Not reported
Operator Type:	Not reported
Developer:	Not reported
Developer Address:	Not reported
Developer City:	Not reported
Developer State:	Not reported
Developer Zip:	Not reported
Developer Contact:	Not reported
Developer Contact Title:	Not reported
Constype Linear Utility Ind:	Not reported
Emergency Phone:	Not reported
Emergency Phone Ext:	Not reported
Constype Above Ground Ind:	Not reported
Constype Below Ground Ind:	Not reported
Constype Cable Line Ind:	Not reported
Constype Comm Line Ind:	Not reported
Constype Commertial Ind:	Not reported
Constype Electrical Line Ind:	Not reported
Constype Gas Line Ind:	Not reported
Constype Industrial Ind:	Not reported
Constype Other Description:	Not reported
Constype Other Ind:	Not reported
Constype Recons Ind:	Not reported
Constype Residential Ind:	Not reported
Constype Transport Ind:	Not reported

CREST BEVERAGE (Continued) **S102428480**

Constype Utility Description:	Not reported
Constype Utility Ind:	Not reported
Constype Water Sewer Ind:	Not reported
Dir Discharge Uswater Ind:	Not reported
Receiving Water Name:	Not reported
Certifier:	Not reported
Certifier Title:	Not reported
Certification Date:	Not reported
Primary Sic:	Not reported
Secondary Sic:	Not reported
Tertiary Sic:	Not reported
NPDES Number:	Not reported
Status:	Not reported
Agency Number:	Not reported
Region:	9
Regulatory Measure ID:	462853
Order Number:	Not reported
Regulatory Measure Type:	Construction
Place ID:	Not reported
WDID:	9 37C374345
Program Type:	Not reported
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	09/15/2016
Discharge Name:	Not reported
Discharge Address:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
Received Date:	10/07/2015
Processed Date:	10/20/2015
Status:	Terminated
Status Date:	09/15/2016
Place Size:	3.3
Place Size Unit:	Acres
Contact:	Reed Thornberry
Contact Title:	Not reported
Contact Phone:	760-744-1050
Contact Phone Ext:	Not reported
Contact Email:	rthornberry@san-marcos.net
Operator Name:	San Marcos City
Operator Address:	1 Civic Center Dr
Operator City:	San Marcos
Operator State:	California
Operator Zip:	92069
Operator Contact:	Reed Thornberry
Operator Contact Title:	Not reported
Operator Contact Phone:	760-744-1050
Operator Contact Phone Ext:	Not reported
Operator Contact Email:	rthornberry@san-marcos.net
Operator Type:	City/Town Agency
Developer:	San Marcos City
Developer Address:	1 Civic Center Dr
Developer City:	San Marcos
Developer State:	California

CREST BEVERAGE (Continued) **S102428480**

Developer Zip:	92069
Developer Contact:	Reed Thornberry
Developer Contact Title:	Not reported
Constype Linear Utility Ind:	N
Emergency Phone:	Not reported
Emergency Phone Ext:	Not reported
Constype Above Ground Ind:	N
Constype Below Ground Ind:	N
Constype Cable Line Ind:	N
Constype Comm Line Ind:	N
Constype Commertial Ind:	N
Constype Electrical Line Ind:	N
Constype Gas Line Ind:	N
Constype Industrial Ind:	N
Constype Other Description:	Not reported
Constype Other Ind:	N
Constype Recons Ind:	N
Constype Residential Ind:	N
Constype Transport Ind:	N
Constype Utility Description:	Not reported
Constype Utility Ind:	N
Constype Water Sewer Ind:	N
Dir Discharge Uswater Ind:	N
Receiving Water Name:	San Marcos Creek
Certifier:	Reed Thornberry
Certifier Title:	Stormwater Program Manager
Certification Date:	07-OCT-15
Primary Sic:	Not reported
Secondary Sic:	Not reported
Tertiary Sic:	Not reported

Name:	ARMORLITE DRIVE WAIVER
Address:	1152 ARMORLITE DRIVE
City,State,Zip:	SAN MARCOS, CA 92069
Facility Status:	Not reported
NPDES Number:	Not reported
Region:	Not reported
Agency Number:	Not reported
Regulatory Measure ID:	Not reported
Place ID:	Not reported
Order Number:	Not reported
WDID:	9 37W002088
Regulatory Measure Type:	Construction
Program Type:	Not reported
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Discharge Address:	Not reported
Discharge Name:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
Status:	Expired
Status Date:	11/11/2015
Operator Name:	San Marcos City

CREST BEVERAGE (Continued) **S102428480**

Operator Address:	1 Civic Center Dr
Operator City:	San Marcos
Operator State:	California
Operator Zip:	92069

SAN DIEGO CO LOP:

Name:	SAN DIEGO UNION TRIBUNE
Address:	1152 ARMORLITE DR
City,State,Zip:	SAN MARCOS, CA 92069
Record ID:	DEH1989-LSAM-H20781-001
Record Status:	Completed
Opened Date:	03/27/1989
Parcel Number:	219-162-19-00
Case Type:	LOP - Local Oversight Program
Historical Name:	CREST BEVERAGE COMPANY
SWRCB Global ID:	T0607300256
Funding:	F - LOP Federal Fund
Lead Agency:	DEH/SAM
Lead Agency Date:	05/19/1989
Census Tract:	200.29
Community:	San Marcos
Jurisdiction:	SAN MARCOS
Watershed Basin Number:	904.52
Water Purveyor:	VALLECITOS WATER DISTRICT
Fire Agency:	SAN MARCOS FIRE PROT DIST
Latitude:	33.1462048
Longitude:	-117.1857160
X MapCoord:	6275260.829
Y MapCoord:	1998101.993

CIWQS:

Name:	ARMORLITE DRIVE NEW NOI
Address:	1152 ARMORLITE DRIVE
City,State,Zip:	SAN MARCOS, CA 92069
Agency:	San Marcos City
Agency Address:	1 Civic Center Dr, San Marcos, CA 92069
Place/Project Type:	Construction
SIC/NAICS:	Not reported
Region:	9
Program:	CONSTW
Regulatory Measure Status:	Terminated
Regulatory Measure Type:	Storm water construction
Order Number:	2009-0009-DWQ
WDID:	9 37C374345
NPDES Number:	CAS000002
Adoption Date:	Not reported
Effective Date:	10/20/2015
Termination Date:	09/15/2016
Expiration/Review Date:	Not reported
Design Flow:	Not reported
Major/Minor:	Not reported
Complexity:	Not reported
TTWQ:	Not reported
Enforcement Actions within 5 years:	0
Violations within 5 years:	0
Latitude:	33.146205

CREST BEVERAGE (Continued) **S102428480**

Longitude: -117.185716

CERS:
Name: SAN DIEGO UNION TRIBUNE
Address: 1152 ARMORLITE DR
City,State,Zip: SAN MARCOS, CA 920691441
Site ID: 237433
CERS ID: T0607300256
CERS Description: Leaking Underground Storage Tank Cleanup Site

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AB166 **COLUCCI DEVELOPMENT** **CPS-SLIC** **S106519075**
WNW **1325 GRAND AVE** **N/A**
1/4-1/2 **SAN MARCOS, CA 92069**
0.327 mi.
1725 ft. **Site 1 of 2 in cluster AB**

Relative: Higher
Actual: 546 ft.

SLIC REG 9:
Name: COLUCCI DEVELOPMENT
Address: 1325 GRAND AVE
City: SAN MARCOS
Region: 9
Facilty Type: Not reported
Status: Dead
Sort Code: 20-0305.05
Waste Discharger Id: Not reported
Local Case Num: Not reported
Responsible Party: GRAND AVENUE BUSINESS PARK
Category: ENFORCEMENT
Class: SLIC
Order Number: Not reported
File Number: 1
Date Entered: 11/1986
End Date: 12/1986
Archive Box #: 928
Archive Box Storage: 3-1-15F
Archive Box Storage Location: MR. ALBERT COLUCCI
Remarks: Not reported

AC167 **LLOYD PEST CONTROL** **LUST** **S100728336**
SE **223 S BENT AV** **SAN DIEGO CO. SAM** **N/A**
1/4-1/2 **SAN MARCOS, CA 92069** **San Diego Co. HMMD**
0.336 mi. **Cortese**
1776 ft. **Site 1 of 2 in cluster AC** **CERS**

Relative: Lower
Actual: 542 ft.

LUST:
Name: LLOYD PEST CONTROL
Address: 223 S BENT AV
City,State,Zip: SAN MARCOS, CA 920694226
Lead Agency: SAN DIEGO COUNTY LOP
Case Type: LUST Cleanup Site
Geo Track: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0607302025
Global Id: T0607302025
Latitude: 33.1355033
Longitude: -117.1815795
Status: Completed - Case Closed
Status Date: 07/11/2000

LLOYD PEST CONTROL (Continued) **S100728336**

Case Worker: Not reported
RB Case Number: 9UT3270
Local Agency: Not reported
File Location: Local Agency
Local Case Number: H11497-001
Potential Media Affect: Aquifer used for drinking water supply
Potential Contaminants of Concern: Gasoline
Site History: Not reported

LUST:
Global Id: T0607302025
Action Type: ENFORCEMENT
Date: 07/11/2000
Action: Closure/No Further Action Letter

Global Id: T0607302025
Action Type: Other
Date: 11/12/1996
Action: Leak Reported

Global Id: T0607302025
Action Type: Other
Date: 11/12/1996
Action: Leak Began

Global Id: T0607302025
Action Type: Other
Date: 11/12/1996
Action: Leak Discovery

LUST:
Global Id: T0607302025
Status: Open - Case Begin Date
Status Date: 11/12/1996

Global Id: T0607302025
Status: Completed - Case Closed
Status Date: 07/11/2000

SAN DIEGO CO. SAM:
Name: LLOYD PEST CONTROL
Address: 223 S BENT AV
City,State,Zip: SAN MARCOS, CA 920694226
Case Number: H11497-001
Agency: DEH Site Assessment & Mitigation
Funding: **LOP - Federal Fund**
Facility Type: Drinking Water Aquifer Impacted
Facility Status: Closed Case
Date: 7/11/2000
Date Began: 11/12/1996

HMMD SAN DIEGO:
Name: LLOYD PEST CONTROL
Address: 223 S BENT AV
City,State,Zip: SAN MARCOS, CA 92069

LLOYD PEST CONTROL (Continued) **S100728336**

Permit Number:	111497
Business Type:	6HK18
EPA Id Number:	Not reported
APN:	219-270-19-00
Last HMMD Inspection:	09/21/1999
Facility Telephone:	619-744-3030
Permit Status:	INAC
Permit Expiration:	05/31/2001
Date Last Updated:	11/02/2012
Facility Owner:	LLOYD PEST CONTROL CO
Facility Mailing Address:	223 S BENT AV
Facility Mailing City:	SAN MARCOS
Facility Mailing State:	CA
Facility Mailing Zip:	92069-
UST Owner:	LLOYD PEST CONTROL
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Not reported
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

UST:

UST Name:	UNDERGROUND TANK 111497 T001
Last Update:	2012-11-02 14:17:38
Permit Number:	111497
Tank Type:	SINGLE WALL
Additional Id:	SM-1 UNLEADED
Capacity Gallons:	10000
UST Contents:	REGULAR UNLEADED
Other Content Info:	REGULAR UNLEADED
Reg Status:	REMOVED
Remove Close Date:	1996-12-11 00:00:00
Year Installed:	1977-01-01 00:00:00
Pipe Type:	SINGLE WALL
Delivery System:	SUCTION
Monitor Code:	05
UST Monitor Method:	SW TANK DW PIPE W/ POS SHUTOFF-ALARM ON LLD W/ SIRS:SIR ANALY MONTHLY, TANK TEST BIENNIALLY, PIPE TEST ANN 0.1 G/HR OR MO 0.2 G/HR

CORTESE:

Name:	LLOYD PEST CONTROL
Address:	223 S BENT AV
City,State,Zip:	SAN MARCOS, CA 920694226
Region:	CORTESE
Envirostor Id:	Not reported
Global ID:	T0607302025
Site/Facility Type:	LUST CLEANUP SITE
Cleanup Status:	COMPLETED - CASE CLOSED
Status Date:	Not reported
Site Code:	Not reported
Latitude:	Not reported
Longitude:	Not reported
Owner:	Not reported
Enf Type:	Not reported
Swat R:	Not reported

LLOYD PEST CONTROL (Continued) **S100728336**

Flag:	active
Order No:	Not reported
Waste Discharge System No:	Not reported
Effective Date:	Not reported
Region 2:	Not reported
WID Id:	Not reported
Solid Waste Id No:	Not reported
Waste Management Uit Name:	Not reported
File Name:	Active Open

CERS:

Name:	LLOYD PEST CONTROL
Address:	223 S BENT AV
City,State,Zip:	SAN MARCOS, CA 920694226
Site ID:	211077
CERS ID:	T0607302025
CERS Description:	Leaking Underground Storage Tank Cleanup Site

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AB168 **DEWEY PEST CONTROL** **RCRA-SQG** **1000226169**
WNW **1370 GRAND AVENUE** **LUST** **CAD981430937**
1/4-1/2 **SAN MARCOS, CA 92069** **SAN DIEGO CO. SAM**
0.343 mi. **CPS-SLIC**
1811 ft. **Site 2 of 2 in cluster AB** **UST**
San Diego Co. HMMD
Relative: Higher **SWEEPS UST**
FINDS
Actual: 547 ft. **ECHO**
HAZNET
HIST CORTESE
CERS
HWTS

RCRA Listings:

Date Form Received by Agency:		19960901
Handler Name:	DEWEY PEST CONTROL	
Handler Address:		1370 GRAND AVENUE
Handler City,State,Zip:		SAN MARCOS, CA 92069
EPA ID:		CAD981430937
Contact Name:		Not reported
Contact Address:		Not reported
Contact City,State,Zip:		Not reported
Contact Telephone:		Not reported
Contact Fax:		Not reported
Contact Email:		Not reported
Contact Title:		Not reported
EPA Region:		09
Land Type:		Not reported
Federal Waste Generator Description:		Small Quantity Generator
Non-Notifier:		Not reported
Biennial Report Cycle:		Not reported
Accessibility:		Not reported
Active Site Indicator:		Handler Activities
State District Owner:		CA
State District:		4
Mailing Address:		3711 BEVERLY BLVD
Mailing City,State,Zip:		LOS ANGELES, CA 90004
Owner Name:	Not reported	

DEWEY PEST CONTROL (Continued) **1000226169**

Owner Type:		Not reported
Operator Name:	NOT REQUIRED	
Operator Type:		Private
Short-Term Generator Activity:		No
Importer Activity:		No
Mixed Waste Generator:		No
Transporter Activity:		No
Transfer Facility Activity:		No
Recycler Activity with Storage:		No
Small Quantity On-Site Burner Exemption:		No
Smelting Melting and Refining Furnace Exemption:		No
Underground Injection Control:		No
Off-Site Waste Receipt:		No
Universal Waste Indicator:		No
Universal Waste Destination Facility:		No
Federal Universal Waste:		No
Active Site Fed-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site Converter Treatment storage and Disposal Facility:		Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site State-Reg Handler:		---
Federal Facility Indicator:		Not reported
Hazardous Secondary Material Indicator:		NN
Sub-Part K Indicator:		Not reported
Commercial TSD Indicator:		No
Treatment Storage and Disposal Type:		Not reported
2018 GPRA Permit Baseline:		Not on the Baseline
2018 GPRA Renewals Baseline:		Not on the Baseline
Permit Renewals Workload Universe:		Not reported
Permit Workload Universe:		Not reported
Permit Progress Universe:		Not reported
Post-Closure Workload Universe:		Not reported
Closure Workload Universe:		Not reported
202 GPRA Corrective Action Baseline:		No
Corrective Action Workload Universe:		No
Subject to Corrective Action Universe:		No
Non-TSDFs Where RCRA CA has Been Imposed Universe:		No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:		No
TSDFs Only Subject to CA under Discretionary Auth Universe:		No
Corrective Action Priority Ranking:		No NCAPS ranking
Environmental Control Indicator:		No
Institutional Control Indicator:		No
Human Exposure Controls Indicator:		N/A
Groundwater Controls Indicator:		N/A
Operating TSDF Universe:		Not reported
Full Enforcement Universe:		Not reported
Significant Non-Complier Universe:		No
Unaddressed Significant Non-Complier Universe:		No
Addressed Significant Non-Complier Universe:		No
Significant Non-Complier With a Compliance Schedule Universe:		No
Financial Assurance Required:		Not reported
Handler Date of Last Change:		20020627
Recognized Trader-Importer:		No
Recognized Trader-Exporter:		No
Importer of Spent Lead Acid Batteries:		No
Exporter of Spent Lead Acid Batteries:		No
Recycler Activity Without Storage:		Not reported
Manifest Broker:		Not reported

DEWEY PEST CONTROL (Continued) **1000226169**

Sub-Part P Indicator: No

Handler - Owner Operator:
Owner/Operator Indicator: Operator
Owner/Operator Name: NOT REQUIRED
Legal Status: Private
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: NOT REQUIRED
Owner/Operator City,State,Zip: NOT REQUIRED, ME 99999
Owner/Operator Telephone: 415-555-1212
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner
Owner/Operator Name: DEWEY SERVICES INC
Legal Status: Private
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: NOT REQUIRED
Owner/Operator City,State,Zip: NOT REQUIRED, ME 99999
Owner/Operator Telephone: 415-555-1212
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:
Receive Date: 19960901
Handler Name: DEWEY PEST CONTROL
Federal Waste Generator Description: Small Quantity Generator
State District Owner: CA
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 19860730
Handler Name: DEWEY PEST CONTROL
Federal Waste Generator Description: Large Quantity Generator
State District Owner: CA
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

DEWEY PEST CONTROL (Continued) **1000226169**

List of NAICS Codes and Descriptions:
NAICS Code: 56171
NAICS Description: EXTERMINATING AND PEST CONTROL SERVICES

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

LUST REG 9:
Region: 9
Status: Case Closed
Case Number: 9UT301
Local Case: H04345-001
Substance: 0
Qty Leaked: 0
Abate Method: Not reported
Local Agency: San Diego
How Found: Tank Closure
How Stopped: Remove Contents
Source: Tank
Cause: Corrosion
Lead Agency: Local Agency
Case Type: Other ground water affected
Date Found: 04/07/1987
Date Stopped: 04/07/1987
Confirm Date: / /
Submit Workplan: Not reported
Prelim Assess: 08/20/1987
Desc Pollution: Not reported
Remed Plan: / /
Remed Action: Not reported
Began Monitor: Not reported
Release Date: 04/09/1987
Enforce Date: Not reported
Closed Date: 8/26/87
Enforce Type: Not reported
Pilot Program: LOP
Basin Number: 904.52
GW Depth: ~10
Beneficial Use: Municipal groundwater use
NPDES Number: Not reported
Priority: Low priority. Priority ranking can change over time.
File Dispn: File discarded, case closed
Interim Remedial Actions: Yes
Cleanup and Abatement order Number: Not reported
Waste Discharge Requirement Number: Not reported

SAN DIEGO CO. SAM:
Name: DEWEY PEST CONTROL
Address: 1370 GRAND AV
City,State,Zip: SAN MARCOS, CA 920692404
Case Number: H04345-001

DEWEY PEST CONTROL (Continued) **1000226169**

Agency: DEH Site Assessment & Mitigation
Funding: **Private - VAP**
Facility Type: Soils Only
Facility Status: Closed Case
Date: 8/26/1987
Date Began: 4/13/1987

CPS-SLIC:
Name: DEWEY PEST CONTROL
Address: 1370 GRAND AV
City,State,Zip: SAN MARCOS, CA 920692404
Region: STATE
Facility Status: **Completed - Case Closed**
Status Date: 08/26/1987
Global Id: T0607301777
Lead Agency: SAN DIEGO COUNTY LOP
Lead Agency Case Number: H04345-001
Latitude: 33.1436369
Longitude: -117.1931738
Case Type: Cleanup Program Site
Case Worker: Not reported
Local Agency: Not reported
RB Case Number: 9UT301
File Location: Local Agency
Potential Media Affected: Not reported
Potential Contaminants of Concern: Not reported
Site History: Not reported

Click here to access the California GeoTracker records for this facility:

UST:
Name: DEWEY PEST CONTROL
Address: 1370 GRAND AVE
City,State,Zip: SAN MARCOS, CA 92078
Facility ID: H04345
Permitting Agency: SAN DIEGO COUNTY
CERSID: Not reported
Latitude: 33.1451126
Longitude: -117.1922712

HMMD SAN DIEGO:
Name: DEWEY PEST CONTROL
Address: 1370 GRAND AV
City,State,Zip: SAN MARCOS, CA 92069
Permit Number: 104345
Business Type: 6HK69
EPA Id Number: Not reported
APN: 219-130-20-00
Last HMMD Inspection: 08/11/2003
Facility Telephone: 760-744-3170
Permit Status: INAC
Permit Expiration: 06/30/2004
Date Last Updated: 11/02/2012
Facility Owner: Not reported
Facility Mailing Address: 1370 GRAND AV
Facility Mailing City: SAN MARCOS

DEWEY PEST CONTROL (Continued) **1000226169**

Facility Mailing State: CA
Facility Mailing Zip: 92069-2404
UST Owner: DEWEY PEST CONTROL
Handle Regulated Hazmat: Y
Own Or Operate UST: Y
Subject To APSA: Not reported
Generate Haz Waste: Not reported
Treat Haz Waste: Not reported
Generate Medical Waste: Not reported

Violations Inactive Permits:
Permit Number: 104345
Update Date: 11/02/2012
Inspection Date: 08/11/2003
Violation Code: 6HV3103
Violation: NO UST PLAN CHECK PERMIT OBTAINED
Violation Citation: UST repair/modify/closure permit not obtained .68.1004, 68.1005, 68.1009.5
Activity: Inactive Permit

Permit Number: 104345
Update Date: 11/02/2012
Inspection Date: 08/11/2003
Violation Code: 6HV3263
Violation: MONITOR SYSTEM NOT ALL FUNCTIONAL
Violation Citation: Monitoring system components &/or devices are not all functional. 2630, 2641(j), 2632
Activity: Inactive Permit

UST:
UST Name: UNDERGROUND TANK 104345 T001
Last Update: 2012-11-02 14:17:38
Permit Number: 104345
Tank Type: SINGLE WALL
Additional Id: 1
Capacity Gallons: 550
UST Contents: REGULAR UNLEADED
Other Content Info: REGULAR UNLEADED
Reg Status: REMOVED
Remove Close Date: 1987-01-12 00:00:00
Year Installed: Not reported
Pipe Type: Not reported
Delivery System: Not reported
Monitor Code: 90
UST Monitor Method: NO MONITORING ALTERNATIVE SELECTED. VERIFY AND ENTER MONITORING ALTERNATIVE DURING INSPECTION.

UST Name: UNDERGROUND TANK 104345 T002
Last Update: 2012-11-02 14:17:38
Permit Number: 104345
Tank Type: SINGLE WALL
Additional Id: 2
Capacity Gallons: 550
UST Contents: LEADED
Other Content Info: LEADED
Reg Status: REMOVED
Remove Close Date: 1987-01-12 00:00:00

DEWEY PEST CONTROL (Continued) **1000226169**

Year Installed:	Not reported
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	90
UST Monitor Method:	NO MONITORING ALTERNATIVE SELECTED. VERIFY AND ENTER MONITORING ALTERNATIVE DURING INSPECTION.
UST Name:	UNDERGROUND TANK 104345 T003
Last Update:	2012-11-02 14:17:38
Permit Number:	104345
Tank Type:	DOUBLE WALL
Additional Id:	3 UNLEADED/AT4983
Capacity Gallons:	5000
UST Contents:	REGULAR UNLEADED
Other Content Info:	REGULAR UNLEADED
Reg Status:	REMOVED
Remove Close Date:	2004-01-06 00:00:00
Year Installed:	1987-01-01 00:00:00
Pipe Type:	DOUBLE WALL
Delivery System:	SUCTION
Monitor Code:	21
UST Monitor Method:	DW TANK DW SUCTION AND/ OR GRAVITY PIPING WITH INTERSTITIAL MONITORS: INTERSTITIAL.
Name:	NASH FABRICATORS, INC
Address:	1370 GRAND AV
City,State,Zip:	SAN MARCOS, CA 92078
Permit Number:	203988
Business Type:	6HK35
EPA Id Number:	Not reported
APN:	219-130-19-00
Last HMMD Inspection:	02/09/2006
Facility Telephone:	760-761-4749
Permit Status:	INAC
Permit Expiration:	12/31/2007
Date Last Updated:	11/02/2012
Facility Owner:	TIM NASH
Facility Mailing Address:	PO BOX 413
Facility Mailing City:	FALLBROOK
Facility Mailing State:	CA
Facility Mailing Zip:	92088-0413
UST Owner:	Not reported
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Not reported
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported
Name:	NASH FABRICATORS, INC
Address:	1370 GRAND AV
City,State,Zip:	SAN MARCOS, CA 92078
Permit Number:	203988
Business Type:	6HK35
EPA Id Number:	Not reported
APN:	219-130-19-00

DEWEY PEST CONTROL (Continued) **1000226169**

Last HMMD Inspection:	02/09/2006
Facility Telephone:	760-761-4749
Permit Status:	INAC
Permit Expiration:	12/31/2007
Date Last Updated:	11/02/2012
Facility Owner:	TIM NASH
Facility Mailing Address:	PO BOX 413
Facility Mailing City:	FALLBROOK
Facility Mailing State:	CA
Facility Mailing Zip:	92088-0413
UST Owner:	Not reported
Handle Regulated Hazmat:	Y
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Y
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

SWEEPS UST:

Name:	DEWEY PEST CONTROL
Address:	1370 GRAND AVE
City:	SAN MARCOS
Status:	Not reported
Comp Number:	4345
Number:	Not reported
Board Of Equalization:	44-006091
Referral Date:	Not reported
Action Date:	Not reported
Created Date:	Not reported
Owner Tank Id:	Not reported
SWRCB Tank Id:	37-000-004345-000001
Tank Status:	Not reported
Capacity:	550
Active Date:	Not reported
Tank Use:	M.V. FUEL
STG:	PRODUCT
Content:	REG UNLEADED
Number Of Tanks:	2

Name:	DEWEY PEST CONTROL
Address:	1370 GRAND AVE
City:	SAN MARCOS
Status:	Not reported
Comp Number:	4345
Number:	Not reported
Board Of Equalization:	44-006091
Referral Date:	Not reported
Action Date:	Not reported
Created Date:	Not reported
Owner Tank Id:	Not reported
SWRCB Tank Id:	37-000-004345-000002
Tank Status:	Not reported
Capacity:	550
Active Date:	Not reported
Tank Use:	M.V. FUEL
STG:	PRODUCT
Content:	LEADED

DEWEY PEST CONTROL (Continued) **1000226169**

Number Of Tanks: Not reported

Name: DEWEY PEST CONTROL
Address: 1370 GRAND AVE
City: SAN MARCOS
Status: Active
Comp Number: 4345
Number: 9
Board Of Equalization: 44-006091
Referral Date: Not reported
Action Date: 06-26-92
Created Date: 02-29-88
Owner Tank Id: Not reported
SWRCB Tank Id: 37-000-004345-000003
Tank Status: A
Capacity: 5000
Active Date: Not reported
Tank Use: M.V. FUEL
STG: P
Content: REG UNLEADED
Number Of Tanks: 1

FINDS:
Registry ID: 110002702950

Click Here for FRS Facility Detail Report:

Environmental Interest/Information System:
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.
STATE MASTER

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:
Envid: 1000226169
Registry ID: 110002702950
DFR URL: http://echo.epa.gov/detailed-facility-report?fid=110002702950
Name: DEWEY PEST CONTROL
Address: 1370 GRAND AVENUE
City,State,Zip: SAN MARCOS, CA 92069

HAZNET:
Name: DEWEY PEST CONTROL
Address: 1370 GRAND AVENUE
Address 2: Not reported
City,State,Zip: SAN MARCOS, CA 920690000
Contact: CANCEL PER SURVEY 1-27-95 LC
Telephone: --
Mailing Name: Not reported
Mailing Address: 3711 BEVERLY BLVD

DEWEY PEST CONTROL (Continued) **1000226169**

Year:	1997
Gepaid:	CAD981430937
TSD EPA ID:	CAT080013352
CA Waste Code:	223 - Unspecified oil-containing waste
Disposal Method:	R01 - Recycler
Tons:	0.5004
Year:	1993
Gepaid:	CAD981430937
TSD EPA ID:	CAT080011059
CA Waste Code:	-
Disposal Method:	-
Tons:	1.251
Year:	1993
Gepaid:	CAD981430937
TSD EPA ID:	CAT080011059
CA Waste Code:	221 - Waste oil and mixed oil
Disposal Method:	R01 - Recycler
Tons:	0.18
Year:	1993
Gepaid:	CAD981430937
TSD EPA ID:	CAT080011059
CA Waste Code:	331 - Off-specification, aged or surplus organics
Disposal Method:	-
Tons:	0.4
Year:	1993
Gepaid:	CAD981430937
TSD EPA ID:	CAT080011059
CA Waste Code:	223 - Unspecified oil-containing waste
Disposal Method:	-
Tons:	0.175

Additional Info:

Year:	1997
Gen EPA ID:	CAD981430937
Shipment Date:	19970811
Creation Date:	7/23/1998 0:00:00
Receipt Date:	19970815
Manifest ID:	96582235
Trans EPA ID:	CAD982525024
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	Not reported
TSDF Alt EPA ID:	CAT080013352
TSDF Alt Name:	Not reported
Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	D001
Meth Code:	R01 - Recycler
Quantity Tons:	0.5004
Waste Quantity:	120

DEWEY PEST CONTROL (Continued) **1000226169**

Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	1993
Gen EPA ID:	CAD981430937
Shipment Date:	19930816
Creation Date:	9/12/1995 0:00:00
Receipt Date:	19930816
Manifest ID:	92765648
Trans EPA ID:	CAT080011059
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080011059
Trans Name:	Not reported
TSDF Alt EPA ID:	CAT080011059
TSDF Alt Name:	Not reported
Waste Code Description:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Meth Code:	R01 - Recycler
Quantity Tons:	0.18
Waste Quantity:	360
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19930816
Creation Date:	9/12/1995 0:00:00
Receipt Date:	19930816
Manifest ID:	92765648
Trans EPA ID:	CAT080011059
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080011059
Trans Name:	Not reported
TSDF Alt EPA ID:	CAT080011059
TSDF Alt Name:	Not reported
Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported
Meth Code:	- Not reported
Quantity Tons:	0.175
Waste Quantity:	350
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported

DEWEY PEST CONTROL (Continued) **1000226169**

Additional Code 5:	Not reported
Shipment Date:	19930816
Creation Date:	9/12/1995 0:00:00
Receipt Date:	19930816
Manifest ID:	92765648
Trans EPA ID:	CAT080011059
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080011059
Trans Name:	Not reported
TSDF Alt EPA ID:	CAT080011059
TSDF Alt Name:	Not reported
Waste Code Description:	- Not reported
RCRA Code:	F001
Meth Code:	- Not reported
Quantity Tons:	1.251
Waste Quantity:	300
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19930816
Creation Date:	9/12/1995 0:00:00
Receipt Date:	19930816
Manifest ID:	92765648
Trans EPA ID:	CAT080011059
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080011059
Trans Name:	Not reported
TSDF Alt EPA ID:	CAT080011059
TSDF Alt Name:	Not reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	Not reported
Meth Code:	- Not reported
Quantity Tons:	0.4
Waste Quantity:	800
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

HIST CORTESE:

edr_fname:	DEWEY PEST CONTROL
edr_fadd1:	1370 GRAND
City,State,Zip:	SAN MARCOS, CA 92069
Region:	CORTESE
Facility County Code:	37
Reg By:	LTNKA

DEWEY PEST CONTROL (Continued) **1000226169**

Reg Id: 9UT301

CERS:
Name: DEWEY PEST CONTROL
Address: 1370 GRAND AV
City,State,Zip: SAN MARCOS, CA 920692404
Site ID: 207449
CERS ID: T0607301777
CERS Description: Cleanup Program Site

Name: WESTLAKE ROYAL STONE LLC
Address: 1370 GRAND AVE
City,State,Zip: SAN MARCOS, CA 92078
Site ID: 599853
CERS ID: 900351
CERS Description: Industrial Facility Storm Water

Affiliation:
Affiliation Type Desc: Owner/Operator
Entity Name: Westlake Royal Stone LLC
Entity Title: Operator
Affiliation Address: 1370 Grand AveBuilding B
Affiliation City: San Marcos
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 92078
Affiliation Phone: ,

HWTS:
Name: DEWEY PEST CONTROL
Address: 1370 GRAND AVENUE
Address 2: Not reported
City,State,Zip: SAN MARCOS, CA 92069
EPA ID: CAD981430937
Inactive Date: 01/01/1995
Create Date: 04/10/1987
Last Act Date: Not reported
Mailing Name: Not reported
Mailing Address: 3711 BEVERLY BLVD
Mailing Address 2: Not reported
Mailing City,State,Zip: LOS ANGELES, CA 900040000
Owner Name: Not reported
Owner Address: Not reported
Owner Address 2: Not reported
Owner City,State,Zip: Not reported
Contact Name: CANCEL PER SURVEY 1-27-95 LC
Contact Address: Not reported
Contact Address 2: Not reported
City,State,Zip: Not reported
Facility Status: Inactive
Facility Type: PERMANENT
Category: FEDERAL
Latitude: 33.143587
Longitude: -117.193205

AD169 **COCA COLA ENTERPISES** **CPS-SLIC** **S106716295**
NNW **NONE LAS POSAS/ARMORLITE** **CERS** **N/A**
1/4-1/2 **SAN MARCOS, CA 92069**
0.345 mi.
1823 ft. **Site 1 of 3 in cluster AD**

Relative: **Higher**
Actual: **560 ft.**

CPS-SLIC:

Name:	COCA COLA ENTERPISES
Address:	NONE LAS POSAS/ARMORLITE
City,State,Zip:	SAN MARCOS, CA 92069
Region:	STATE
Facility Status:	**Completed - Case Closed**
Status Date:	07/31/1997
Global Id:	T0608184290
Lead Agency:	SAN DIEGO COUNTY LOP
Lead Agency Case Number:	H36816-001
Latitude:	33.1462615771038
Longitude:	-117.18950788548
Case Type:	Cleanup Program Site
Case Worker:	Not reported
Local Agency:	Not reported
RB Case Number:	Not reported
File Location:	Local Agency
Potential Media Affected:	Aquifer used for drinking water supply
Potential Contaminants of Concern:	* Chlorinated Hydrocarbons
Site History:	Not reported

Click here to access the California GeoTracker records for this facility:

CERS:

Name:	COCA COLA ENTERPISES
Address:	NONE LAS POSAS/ARMORLITE
City,State,Zip:	SAN MARCOS, CA 92069
Site ID:	232487
CERS ID:	T0608184290
CERS Description:	Cleanup Program Site

AC170 **LLOYD PEST CONTROL** **LUST** **S104406477**
SE **223 BENT** **HIST CORTESE** **N/A**
1/4-1/2 **SAN MARCOS, CA 92069**
0.346 mi.
1829 ft. **Site 2 of 2 in cluster AC**

Relative: **Lower**
Actual: **543 ft.**

LUST REG 9:

Region:	9
Status:	Case Closed
Case Number:	9UT3270
Local Case:	H11497-001
Substance:	Unleaded Gasoline
Qty Leaked:	0
Abate Method:	Pump and Treat Ground Water - generally employed to remove dissolved contaminants
Local Agency:	San Diego
How Found:	Tank Closure
How Stopped:	Close Tank
Source:	Tank
Cause:	Unknown
Lead Agency:	Local Agency
Case Type:	Aquifer affected

LLOYD PEST CONTROL (Continued) **S104406477**

Date Found: 11/12/1996
Date Stopped: / /
Confirm Date: / /
Submit Workplan: Not reported
Prelim Assess: 11/12/1996
Desc Pollution: Not reported
Remed Plan: / /
Remed Action: Not reported
Began Monitor: Not reported
Release Date: 11/12/1996
Enforce Date: Not reported
Closed Date: 7/11/00
Enforce Type: Not reported
Pilot Program: LOP
Basin Number: 904.52
GW Depth: 7.35
Beneficial Use: MUNBU
NPDES Number: Not reported
Priority: High priority
File Dispn: Administratively opened on database, however no file physically exists
Interim Remedial Actions: Not reported
Cleanup and Abatement order Number: Not reported
Waste Discharge Requirement Number: Not reported

HIST CORTESE:
edr_fname: LLOYD PEST CONTROL
edr_fadd1: 223 BENT
City,State,Zip: SAN MARCOS, CA 92069
Region: CORTESE
Facility County Code: 37
Reg By: LTNKA
Reg Id: 9UT3270

171
NNE
1/4-1/2
0.354 mi.
1868 ft.

Relative:
Higher

Actual:
560 ft.

JAKE STAGG
935 BAILEY CT.
SAN MARCOS, CA 92054

RCRA-SQG **1000258796**
SAN DIEGO CO. SAM **CAD982488181**
CPS-SLIC
San Diego Co. HMMD
FINDS
ECHO
CERS

RCRA Listings:
Date Form Received by Agency: 19960901
Handler Name: PATIO GUYS INC
Handler Address: 935 BAILEY CT STE D
Handler City,State,Zip: SAN MARCOS, CA 92069
EPA ID: CAD982488181
Contact Name: Not reported
Contact Address: Not reported
Contact City,State,Zip: Not reported
Contact Telephone: Not reported
Contact Fax: Not reported
Contact Email: Not reported
Contact Title: Not reported
EPA Region: 09
Land Type: Not reported
Federal Waste Generator Description: Small Quantity Generator

JAKE STAGG (Continued) **1000258796**

Non-Notifier:		Not reported
Biennial Report Cycle:		Not reported
Accessibility:		Not reported
Active Site Indicator:		Handler Activities
State District Owner:		CA
State District:		4
Mailing Address:		810 G LOS VALLECITOS
Mailing City,State,Zip:		SAN MARCOS, CA 92069
Owner Name:	Not reported	
Owner Type:		Not reported
Operator Name:	NOT REQUIRED	
Operator Type:		Private
Short-Term Generator Activity:		No
Importer Activity:		No
Mixed Waste Generator:		No
Transporter Activity:		No
Transfer Facility Activity:		No
Recycler Activity with Storage:		No
Small Quantity On-Site Burner Exemption:		No
Smelting Melting and Refining Furnace Exemption:		No
Underground Injection Control:		No
Off-Site Waste Receipt:		No
Universal Waste Indicator:		No
Universal Waste Destination Facility:		No
Federal Universal Waste:		No
Active Site Fed-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site Converter Treatment storage and Disposal Facility:		Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site State-Reg Handler:		---
Federal Facility Indicator:		Not reported
Hazardous Secondary Material Indicator:		NN
Sub-Part K Indicator:		Not reported
Commercial TSD Indicator:		No
Treatment Storage and Disposal Type:		Not reported
2018 GPRA Permit Baseline:		Not on the Baseline
2018 GPRA Renewals Baseline:		Not on the Baseline
Permit Renewals Workload Universe:		Not reported
Permit Workload Universe:		Not reported
Permit Progress Universe:		Not reported
Post-Closure Workload Universe:		Not reported
Closure Workload Universe:		Not reported
202 GPRA Corrective Action Baseline:		No
Corrective Action Workload Universe:		No
Subject to Corrective Action Universe:		No
Non-TSDFs Where RCRA CA has Been Imposed Universe:		No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:		No
TSDFs Only Subject to CA under Discretionary Auth Universe:		No
Corrective Action Priority Ranking:		No NCAPS ranking
Environmental Control Indicator:		No
Institutional Control Indicator:		No
Human Exposure Controls Indicator:		N/A
Groundwater Controls Indicator:		N/A
Operating TSDF Universe:		Not reported
Full Enforcement Universe:		Not reported
Significant Non-Complier Universe:		No
Unaddressed Significant Non-Complier Universe:		No
Addressed Significant Non-Complier Universe:		No

JAKE STAGG (Continued) **1000258796**

Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20020627
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	Not reported
Manifest Broker:	Not reported
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name: JAMES MONTEMARANO	
Legal Status:	Private
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	NOT REQUIRED
Owner/Operator City,State,Zip:	NOT REQUIRED, ME 99999
Owner/Operator Telephone:	415-555-1212
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name: NOT REQUIRED	
Legal Status:	Private
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	NOT REQUIRED
Owner/Operator City,State,Zip:	NOT REQUIRED, ME 99999
Owner/Operator Telephone:	415-555-1212
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	19960901
Handler Name: PATIO GUYS INC	
Federal Waste Generator Description:	Small Quantity Generator
State District Owner:	CA
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

Receive Date:	19900420
Handler Name: PATIO GUYS INC	
Federal Waste Generator Description:	Large Quantity Generator
State District Owner:	CA
Large Quantity Handler of Universal Waste:	No

JAKE STAGG (Continued) **1000258796**

Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	No
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

List of NAICS Codes and Descriptions:

NAICS Code:	81142
NAICS Description:	REUPHOLSTERY AND FURNITURE REPAIR

Facility Has Received Notices of Violations:

Violations:	No Violations Found

Evaluation Action Summary:

Evaluations:	No Evaluations Found

SAN DIEGO CO. SAM:

Name:	PATIO GUYS INC
Address:	935 BAILEY CT
City,State,Zip:	SAN MARCOS, CA 920691417
Case Number:	H06559-001
Agency:	DEH Site Assessment & Mitigation
Funding:	**Private - VAP**
Facility Type:	Soils Only
Facility Status:	Closed Case
Date:	2/15/1991
Date Began:	1/11/1990

CPS-SLIC:

Name:	PATIO GUYS INC
Address:	935 BAILEY CT
City,State,Zip:	SAN MARCOS, CA 920691417
Region:	STATE
Facility Status:	**Completed - Case Closed**
Status Date:	02/15/1991
Global Id:	T0608199583
Lead Agency:	SAN DIEGO COUNTY LOP
Lead Agency Case Number:	H06559-001
Latitude:	33.1451319
Longitude:	-117.182774
Case Type:	Cleanup Program Site
Case Worker:	Not reported
Local Agency:	Not reported
RB Case Number:	Not reported
File Location:	Local Agency
Potential Media Affected:	Not reported
Potential Contaminants of Concern:	Not reported
Site History:	Not reported

Click here to access the California GeoTracker records for this facility:

JAKE STAGG (Continued) **1000258796**

HMMD SAN DIEGO:

Name:	AMERICAN LITHIUM ENERGY
Address:	935 BAILEY CT
City,State,Zip:	SAN MARCOS, CA 92069
Permit Number:	208578
Business Type:	6HK50
EPA Id Number:	CAL000321697
APN:	219-171-11-00
Last HMMD Inspection:	06/15/2012
Facility Telephone:	760-591-0611
Permit Status:	OPEN
Permit Expiration:	01/31/2013
Date Last Updated:	11/02/2012
Facility Owner:	AMERICAN LITHIUM ENERGY
Facility Mailing Address:	935 BAILEY CT #106
Facility Mailing City:	San Marcos
Facility Mailing State:	CA
Facility Mailing Zip:	92069
UST Owner:	Not reported
Handle Regulated Hazmat:	Y
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Y
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

Inventory Active Permits (not SQG Medical):

Permit Number:	208578
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 171 METAL SLUDGE
Other Information:	NICKET COBALT MONGONESE
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Permit Number:	208578
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 181 INORGANIC SOLID WASTE (OTHER)
Other Information:	GRAPHITE / COPPER
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Permit Number:	208578
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 213 HYDROCARBON SOLVENTS
Other Information:	ORGANIC SOLVENT
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Violations Active Permits:

Permit Number:	208578
Update Date:	11/02/2012

JAKE STAGG (Continued) **1000258796**

Inspection Date:	06/15/2012
Violation Code:	6HV1015
Violation:	EMPLOYEE TRAINING NOT ADEQUATE
Violation Citation:	Did not have adequate employee training program 2732 &/or 25504(c)
Activity:	ACTIVE
Permit Number:	208578
Update Date:	11/02/2012
Inspection Date:	06/15/2012
Violation Code:	6HV0407
Violation:	EMPLOYEE TRAINING NOT ADEQUATE
Violation Citation:	Employee training program for small quantity generator of hazardous waste is inadequate. CFR 262.34(d)(5)(iii)
Activity:	ACTIVE
Name:	PATIO GUYS INC
Address:	935 BAILEY CT
City,State,Zip:	SAN MARCOS, CA 92069
Permit Number:	106559
Business Type:	Not reported
EPA Id Number:	CAD982488181
APN:	219-171-11-00
Last HMMD Inspection:	02/14/1991
Facility Telephone:	619-471-0850
Permit Status:	INAC
Permit Expiration:	02/14/1991
Date Last Updated:	11/02/2012
Facility Owner:	STEVE COULTER/NICK MONTEMARANO
Facility Mailing Address:	810-G LOS VALLECITOS
Facility Mailing City:	SAN MARCOS
Facility Mailing State:	CA
Facility Mailing Zip:	92069-1448
UST Owner:	Not reported
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Y
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

FINDS:
Registry ID: 110070908892

Click Here for FRS Facility Detail Report:

Environmental Interest/Information System:
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.
Registry ID: 110009546553

Click Here for FRS Facility Detail Report:

JAKE STAGG (Continued) **1000258796**

Environmental Interest/Information System:
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.
STATE MASTER

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:

Envid:	1000258796
Registry ID:	110009546553
DFR URL:	http://echo.epa.gov/detailed-facility-report?fid=110009546553
Name:	PATIO GUYS INC
Address:	935 BAILEY CT STE D
City,State,Zip:	SAN MARCOS, CA 92069

CERS:

Name:	PATIO GUYS INC
Address:	935 BAILEY CT
City,State,Zip:	SAN MARCOS, CA 920691417
Site ID:	256854
CERS ID:	T0608199583
CERS Description:	Cleanup Program Site

AD172 **VACANT LOT** **SAN DIEGO CO. SAM** **S104750821**
NNW **199 LAS POSAS RD** **San Diego Co. HMMD** **N/A**
1/4-1/2 **SAN MARCOS, CA 92069**
0.360 mi.
1899 ft. **Site 2 of 3 in cluster AD**

Relative:
Higher

Actual:
560 ft.

SAN DIEGO CO. SAM:

Name:	VACANT LOT
Address:	199 LAS POSAS RD
City,State,Zip:	SAN MARCOS, CA 920691419
Case Number:	H25926-001
Agency:	CA Regional Water Quality Control Board
Funding:	**Private - VAP**
Facility Type:	Drinking Water Aquifer Impacted
Facility Status:	Closed Case
Date:	7/31/1997
Date Began:	Not reported

HMMD SAN DIEGO:

Name:	VACANT LOT
Address:	199 LAS POSAS RD
City,State,Zip:	SAN MARCOS, CA 92069
Permit Number:	125926
Business Type:	Not reported
EPA Id Number:	Not reported
APN:	219-151-02-00
Last HMMD Inspection:	Not reported
Facility Telephone:	Not reported
Permit Status:	INAC

VACANT LOT (Continued) **S104750821**

Permit Expiration:	Not reported
Date Last Updated:	11/02/2012
Facility Owner:	COCA COLA CO OF LOS ANGELES
Facility Mailing Address:	1334 S CENTRAL AV
Facility Mailing City:	LOS ANGELES
Facility Mailing State:	CA
Facility Mailing Zip:	90021-2210
UST Owner:	Not reported
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Not reported
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

AE173 **670 SAN MARCOS BLVD.** **ENVIROSTOR** **S106893826**
ESE **670 SAN MARCOS BLVD.** **N/A**
1/4-1/2 **SAN MARCOS, CA 92069**
0.373 mi.
1969 ft. **Site 1 of 5 in cluster AE**

Relative:
Higher

Actual:
554 ft.

ENVIROSTOR:

Name:	670 SAN MARCOS BLVD.
Address:	670 SAN MARCOS BLVD.
City,State,Zip:	SAN MARCOS, CA 92069
Facility ID:	37000068
Status:	Refer: 1248 Local Agency
Status Date:	08/24/2000
Site Code:	Not reported
Site Type:	Evaluation
Site Type Detailed:	Evaluation
Acres:	0
NPL:	NO
Regulatory Agencies:	SAN DIEGO COUNTY
Lead Agency:	SAN DIEGO COUNTY
Program Manager:	Not reported
Supervisor:	Referred - Not Assigned
Division Branch:	Cleanup Cypress
Assembly:	75
Senate:	38
Special Program:	Not reported
Restricted Use:	NO
Site Mgmt Req:	NONE SPECIFIED
Funding:	Not Applicable
Latitude:	33.13782
Longitude:	-117.1781
APN:	2191806800
Past Use:	NONE SPECIFIED
Potential COC:	NONE SPECIFIED
Confirmed COC:	NONE SPECIFIED
Potential Description:	NONE SPECIFIED
Alias Name:	2191806800
Alias Type:	APN
Alias Name:	37000068
Alias Type:	Envirostor ID Number

Completed Info:

Completed Area Name:	PROJECT WIDE

670 SAN MARCOS BLVD. (Continued) **S106893826**

Completed Sub Area Name: Not reported
Completed Document Type: SB 1248 Notification
Completed Date: 08/22/2000
Comments: SB 1248 San Diego County

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

AE174 **ABANDONED GASOLINE STATION** **LUST** **S106875187**
ESE **670 W SAN MARCOS BL** **SAN DIEGO CO. SAM** **N/A**
1/4-1/2 **SAN MARCOS, CA 92069** **CPS-SLIC**
0.373 mi. **San Diego Co. HMMD**
1969 ft. **Site 2 of 5 in cluster AE** **Cortese**
CERS

Relative:
Higher

Actual:
554 ft.

LUST:
Name: ABANDONED GASOLINE STATION
Address: 670 W SAN MARCOS BL
City,State,Zip: SAN MARCOS, CA 920694220
Lead Agency: SAN DIEGO COUNTY LOP
Case Type: LUST Cleanup Site
Geo Track: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0607399256
Global Id: T0607399256
Latitude: 33.137582
Longitude: -117.178025
Status: Completed - Case Closed
Status Date: 03/14/2002
Case Worker: Not reported
RB Case Number: 9UT4084
Local Agency: Not reported
File Location: Local Agency
Local Case Number: H20796-001
Potential Media Affect: Aquifer used for drinking water supply
Potential Contaminants of Concern: Waste Oil / Motor / Hydraulic / Lubricating
Site History: Not reported

LUST:
Global Id: T0607399256
Action Type: ENFORCEMENT
Date: 09/06/2000
Action: Notice of Responsibility

Global Id: T0607399256
Action Type: Other
Date: 10/11/1990
Action: Leak Began

Global Id: T0607399256
Action Type: Other
Date: 10/11/1990
Action: Leak Reported

ABANDONED GASOLINE STATION (Continued) **S106875187**

Global Id: T0607399256
Action Type: Other
Date: 10/11/1990
Action: Leak Stopped

Global Id: T0607399256
Action Type: ENFORCEMENT
Date: 03/14/2002
Action: Closure/No Further Action Letter

Global Id: T0607399256
Action Type: Other
Date: 10/11/1990
Action: Leak Discovery

LUST:
Global Id: T0607399256
Status: Open - Case Begin Date
Status Date: 10/11/1990

Global Id: T0607399256
Status: Completed - Case Closed
Status Date: 03/14/2002

SAN DIEGO CO. SAM:
Name: ABANDONED GASOLINE STATION
Address: 670 W SAN MARCOS BL
City,State,Zip: SAN MARCOS, CA 920694220
Case Number: H20796-001
Agency: DEH Site Assessment & Mitigation
Funding: **LOP - Federal Fund**
Facility Type: Drinking Water Aquifer Impacted
Facility Status: Closed Case
Date: 3/14/2002
Date Began: 10/11/1990

Name: ABANDONED GASOLINE STATION
Address: 670 W SAN MARCOS BL
City,State,Zip: SAN MARCOS, CA 92069
Case Number: H20796-002
Agency: DEH Site Assessment & Mitigation
Funding: **Private - VAP**
Facility Type: Soils Only
Facility Status: Closed Case
Date: 11/21/2005
Date Began: Not reported

CPS-SLIC:
Name: ABANDONED GASOLINE STATION
Address: 670 W SAN MARCOS BL
City,State,Zip: SAN MARCOS, CA 92069
Region: STATE
Facility Status: **Completed - Case Closed**
Status Date: 11/21/2005
Global Id: T06019756054

ABANDONED GASOLINE STATION (Continued) **S106875187**

Lead Agency:	SAN DIEGO COUNTY LOP
Lead Agency Case Number:	H20796-002
Latitude:	33.137845
Longitude:	-117.178108
Case Type:	Cleanup Program Site
Case Worker:	NS
Local Agency:	SAN DIEGO COUNTY LOP
RB Case Number:	Not reported
File Location:	Local Agency
Potential Media Affected:	Soil
Potential Contaminants of Concern:	Diesel
Site History:	Not reported

Click here to access the California GeoTracker records for this facility:

HMMD SAN DIEGO:

Name:	ABANDONED GASOLINE STATION
Address:	670 W SAN MARCOS BL
City,State,Zip:	SAN MARCOS, CA 92069
Permit Number:	120796
Business Type:	Not reported
EPA Id Number:	Not reported
APN:	219-180-68-00
Last HMMD Inspection:	Not reported
Facility Telephone:	619-744-0136
Permit Status:	INAC
Permit Expiration:	Not reported
Date Last Updated:	11/02/2012
Facility Owner:	GERALD ERCK
Facility Mailing Address:	500 W VISTA WY
Facility Mailing City:	VISTA
Facility Mailing State:	CA
Facility Mailing Zip:	92083-5704
UST Owner:	GERALD ERCK
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Not reported
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

UST:

UST Name:	UNDERGROUND TANK 120796 T001
Last Update:	2012-11-02 14:17:38
Permit Number:	120796
Tank Type:	UNKNOWN
Additional Id:	1
Capacity Gallons:	500
UST Contents:	Not reported
Other Content Info:	SEE FILE FOR CONTENTS
Reg Status:	REMOVED
Remove Close Date:	1987-01-12 00:00:00
Year Installed:	Not reported
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	90
UST Monitor Method:	NO MONITORING ALTERNATIVE SELECTED. VERIFY AND ENTER MONITORING

ABANDONED GASOLINE STATION (Continued) **S106875187**

ALTERNATIVE DURING INSPECTION.

CORTESE:

Name:	ABANDONED GASOLINE STATION
Address:	670 W SAN MARCOS BL
City,State,Zip:	SAN MARCOS, CA 920694220
Region:	CORTESE
Envirostor Id:	Not reported
Global ID:	T0607399256
Site/Facility Type:	LUST CLEANUP SITE
Cleanup Status:	COMPLETED - CASE CLOSED
Status Date:	Not reported
Site Code:	Not reported
Latitude:	Not reported
Longitude:	Not reported
Owner:	Not reported
Enf Type:	Not reported
Swat R:	Not reported
Flag:	active
Order No:	Not reported
Waste Discharge System No:	Not reported
Effective Date:	Not reported
Region 2:	Not reported
WID Id:	Not reported
Solid Waste Id No:	Not reported
Waste Management Uit Name:	Not reported
File Name:	Active Open

CERS:

Name:	ABANDONED GASOLINE STATION
Address:	670 W SAN MARCOS BL
City,State,Zip:	SAN MARCOS, CA 920694220
Site ID:	248775
CERS ID:	T0607399256
CERS Description:	Leaking Underground Storage Tank Cleanup Site

Name:	ABANDONED GASOLINE STATION
Address:	670 W SAN MARCOS BL
City,State,Zip:	SAN MARCOS, CA 92069
Site ID:	217540
CERS ID:	T06019756054
CERS Description:	Cleanup Program Site

Affiliation:

Affiliation Type Desc:	Local Agency Caseworker
Entity Name:	NASSER SIONIT - SAN DIEGO COUNTY LOP
Entity Title:	Not reported
Affiliation Address:	P.O. Box 129261
Affiliation City:	San Diego
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,

AD175 **COCA COLA ENTERPISES** **SAN DIEGO CO. SAM** **S109277043**
NNW **LAS POSAS/ARMORLITE** **N/A**
1/4-1/2 **SAN MARCOS, CA 92069**
0.381 mi.
2012 ft. **Site 3 of 3 in cluster AD**

Relative:
Higher

Actual:
560 ft.

SAN DIEGO CO. SAM:

Name:	COCA COLA ENTERPISES
Address:	LAS POSAS/ARMORLITE
City,State,Zip:	SAN MARCOS, CA 92069
Case Number:	H36816-001
Agency:	DEH Site Assessment & Mitigation
Funding:	**Private - VAP**
Facility Type:	Drinking Water Aquifer Impacted
Facility Status:	Closed Case
Date:	7/31/1997
Date Began:	Not reported

AF176 **SHELL** **SAN DIEGO CO. SAM** **S108540446**
ESE **679 SAN MARCOS BLVD** **Cortese** **N/A**
1/4-1/2 **SAN MARCOS, CA 92069** **CERS**
0.393 mi.
2073 ft. **Site 1 of 2 in cluster AF**

Relative:
Higher

Actual:
550 ft.

SAN DIEGO CO. SAM:

Name:	SHELL
Address:	679 SAN MARCOS BLVD
City,State,Zip:	SAN MARCOS, CA 92069
Case Number:	H32284-002
Agency:	DEH Site Assessment & Mitigation
Funding:	**LOP - State Fund**
Facility Type:	Soils Only
Facility Status:	Preliminary Assessment
Date:	6/13/2007
Date Began:	4/10/2007

CORTESE:

Name:	SHELL
Address:	679 SAN MARCOS BLVD
City,State,Zip:	SAN MARCOS, CA 92069
Region:	CORTESE
Envirostor Id:	Not reported
Global ID:	T0619738267
Site/Facility Type:	LUST CLEANUP SITE
Cleanup Status:	COMPLETED - CASE CLOSED
Status Date:	Not reported
Site Code:	Not reported
Latitude:	Not reported
Longitude:	Not reported
Owner:	Not reported
Enf Type:	Not reported
Swat R:	Not reported
Flag:	active
Order No:	Not reported
Waste Discharge System No:	Not reported
Effective Date:	Not reported
Region 2:	Not reported
WID Id:	Not reported
Solid Waste Id No:	Not reported

SHELL (Continued) **S108540446**

Waste Management Uit Name: Not reported
File Name: Active Open

CERS:
Name: SHELL
Address: 679 SAN MARCOS BLVD
City,State,Zip: SAN MARCOS, CA 92069
Site ID: 230342
CERS ID: T0619738267
CERS Description: Leaking Underground Storage Tank Cleanup Site

Affiliation:
Affiliation Type Desc: Local Agency Caseworker
Entity Name: EWAN MOFFAT - SAN DIEGO COUNTY LOP
Entity Title: Not reported
Affiliation Address: P.O. Box 129261
Affiliation City: San Diego
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

AF177 **SHELL** **LUST** **S106875511**
ESE **679 SAN MARCOS BL** **SAN DIEGO CO. SAM** **N/A**
1/4-1/2 **SAN MARCOS, CA 92069** **CERS HAZ WASTE**
0.393 mi. **CERS TANKS**
2073 ft. **Site 2 of 2 in cluster AF** **Cortese**
CERS

Relative:
Higher

Actual:
550 ft.

LUST:
Name: SHELL
Address: 679 SAN MARCOS BL
City,State,Zip: SAN MARCOS, CA 92069
Lead Agency: SAN DIEGO COUNTY LOP
Case Type: LUST Cleanup Site
Geo Track: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T06019781381
Global Id: T06019781381
Latitude: 33.136894
Longitude: -117.178449
Status: Completed - Case Closed
Status Date: 12/07/2005
Case Worker: JS
RB Case Number: Not reported
Local Agency: SAN DIEGO COUNTY LOP
File Location: Local Agency
Local Case Number: H32284-001
Potential Media Affect: Aquifer used for drinking water supply
Potential Contaminants of Concern: Gasoline
Site History: Not reported

LUST:
Global Id: T06019781381
Contact Type: Local Agency Caseworker
Contact Name: JON SENAHA
Organization Name: SAN DIEGO COUNTY LOP
Address: P.O. Box 129261
City: San Diego

SHELL (Continued) **S106875511**

Email: jon.senaha@sdcounty.ca.gov
Phone Number: Not reported

LUST:
Global Id: T06019781381
Action Type: ENFORCEMENT
Date: 12/15/2005
Action: Closure/No Further Action Letter

Global Id: T06019781381
Action Type: Other
Date: 09/09/2003
Action: Leak Discovery

Global Id: T06019781381
Action Type: ENFORCEMENT
Date: 01/05/2004
Action: Notice of Responsibility

Global Id: T06019781381
Action Type: Other
Date: 09/09/2003
Action: Leak Began

Global Id: T06019781381
Action Type: Other
Date: 12/05/2003
Action: Leak Reported

Global Id: T06019781381
Action Type: Other
Date: 12/23/2003
Action: Leak Stopped

LUST:
Global Id: T06019781381
Status: Open - Case Begin Date
Status Date: 09/09/2003

Global Id: T06019781381
Status: Completed - Case Closed
Status Date: 12/07/2005

Name: SHELL
Address: 679 SAN MARCOS BLVD
City,State,Zip: SAN MARCOS, CA 92069
Lead Agency: SAN DIEGO COUNTY LOP
Case Type: LUST Cleanup Site
Geo Track: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0619738267
Global Id: T0619738267
Latitude: 33.136894
Longitude: -117.178449
Status: Completed - Case Closed
Status Date: 09/29/2017
Case Worker: EM

SHELL (Continued) **S106875511**

RB Case Number:	Not reported
Local Agency:	SAN DIEGO COUNTY LOP
File Location:	Local Agency
Local Case Number:	H32284-002
Potential Media Affect:	Other Groundwater (uses other than drinking water), Soil
Potential Contaminants of Concern:	Gasoline
Site History:	This site is currently an active gas station. Former case H32284-001 was opened in May 2004 due to a dispenser soil sample revealing 380 mg/kg of gasoline. A monitoring well was installed in the area of the dispenser sample which revealed concentrations of contaminants below Maximum Contaminant Levels (MCLs) for the last two quarters of groundwater sampling. The case was closed in December 2005. This case (H32284-002) was opened in April 2007 due to elevated hydrocarbons noted in a soil and groundwater samples from soil borings during a Phase II investigation. From 2008 to 2016, 7 groundwater monitoring wells were installed. This includes a deep well (MW-7) that was installed to evaluate potential vertical migration of dissolved contaminants as a result from pumping of the supply well located approximately 1,000 south of the site. Groundwater flow beneath the site is towards the southwest. Groundwater beneath the site is approximately 13 - 23 feet below grade surface (bgs). Figures 5 & 7 provide a groundwater contour map and the results from the most recent sampling event. On May 2017, a Request for Site Closure (RSC) was submitted for case closure (natural attenuation) based on the Low Threat Closure Policy (LTCP). The RSC was approved by DEH. The 60-day comment period began and ended from June 1 to August 1, 2017. No comments were received. The consultant proposed natural attenuation because: The plume is stable and shrinking. No Liquid Phase Hydrocarbons (LPH) has been detected on the groundwater There is one supply well within 1,000 feet of the site. It is a private irrigation well located 987 feet south (downgradient) of the site. As a result, deep MW-7 was installed to determine potential vertical migration of dissolved contaminants from this site to that well. Based on the low levels of contaminants detected in MW-7 during three quarterly sampling events, there is no vertical migration of contaminants. All other supply wells are over \\% mile from the site. Utilities are up to 12 feet deep (sewer line). Based on the range of groundwater depths (13.8 17.47 feet bgs for downgradient MW-4 & MW-7)), utilities would not serve as conduits for dissolved contaminants in groundwater. There are no health risks based on the lack of benzene in groundwater. Moreover, the site is currently an active gas station. Benzene in groundwater is currently below its MCL of 1 ug/l. Based on a degradation analyses, it is estimated that MtBE in groundwater will degrade to the Maximum Contaminant Level (MCL) of13 ug/l by 2057. Even though MtBE in MW-6 is slightly increasing, MW-6 is located hydraulically up-gradient of the site and down-gradient of the former Chevron (H13262-002) which could be providing a limited contribution of MtBE, per the consultant. No soil remains on site with over 100 mg/kg TPH from this release. Approximately 5 cubic yards soil 100 mg/kg TPH was noted to remain on site from the previous release (H32284-001). This would be of in the area of D5 (mid dispenser nearest building) at from 2.5 to 5 bgs. This soil is located in the area of the tanks and west of the dispensers from 2.5 10 bgs per Figure 3 of the January 2005 Site Conceptual Model (Former release H32284-001) DEH concurs with the consultants conclusions and approves case closure. Permit # DEH2015-LMWP-003027 was issued by DEH for destruction of the 7 wells associated with the site.

SHELL (Continued) **S106875511**

LUST:
Global Id: T0619738267
Contact Type: Local Agency Caseworker
Contact Name: EWAN MOFFAT
Organization Name: SAN DIEGO COUNTY LOP
Address: P.O. Box 129261
City: San Diego
Email: ewan.moffat@sdcounty.ca.gov
Phone Number: Not reported

LUST:
Global Id: T0619738267
Action Type: ENFORCEMENT
Date: 03/23/2010
Action: Technical Correspondence / Assistance / Other

Global Id: T0619738267
Action Type: ENFORCEMENT
Date: 06/01/2017
Action: Technical Correspondence / Assistance / Other

Global Id: T0619738267
Action Type: Other
Date: 04/10/2007
Action: Leak Began

Global Id: T0619738267
Action Type: RESPONSE
Date: 01/29/2013
Action: Monitoring Report - Semi-Annually

Global Id: T0619738267
Action Type: RESPONSE
Date: 06/19/2013
Action: Monitoring Report - Semi-Annually

Global Id: T0619738267
Action Type: ENFORCEMENT
Date: 07/30/2007
Action: Notice of Responsibility

Global Id: T0619738267
Action Type: ENFORCEMENT
Date: 07/14/2009
Action: Letter - Notice

Global Id: T0619738267
Action Type: ENFORCEMENT
Date: 10/29/2009
Action: Technical Correspondence / Assistance / Other

Global Id: T0619738267
Action Type: ENFORCEMENT
Date: 10/09/2013
Action: Technical Correspondence / Assistance / Other

SHELL (Continued) **S106875511**

Global Id: T0619738267
Action Type: ENFORCEMENT
Date: 03/14/2017
Action: Technical Correspondence / Assistance / Other

Global Id: T0619738267
Action Type: RESPONSE
Date: 06/25/2010
Action: Monitoring Report - Semi-Annually

Global Id: T0619738267
Action Type: RESPONSE
Date: 07/30/2012
Action: Monitoring Report - Semi-Annually

Global Id: T0619738267
Action Type: RESPONSE
Date: 01/11/2011
Action: Site Assessment Report - Regulator Responded

Global Id: T0619738267
Action Type: RESPONSE
Date: 09/06/2013
Action: Soil and Water Investigation Workplan - Regulator Responded

Global Id: T0619738267
Action Type: RESPONSE
Date: 10/19/2007
Action: Other Workplan - Regulator Responded

Global Id: T0619738267
Action Type: RESPONSE
Date: 01/12/2017
Action: Monitoring Report - Semi-Annually - Regulator Responded

Global Id: T0619738267
Action Type: RESPONSE
Date: 06/01/2017
Action: Other Report / Document - Regulator Responded

Global Id: T0619738267
Action Type: RESPONSE
Date: 05/30/2017
Action: Monitoring Report - Quarterly - Regulator Responded

Global Id: T0619738267
Action Type: RESPONSE
Date: 07/23/2009
Action: Monitoring Report - Quarterly

Global Id: T0619738267
Action Type: RESPONSE
Date: 01/15/2010
Action: Well Installation Workplan

Global Id: T0619738267
Action Type: RESPONSE

SHELL (Continued) **S106875511**

Date: 04/22/2009
Action: Monitoring Report - Quarterly

Global Id: T0619738267
Action Type: RESPONSE
Date: 07/31/2009
Action: CAP/RAP - Other Report

Global Id: T0619738267
Action Type: RESPONSE
Date: 10/22/2009
Action: Monitoring Report - Quarterly

Global Id: T0619738267
Action Type: RESPONSE
Date: 12/22/2009
Action: Monitoring Report - Quarterly

Global Id: T0619738267
Action Type: RESPONSE
Date: 01/30/2012
Action: Monitoring Report - Semi-Annually

Global Id: T0619738267
Action Type: RESPONSE
Date: 01/12/2017
Action: Other Report / Document

Global Id: T0619738267
Action Type: RESPONSE
Date: 08/04/2016
Action: Site Assessment Report

Global Id: T0619738267
Action Type: ENFORCEMENT
Date: 04/08/2011
Action: Technical Correspondence / Assistance / Other

Global Id: T0619738267
Action Type: ENFORCEMENT
Date: 08/01/2017
Action: Technical Correspondence / Assistance / Other

Global Id: T0619738267
Action Type: ENFORCEMENT
Date: 09/29/2017
Action: Closure/No Further Action Letter

Global Id: T0619738267
Action Type: Other
Date: 04/10/2007
Action: Leak Discovery

Global Id: T0619738267
Action Type: RESPONSE
Date: 07/26/2011
Action: Monitoring Report - Semi-Annually

SHELL (Continued) **S106875511**

Global Id: T0619738267
Action Type: RESPONSE
Date: 09/21/2011
Action: Monitoring Report - Semi-Annually

Global Id: T0619738267
Action Type: RESPONSE
Date: 12/16/2013
Action: Monitoring Report - Semi-Annually

Global Id: T0619738267
Action Type: RESPONSE
Date: 06/10/2015
Action: Monitoring Report - Quarterly

Global Id: T0619738267
Action Type: RESPONSE
Date: 12/16/2014
Action: Monitoring Report - Quarterly

Global Id: T0619738267
Action Type: RESPONSE
Date: 07/03/2014
Action: Monitoring Report - Quarterly

Global Id: T0619738267
Action Type: RESPONSE
Date: 02/29/2016
Action: Monitoring Report - Semi-Annually

Global Id: T0619738267
Action Type: RESPONSE
Date: 10/21/2015
Action: Correspondence

Global Id: T0619738267
Action Type: ENFORCEMENT
Date: 10/31/2008
Action: Technical Correspondence / Assistance / Other

Global Id: T0619738267
Action Type: Other
Date: 05/23/2007
Action: Leak Reported

Global Id: T0619738267
Action Type: RESPONSE
Date: 01/11/2011
Action: Monitoring Report - Semi-Annually

LUST:
Global Id: T0619738267
Status: Open - Case Begin Date
Status Date: 04/10/2007

Global Id: T0619738267
Status: Open - Site Assessment

SHELL (Continued) **S106875511**

Status Date: 06/13/2007

Global Id: T0619738267
Status: Completed - Case Closed
Status Date: 09/29/2017

SAN DIEGO CO. SAM:
Name: SHELL
Address: 679 SAN MARCOS BL
City,State,Zip: SAN MARCOS, CA 92069
Case Number: H32284-001
Agency: DEH Site Assessment & Mitigation
Funding: **LOP - Federal Fund**
Facility Type: Drinking Water Aquifer Impacted
Facility Status: Closed Case
Date: 12/7/2005
Date Began: 9/9/2003

CERS HAZ WASTE:
Name: JACKSONS FOOD STORES #226
Address: 679 SAN MARCOS BLVD
City,State,Zip: SAN MARCOS, CA 92078
Site ID: 74512
CERS ID: 10376254
CERS Description: Hazardous Waste Generator

CERS TANKS:
Name: JACKSONS FOOD STORES #226
Address: 679 SAN MARCOS BLVD
City,State,Zip: SAN MARCOS, CA 92078
Site ID: 74512
CERS ID: 10376254
CERS Description: Underground Storage Tank

CORTESE:
Name: SHELL
Address: 679 SAN MARCOS BL
City,State,Zip: SAN MARCOS, CA 92069
Region: CORTESE
Envirostor Id: Not reported
Global ID: T06019781381
Site/Facility Type: LUST CLEANUP SITE
Cleanup Status: COMPLETED - CASE CLOSED
Status Date: Not reported
Site Code: Not reported
Latitude: Not reported
Longitude: Not reported
Owner: Not reported
Enf Type: Not reported
Swat R: Not reported
Flag: active
Order No: Not reported
Waste Discharge System No: Not reported
Effective Date: Not reported

SHELL (Continued) **S106875511**

Region 2: Not reported
WID Id: Not reported
Solid Waste Id No: Not reported
Waste Management Uit Name: Not reported
File Name: Active Open

CERS:
Name: JACKSONS FOOD STORES #226
Address: 679 SAN MARCOS BLVD
City,State,Zip: SAN MARCOS, CA 92078
Site ID: 74512
CERS ID: 10376254
CERS Description: Chemical Storage Facilities

Violations:
Site ID: 74512
Site Name: JACKSONS FOOD STORES #226
Violation Date: 09-17-2015
Citation: 23 CCR 16 2636(f)(1) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2636(f)(1)
Violation Description: Failure of the double wall pressurized piping in the under dispenser containment to be continuously monitored by a method that either shuts down the flow of product to the dispenser or activates an audible/visual alarm when a leak is detected.
Violation Notes: Returned to compliance on 09/18/2015. Inspection Sequence ID:5160922;Tank ID:28710,28711,28712,28713;Violation Description:Failure of the double wall pressurized piping in the under dispenser containment to be continuously monitored by a method that either shuts down the flow of product to the dispenser or activates an audible/visual alarm when a leak is detected. 23 CCR 2636(f)(1)
Violation Division: San Diego County Department of Env Health
Violation Program: UST
Violation Source: CERS,

Site ID: 74512
Site Name: JACKSONS FOOD STORES #226
Violation Date: 09-14-2016
Citation: 23 CCR 16 2665 - California Code of Regulations, Title 23, Chapter 16, Section(s) 2665
Violation Description: Failure of the overfill prevention system to meet one of the following requirements: Alert the transfer operator when the tank is 90 percent full by restricting the flow into the tank or triggering an audible and visual alarm; or Restrict delivery of flow to the tank at least 30 minutes before the tank overfills, provided the restriction occurs when the tank is filled to no more than 95 percent of capacity; and activate an audible alarm at least five minutes before the tank overfills; or Provide positive shut-off of flow to the tank when the tank is filled to no more than 95 percent of capacity; or Provide positive shut-off of flow to the tank so that none of the fittings located on the top of the tank are exposed to product due to overfilling.
Violation Notes: Returned to compliance on 09/20/2016. Inspection Sequence ID:5493445;Tank ID:28710,28711,28712,28713;Violation Description:(RP) Failure of the overfill prevention system to meet one of the following requirements: 1. Alert the transfer operator when the tank is 90% full by restricting the flow into the tank or triggering an audible and visual alarm; or 2. Restrict delivery of flow to the tank at least 30m

SHELL (Continued) **S106875511**

before the tank overfills, provided the restriction occurs when the tank is filled to no more than 95% of capacity; and activate an audible alarm at least 5m before the tank overfills; or 3. Provide positive shut-off of flow to the tank when the tank is filled to no more than 95% of capacity; or 4. Provide positive shut-off of flow to the tank so that none of the fittings located on the top of the tank are exposed to product due to overfilling. 23 CCR 2635(b)(2), 2665

Violation Division: San Diego County Department of Env Health
Violation Program: UST
Violation Source: CERS,

Site ID: 74512
Site Name: JACKSONS FOOD STORES #226
Violation Date: 09-25-2014
Citation: 23 CCR 16 2715(c)(2) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2715(c)(2)
Violation Description: Failure to comply with one or more of the following: maintain the spill bucket in good condition, containment free of debris/liquid, and/or to remove the contents of the spill bucket when a release/leak/spill was observed.
Violation Notes: Returned to compliance on 09/25/2014.
Violation Division: San Diego County Department of Env Health
Violation Program: UST
Violation Source: CERS,

Site ID: 74512
Site Name: JACKSONS FOOD STORES #226
Violation Date: 09-17-2015
Citation: 23 CCR 16 2666(c) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2666(c)
Violation Description: Failure of line leak detector to detect a leak and/or failure of audible and visual alarm.
Violation Notes: Returned to compliance on 09/18/2015. Inspection Sequence ID:5160922;Tank ID:28713;Violation Description:Failure of line leak detector to detect a leak and/or failure of audible and visual alarm. 23 CCR 2636(f)(2)
Violation Division: San Diego County Department of Env Health
Violation Program: UST
Violation Source: CERS,

Site ID: 74512
Site Name: JACKSONS FOOD STORES #226
Violation Date: 09-13-2017
Citation: 23 CCR 16 2665 - California Code of Regulations, Title 23, Chapter 16, Section(s) 2665
Violation Description: Failure to comply with one or more of the following: Failure to install or maintain a liquid-tight spill bucket. Have a minimum capacity of five gallons. Have a functional drain valve or other method for the removal of liquid from the spill bucket/spill container. Be resistant to galvanic corrosion.
Violation Notes: Returned to compliance on 09/13/2017. Inspection Sequence ID:5718832;Tank ID:28712,28713;Violation Description:(RP) Failure to comply with one or more of the following: Failure to install or maintain a liquid-tight spill bucket, have a minimum capacity of 5 gallons, have a functional drain valve or other method for the removal of liquid from the spill bucket/spill container, and/or be resistant to galvanic corrosion. 23 CCR 2635(b), 2665

SHELL (Continued) **S106875511**

Violation Division:	San Diego County Department of Env Health
Violation Program:	UST
Violation Source:	CERS,
Site ID:	74512
Site Name:	JACKSONS FOOD STORES #226
Violation Date:	09-17-2015
Citation:	23 CCR 16 2665 - California Code of Regulations, Title 23, Chapter 16, Section(s) 2665
Violation Description:	Failure of the spill bucket to have a minimum capacity of five gallons.
Violation Notes:	Returned to compliance on 09/18/2015. Inspection Sequence ID:5160922;Tank ID:28710,28712;Violation Description:Failure of the spill bucket to have a minimum capacity of five gallons. 23 CCR 2635(b), 2665
Violation Division:	San Diego County Department of Env Health
Violation Program:	UST
Violation Source:	CERS,
Site ID:	74512
Site Name:	JACKSONS FOOD STORES #226
Violation Date:	10-02-2013
Citation:	23 CCR 16 2636(f) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2636(f)
Violation Description:	Failure to continuously monitor the interstitial space of the tank, piping and/or sumps sump such that the leak detection activates an audible/visual alarm when a leak is detected.
Violation Notes:	Returned to compliance on 10/02/2013.
Violation Division:	San Diego County Department of Env Health
Violation Program:	UST
Violation Source:	CERS,
Site ID:	74512
Site Name:	JACKSONS FOOD STORES #226
Violation Date:	09-10-2019
Citation:	HSC 6.7 25284.2 - California Health and Safety Code, Chapter 6.7, Section(s) 25284.2
Violation Description:	"Failure to meet one or more of the following requirements: Install or maintain a liquid-tight spill container. Have a minimum capacity of five gallons. Have a functional drain valve or other method for the removal of liquid from the spill container. Be resistant to galvanic corrosion. Perform a tightness test at installation, every 12 months thereafter, or within 30 days after a repair to the spill container. Tested using applicable manufacturer guidelines, industry codes, engineering standards, or a method approved by a professional engineer. Tested by a certified UST service technician. Maintain records of spill containment testing for 36 months. "
Violation Notes:	Returned to compliance on 09/10/2019. Inspection Sequence ID:6236024;Tank ID:28712;Violation Description:(TCR 9a) Failure to meet one or more of the following requirements: Install or maintain a liquid-tight spill container. Have a minimum capacity of 5 gallons. Have a functional drain valve or other method for the removal of liquid from the spill container. Be resistant to galvanic corrosion. Perform a tightness test at installation, every 12 months thereafter, or within 30 days after a repair to the spill container, tested using applicable manufacturer guidelines, industry codes, engineering standards, or a method approved by a professional engineer. Tested by

SHELL (Continued) **S106875511**

a certified UST service technician. Maintain records of spill containment testing for 36 months. 23 CCR 2635(b), 2637.1(a-c), 2665(a-b), 2712(b)(1)(F); HSC 25284.2

Violation Division: San Diego County Department of Env Health
Violation Program: UST
Violation Source: CERS,

Site ID: 74512
Site Name: JACKSONS FOOD STORES #226
Violation Date: 10-02-2013
Citation: HSC 6.7 25291 - California Health and Safety Code, Chapter 6.7, Section(s) 25291
Violation Description: Failure to maintain under-dispenser containment, sumps, and/or other secondary containment in good condition and/or free of debris/liquid.
Violation Notes: Returned to compliance on 10/02/2013.
Violation Division: San Diego County Department of Env Health
Violation Program: UST
Violation Source: CERS,

Evaluation:
Eval General Type: Compliance Evaluation Inspection
Eval Date: 09-10-2019
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Inspector: Beacon Ellen Inspection ID:6236024
Eval Division: San Diego County Department of Env Health
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 09-13-2017
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Inspector: Beacon Ellen Inspection ID:5718832
Eval Division: San Diego County Department of Env Health
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 09-14-2016
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Inspector: Oglesby Margaret Inspection ID:5493445
Eval Division: San Diego County Department of Env Health
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 09-25-2014
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Inspector: Oglesby Margaret Inspection ID:4973738
Eval Division: San Diego County Department of Env Health
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection

SHELL (Continued) **S106875511**

Eval Date: 10-02-2013
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Inspector: Oglesby Margaret Inspection ID:4085039
Eval Division: San Diego County Department of Env Health
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 09-11-2018
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Inspector: Beacon Ellen Inspection ID:5968492
Eval Division: San Diego County Department of Env Health
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 09-13-2017
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Inspector: Beacon Ellen Inspection ID:5718832
Eval Division: San Diego County Department of Env Health
Eval Program: UST
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 09-14-2016
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Inspector: Oglesby Margaret Inspection ID:5493445
Eval Division: San Diego County Department of Env Health
Eval Program: UST
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 09-25-2014
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Inspector: Oglesby Margaret Inspection ID:4973738
Eval Division: San Diego County Department of Env Health
Eval Program: UST
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 09-10-2019
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Inspector: Beacon Ellen Inspection ID:6236024
Eval Division: San Diego County Department of Env Health
Eval Program: UST
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 09-13-2017
Violations Found: No
Eval Type: Routine done by local agency

SHELL (Continued) **S106875511**

Eval Notes: Inspector: Beacon Ellen Inspection ID:5718832
Eval Division: San Diego County Department of Env Health
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 09-17-2015
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Inspector: Oglesby Margaret Inspection ID:5160922
Eval Division: San Diego County Department of Env Health
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 09-17-2015
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Inspector: Oglesby Margaret Inspection ID:5160922
Eval Division: San Diego County Department of Env Health
Eval Program: UST
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 09-17-2020
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: "No On-site Inspection" Inspector: Beacon Ellen Inspection ID:6492892
Eval Division: San Diego County Department of Env Health
Eval Program: UST
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 10-02-2013
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Inspector: Oglesby Margaret Inspection ID:4085039
Eval Division: San Diego County Department of Env Health
Eval Program: UST
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 09-01-2021
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Inspector: Fernandez Juan Inspection ID:6797875
Eval Division: San Diego County Department of Env Health
Eval Program: UST
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 09-10-2019
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Inspector: Beacon Ellen Inspection ID:6236024
Eval Division: San Diego County Department of Env Health
Eval Program: HW

SHELL (Continued) **S106875511**

Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 09-11-2018
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Inspector: Beacon Ellen Inspection ID:5968492
Eval Division: San Diego County Department of Env Health
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 09-11-2018
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Inspector: Beacon Ellen Inspection ID:5968492
Eval Division: San Diego County Department of Env Health
Eval Program: UST
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 09-14-2016
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Inspector: Oglesby Margaret Inspection ID:5493445
Eval Division: San Diego County Department of Env Health
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 09-17-2015
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Inspector: Oglesby Margaret Inspection ID:5160922
Eval Division: San Diego County Department of Env Health
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 09-25-2014
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Inspector: Oglesby Margaret Inspection ID:4973738
Eval Division: San Diego County Department of Env Health
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 10-02-2013
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Inspector: Oglesby Margaret Inspection ID:4085039
Eval Division: San Diego County Department of Env Health
Eval Program: HW
Eval Source: CERS,

SHELL (Continued) **S106875511**

Affiliation:

Affiliation Type Desc:	Identification Signer
Entity Name:	RICHARD WRIGHT
Entity Title:	ENVIRONMENTAL MANAGER
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,

Affiliation Type Desc:	Operator
Entity Name:	JACKSONS FOOD STORES
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	(208) 888-6061,

Affiliation Type Desc:	Parent Corporation
Entity Name:	Jacksons Food Stores, Inc.
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,

Affiliation Type Desc:	UST Tank Operator
Entity Name:	JACKSONS FOOD STORES
Entity Title:	Not reported
Affiliation Address:	3450 E. COMMERCIAL COURT
Affiliation City:	MERIDIAN
Affiliation State:	ID
Affiliation Country:	United States
Affiliation Zip:	83642
Affiliation Phone:	(208) 888-6061,

Affiliation Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	Not reported
Affiliation Address:	3450 E. COMMERCIAL COURT
Affiliation City:	MERIDIAN
Affiliation State:	ID
Affiliation Country:	Not reported
Affiliation Zip:	83642
Affiliation Phone:	,

Affiliation Type Desc:	UST Permit Applicant
Entity Name:	BURKE D. ALBELDA
Entity Title:	ENVIRONMENTAL COMPLIANCE SUPERVISOR
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported

SHELL (Continued) **S106875511**

Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	(310) 869-4096,
Affiliation Type Desc:	CUPA District
Entity Name:	San Diego County Env Health Qlty
Entity Title:	Not reported
Affiliation Address:	PO Box 129261
Affiliation City:	San Diego
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92112-9261
Affiliation Phone:	(858) 505-6880,
Affiliation Type Desc:	Environmental Contact
Entity Name:	Richard Wright
Entity Title:	Not reported
Affiliation Address:	3450 E. COMMERCIAL COURT
Affiliation City:	MERIDIAN
Affiliation State:	ID
Affiliation Country:	Not reported
Affiliation Zip:	83642
Affiliation Phone:	,
Affiliation Type Desc:	Legal Owner
Entity Name:	JACKSONS FOOD STORES
Entity Title:	Not reported
Affiliation Address:	3450 E. COMMERCIAL COURT
Affiliation City:	MERIDIAN
Affiliation State:	ID
Affiliation Country:	United States
Affiliation Zip:	83642
Affiliation Phone:	(208) 888-6061,
Affiliation Type Desc:	UST Property Owner Name
Entity Name:	CAROLYN N. DAWN LLC
Entity Title:	Not reported
Affiliation Address:	250 SOUTH PACIFIC ST., SUITE #101
Affiliation City:	SAN MARCOS
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	92078
Affiliation Phone:	(208) 888-6061,
Affiliation Type Desc:	UST Tank Owner
Entity Name:	JACKSONS FOOD STORES
Entity Title:	Not reported
Affiliation Address:	3450 E. COMMERCIAL COURT
Affiliation City:	MERIDIAN
Affiliation State:	ID
Affiliation Country:	United States
Affiliation Zip:	83642
Affiliation Phone:	(208) 888-6061,
Affiliation Type Desc:	Document Preparer
Entity Name:	BELSHIRE ENVIRONMENTAL
Entity Title:	Not reported

SHELL (Continued) **S106875511**

Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Affiliation Type Desc: Property Owner
Entity Name: CAROLYN N. DAWN LLC
Entity Title: Not reported
Affiliation Address: 250 SOUTH PACIFIC ST., SUITE #101
Affiliation City: SAN MARCOS
Affiliation State: CA
Affiliation Country: United States
Affiliation Zip: 92078
Affiliation Phone: (208) 888-6061,

Name: SHELL
Address: 679 SAN MARCOS BL
City,State,Zip: SAN MARCOS, CA 92069
Site ID: 244035
CERS ID: T06019781381
CERS Description: Leaking Underground Storage Tank Cleanup Site

Affiliation:
Affiliation Type Desc: Local Agency Caseworker
Entity Name: JON SENAHA - SAN DIEGO COUNTY LOP
Entity Title: Not reported
Affiliation Address: P.O. Box 129261
Affiliation City: San Diego
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

AG178 **TORREY CHEMICAL CO** **SEMS-ARCHIVE** **1003879087**
NNW **217 LAS POSAS RD** **CAD982360430**
1/4-1/2 **SAN MARCOS, CA 92069**
0.401 mi.
2116 ft. **Site 1 of 3 in cluster AG**

Relative:
Higher

Actual:
560 ft.

SEMS Archive:
Site ID: 0902600
EPA ID: CAD982360430
Name: TORREY CHEMICAL CO
Address: 217 LAS POSAS RD
Address 2: Not reported
City,State,Zip: SAN MARCOS, CA 92069
Cong District: 43
FIPS Code: 06073
FF: N
NPL: Not on the NPL
Non NPL Status: NFRAP-Site does not qualify for the NPL based on existing information

SEMS Archive Detail:
Region: 09
Site ID: 0902600

TORREY CHEMICAL CO (Continued) **1003879087**

EPA ID:	CAD982360430
Site Name:	TORREY CHEMICAL CO
NPL:	N
FF:	N
OU:	00
Action Code:	VS
Action Name:	ARCH SITE
SEQ:	1
Start Date:	Not reported
Finish Date:	1991-03-19 05:00:00
Qual:	Not reported
Current Action Lead:	EPA Perf In-Hse

Region:	09
Site ID:	0902600
EPA ID:	CAD982360430
Site Name:	TORREY CHEMICAL CO
NPL:	N
FF:	N
OU:	00
Action Code:	PA
Action Name:	PA
SEQ:	1
Start Date:	Not reported
Finish Date:	1991-03-19 05:00:00
Qual:	N
Current Action Lead:	EPA Perf

Region:	09
Site ID:	0902600
EPA ID:	CAD982360430
Site Name:	TORREY CHEMICAL CO
NPL:	N
FF:	N
OU:	00
Action Code:	DS
Action Name:	DISCVRY
SEQ:	1
Start Date:	1987-11-01 05:00:00
Finish Date:	1987-11-01 05:00:00
Qual:	Not reported
Current Action Lead:	St Perf

AG179 **TORREY CHEMICAL CO.** **ENVIROSTOR** **S101481993**
NNW **217 LAS POSAS ROAD** **N/A**
1/4-1/2 **SAN MARCOS, CA 92069**
0.401 mi.
2116 ft. **Site 2 of 3 in cluster AG**

Relative:
Higher

Actual:
560 ft.

ENVIROSTOR:

Name:	TORREY CHEMICAL CO.
Address:	217 LAS POSAS ROAD
City,State,Zip:	SAN MARCOS, CA 92069
Facility ID:	37510137
Status:	Refer: Other Agency
Status Date:	08/21/1995
Site Code:	Not reported

TORREY CHEMICAL CO. (Continued) **S101481993**

Site Type:	Historical
Site Type Detailed:	* Historical
Acres:	Not reported
NPL:	NO
Regulatory Agencies:	NONE SPECIFIED
Lead Agency:	NONE SPECIFIED
Program Manager:	Not reported
Supervisor:	* Mmonroy
Division Branch:	Cleanup Cypress
Assembly:	75
Senate:	38
Special Program:	Not reported
Restricted Use:	NO
Site Mgmt Req:	NONE SPECIFIED
Funding:	Not reported
Latitude:	33.14694
Longitude:	-117.1888
APN:	NONE SPECIFIED
Past Use:	NONE SPECIFIED
Potential COC:	* HALOGENATED SOLVENTS * OXYGENATED SOLVENTS * CONTAMINATED SOIL * UNSPECIFIED ACID SOLUTION
Confirmed COC:	NONE SPECIFIED
Potential Description:	NONE SPECIFIED
Alias Name:	37510137
Alias Type:	Envirostor ID Number

Completed Info:

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Site Screening
Completed Date:	10/25/1994
Comments:	CalSites Validation Program confirms NFA for DTSC.

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Site Screening
Completed Date:	08/13/1991
Comments:	PA Report was reviewed by Region 4 staff. The site is located at 217 Las Posas R. between Mission Rd. & Hwy 78 in San Marcos. The area is industrial, but Palomar College is north of Mission Rd. Site includes 4,000 sf bldg., 2 small storage sheds, outdoor drum storage area, and abandoned above ground storage tanks (550 gal.). Chemical company is still operating repackaging and storing various chemical products (Algi-gon pool treatment etc.). No sampling result were considered in EPA's PA. Staff recommends PEARM to de- termine if there is a problem DTSC should address.

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Site Screening
Completed Date:	06/20/1987
Comments:	SITE SCREENING DONE

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	* Discovery
Completed Date:	05/11/1983
Comments:	FACILITY IDENTIFIED VIA DRIVEBY

TORREY CHEMICAL CO. (Continued) **S101481993**

Future Area Name:	Not reported
Future Sub Area Name:	Not reported
Future Document Type:	Not reported
Future Due Date:	Not reported
Schedule Area Name:	Not reported
Schedule Sub Area Name:	Not reported
Schedule Document Type:	Not reported
Schedule Due Date:	Not reported
Schedule Revised Date:	Not reported

AH180 **AIR PRODUCTS AND CHEMICALS INC** **LUST** **S102423760**
WNW **1415 GRAND AVE** **SWEEPS UST** **N/A**
1/4-1/2 **SAN MARCOS, CA 92069** **SAN DIEGO CO LOP**
0.403 mi.
2127 ft. **Site 1 of 2 in cluster AH**

Relative:
Higher

Actual:
551 ft.

LUST REG 9:

Region:	9
Status:	Case Closed
Case Number:	9UT1661
Local Case:	H02614-001
Substance:	Diesel
Qty Leaked:	Not reported
Abate Method:	Excavate and Dispose - remove contaminated soil and dispose in approved site
Local Agency:	San Diego
How Found:	Tank Closure
How Stopped:	Close Tank
Source:	Unknown
Cause:	Unknown
Lead Agency:	Local Agency
Case Type:	Other ground water affected
Date Found:	03/23/1990
Date Stopped:	03/23/1990
Confirm Date:	03/23/1990
Submit Workplan:	Not reported
Prelim Assess:	/ /
Desc Pollution:	Not reported
Remed Plan:	/ /
Remed Action:	Not reported
Began Monitor:	Not reported
Release Date:	03/23/1990
Enforce Date:	Not reported
Closed Date:	2/4/91
Enforce Type:	Not reported
Pilot Program:	LOP
Basin Number:	904.52
GW Depth:	10
Beneficial Use:	Municipal groundwater use
NPDES Number:	Not reported
Priority:	Low priority. Priority ranking can change over time.
File Dispn:	File discarded, case closed
Interim Remedial Actions:	Yes
Cleanup and Abatement order Number:	Not reported
Waste Discharge Requirement Number:	Not reported

SWEEPS UST:

AIR PRODUCTS AND CHEMICALS INC (Continued) **S102423760**

Name:	AIR PRODUCTS & CHEMICALS INC
Address:	1415 GRAND AVE
City:	SAN MARCOS
Status:	Not reported
Comp Number:	2614
Number:	Not reported
Board Of Equalization:	Not reported
Referral Date:	Not reported
Action Date:	Not reported
Created Date:	Not reported
Owner Tank Id:	Not reported
SWRCB Tank Id:	37-000-002614-000001
Tank Status:	Not reported
Capacity:	280
Active Date:	Not reported
Tank Use:	PETROLEUM
STG:	WASTE
Content:	Not reported
Number Of Tanks:	3

Name:	AIR PRODUCTS & CHEMICALS INC
Address:	1415 GRAND AVE
City:	SAN MARCOS
Status:	Not reported
Comp Number:	2614
Number:	Not reported
Board Of Equalization:	Not reported
Referral Date:	Not reported
Action Date:	Not reported
Created Date:	Not reported
Owner Tank Id:	Not reported
SWRCB Tank Id:	37-000-002614-000002
Tank Status:	Not reported
Capacity:	5000
Active Date:	Not reported
Tank Use:	M.V. FUEL
STG:	PRODUCT
Content:	OTHER
Number Of Tanks:	Not reported

Name:	AIR PRODUCTS & CHEMICALS INC
Address:	1415 GRAND AVE
City:	SAN MARCOS
Status:	Not reported
Comp Number:	2614
Number:	Not reported
Board Of Equalization:	Not reported
Referral Date:	Not reported
Action Date:	Not reported
Created Date:	Not reported
Owner Tank Id:	Not reported
SWRCB Tank Id:	37-000-002614-000003
Tank Status:	Not reported
Capacity:	2000
Active Date:	Not reported
Tank Use:	M.V. FUEL
STG:	PRODUCT

AIR PRODUCTS AND CHEMICALS INC (Continued) **S102423760**

Content: OTHER
Number Of Tanks: Not reported

Name: AIR PRODUCTS & CHEMICALS INC
Address: 1415 GRAND AVE
City: SAN MARCOS
Status: Active
Comp Number: 2614
Number: 9
Board Of Equalization: Not reported
Referral Date: Not reported
Action Date: 06-26-92
Created Date: 02-29-88
Owner Tank Id: Not reported
SWRCB Tank Id: Not reported
Tank Status: Not reported
Capacity: Not reported
Active Date: Not reported
Tank Use: Not reported
STG: Not reported
Content: Not reported
Number Of Tanks: Not reported

SAN DIEGO CO LOP:
Name: AIR PRODUCTS & CHEMICALS INC
Address: 1415 GRAND AVE
City,State,Zip: SAN MARCOS, CA 92069
Record ID: DEH1990-LSAM-H02614-001
Record Status: Completed
Opened Date: 03/23/1990
Parcel Number: 219-140-50-00
Case Type: LOP - Local Oversight Program
Historical Name: AIR PRODUCTS & CHEMICALS
SWRCB Global ID: T0607300476
Funding: S - LOP State Fund
Lead Agency: DEH/SAM
Lead Agency Date: 03/23/1990
Census Tract: 200.29
Community: San Marcos
Jurisdiction: SAN MARCOS
Watershed Basin Number: 904.52
Water Purveyor: VALLECITOS WATER DISTRICT
Fire Agency: SAN MARCOS FIRE PROT DIST
Latitude: 33.1433192
Longitude: -117.1944233
X MapCoord: 6272593.554
Y MapCoord: 1997104.198

AH181 **L AND V INDUSTRIAL SUPPLY INC** **SAN DIEGO CO. SAM** **S104745513**
WNW **1415 GRAND AVE** **LUST** **N/A**
1/4-1/2 **SAN MARCOS, CA 92069** **San Diego Co. HMMD**
0.403 mi. **CERS HAZ WASTE**
2127 ft. **Site 2 of 2 in cluster AH** **HIST UST**
Cortese
Relative: **HAZNET**
Higher **HIST CORTESE**
Actual: **CERS**
551 ft. **HWTS**

SAN DIEGO CO. SAM:

Name:	AIR PRODUCTS & CHEMICALS INC
Address:	1415 GRAND AV
City,State,Zip:	SAN MARCOS, CA 920692405
Case Number:	H02614-001
Agency:	DEH Site Assessment & Mitigation
Funding:	**LOP - State Fund**
Facility Type:	Soils Only
Facility Status:	Closed Case
Date:	2/5/1991
Date Began:	3/23/1990

LUST:

Name:	AIR PRODUCTS & CHEMICALS INC
Address:	1415 GRAND AV
City,State,Zip:	SAN MARCOS, CA 920692405
Lead Agency:	SAN DIEGO COUNTY LOP
Case Type:	LUST Cleanup Site
Geo Track:	http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0607300476
Global Id:	T0607300476
Latitude:	33.143321
Longitude:	-117.194423
Status:	Completed - Case Closed
Status Date:	02/05/1991
Case Worker:	Not reported
RB Case Number:	9UT1661
Local Agency:	Not reported
File Location:	Local Agency
Local Case Number:	H02614-001
Potential Media Affect:	Soil
Potential Contaminants of Concern:	Diesel
Site History:	Not reported

LUST:

Global Id:	T0607300476
Action Type:	Other
Date:	03/23/1990
Action:	Leak Reported

Global Id:	T0607300476
Action Type:	ENFORCEMENT
Date:	02/04/1991
Action:	Closure/No Further Action Letter

Global Id:	T0607300476
Action Type:	Other
Date:	03/23/1990
Action:	Leak Began

L AND V INDUSTRIAL SUPPLY INC (Continued) **S104745513**

Global Id: T0607300476
Action Type: Other
Date: 03/12/1990
Action: Leak Stopped

Global Id: T0607300476
Action Type: Other
Date: 03/23/1990
Action: Leak Discovery

LUST:
Global Id: T0607300476
Status: Open - Case Begin Date
Status Date: 03/12/1990

Global Id: T0607300476
Status: Completed - Case Closed
Status Date: 02/05/1991

HMMD SAN DIEGO:
Name: AIRGAS USA LLC
Address: 1415 GRAND AV
City,State,Zip: SAN MARCOS, CA 92078
Permit Number: 202025
Business Type: 6HK79
EPA Id Number: Not reported
APN: 219-140-50-00
Last HMMD Inspection: 07/14/2010
Facility Telephone: 760-744-1472
Permit Status: OPEN
Permit Expiration: 01/31/2013
Date Last Updated: 11/02/2012
Facility Owner: AIRGAS USA LLC/WEST DIVISION
Facility Mailing Address: PO BOX 93500
Facility Mailing City: Long Beach
Facility Mailing State: CA
Facility Mailing Zip: 90809
UST Owner: Not reported
Handle Regulated Hazmat: Y
Own Or Operate UST: Not reported
Subject To APSA: Not reported
Generate Haz Waste: Not reported
Treat Haz Waste: Not reported
Generate Medical Waste: Not reported

Inventory Active Permits (not SQG Medical):
Permit Number: 202025
Update Date: 11/02/2012
Case Number: 74-86-2
Name: ACETYLENE GAS
Other Information: DISSOLVED
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: REACTIVE

Permit Number: 202025

L AND V INDUSTRIAL SUPPLY INC (Continued) **S104745513**

Update Date:	11/02/2012
Case Number:	Not reported
Name:	AIR, COMPRESSED
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	PRESSURE RELEASE
Hazardous Categories 2:	ACUTE

Permit Number:	202025
Update Date:	11/02/2012
Case Number:	7664-41-7
Name:	AMMONIA
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	FIRE
Hazardous Categories 2:	EXTREMELY HAZARDOUS

Permit Number:	202025
Update Date:	11/02/2012
Case Number:	7440-37-1
Name:	ARGON GAS
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	PRESSURE RELEASE
Hazardous Categories 2:	Not reported

Permit Number:	202025
Update Date:	11/02/2012
Case Number:	7440-37-1
Name:	ARGON LIQUID
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	PRESSURE RELEASE
Hazardous Categories 2:	CRYOGENIC

Permit Number:	202025
Update Date:	11/02/2012
Case Number:	Not reported
Name:	ARGON/CARBON DIOXIDE MIXTURE
Other Information:	WELDING MIX
Material Waste:	Material
Hazardous Categories 1:	PRESSURE RELEASE
Hazardous Categories 2:	ACUTE

Permit Number:	202025
Update Date:	11/02/2012
Case Number:	Not reported
Name:	ARGON/HYDROGEN MIXTURE
Other Information:	WELDING MIX
Material Waste:	Material
Hazardous Categories 1:	FIRE
Hazardous Categories 2:	PRESSURE RELEASE

Permit Number:	202025
Update Date:	11/02/2012
Case Number:	Not reported
Name:	ARGON/METHANE MIXTURE

L AND V INDUSTRIAL SUPPLY INC (Continued) **S104745513**

Other Information:	WELDING MIX
Material Waste:	Material
Hazardous Categories 1:	FIRE
Hazardous Categories 2:	PRESSURE RELEASE
Permit Number:	202025
Update Date:	11/02/2012
Case Number:	Not reported
Name:	ARGON/OXYGEN
Other Information:	WELDING MIX
Material Waste:	Material
Hazardous Categories 1:	PRESSURE RELEASE
Hazardous Categories 2:	ACUTE
Permit Number:	202025
Update Date:	11/02/2012
Case Number:	106-97-8
Name:	BUTANE
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	FIRE
Hazardous Categories 2:	PRESSURE RELEASE
Permit Number:	202025
Update Date:	11/02/2012
Case Number:	124-38-9
Name:	CARBON DIOXIDE GAS
Other Information:	CO2, (IN STEEL OR ALUMINUM CYLINDERS)
Material Waste:	Material
Hazardous Categories 1:	PRESSURE RELEASE
Hazardous Categories 2:	ACUTE
Permit Number:	202025
Update Date:	11/02/2012
Case Number:	124-38-9
Name:	CARBON DIOXIDE LIQUID
Other Information:	CO2, BULK REFRIGERATED LIQUID
Material Waste:	Material
Hazardous Categories 1:	PRESSURE RELEASE
Hazardous Categories 2:	ACUTE
Permit Number:	202025
Update Date:	11/02/2012
Case Number:	Not reported
Name:	CARBON DIOXIDE/ARGON/OXYGEN MIXTURE
Other Information:	WELDING GAS
Material Waste:	Material
Hazardous Categories 1:	PRESSURE RELEASE
Hazardous Categories 2:	ACUTE
Permit Number:	202025
Update Date:	11/02/2012
Case Number:	Not reported
Name:	CARBON DIOXIDE/NITROGEN/HELIUM/CARBON MONOXIDE/HYDROGEN MIX
Other Information:	LASER MIX
Material Waste:	Material
Hazardous Categories 1:	PRESSURE RELEASE

L AND V INDUSTRIAL SUPPLY INC (Continued) **S104745513**

Hazardous Categories 2:	ACUTE
Permit Number:	202025
Update Date:	11/02/2012
Case Number:	Not reported
Name:	CARBON DIOXIDE/NITROGEN/OXYGEN MIXTURE
Other Information:	AEROBIC GAS MIX
Material Waste:	Material
Hazardous Categories 1:	PRESSURE RELEASE
Hazardous Categories 2:	ACUTE
Permit Number:	202025
Update Date:	11/02/2012
Case Number:	Not reported
Name:	CARBON DIOXIDE/OXYGEN-NITROGEN MIX
Other Information:	CLINICAL BLOOD GAS
Material Waste:	Material
Hazardous Categories 1:	PRESSURE RELEASE
Hazardous Categories 2:	ACUTE
Permit Number:	202025
Update Date:	11/02/2012
Case Number:	7782-50-5
Name:	CHLORINE
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	FIRE
Hazardous Categories 2:	PRESSURE RELEASE
Permit Number:	202025
Update Date:	11/02/2012
Case Number:	74-84-0
Name:	ETHANE
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	FIRE
Hazardous Categories 2:	PRESSURE RELEASE
Permit Number:	202025
Update Date:	11/02/2012
Case Number:	74-85-1
Name:	ETHYLENE
Other Information:	NATURE RIPE, BANANA GAS, FRUIT RIPENING GAS
Material Waste:	Material
Hazardous Categories 1:	FIRE
Hazardous Categories 2:	PRESSURE RELEASE
Permit Number:	202025
Update Date:	11/02/2012
Case Number:	7440-59-7
Name:	HELIUM GAS (JUMBO TUBE TRAILER)
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	PRESSURE RELEASE
Hazardous Categories 2:	ACUTE
Permit Number:	202025

L AND V INDUSTRIAL SUPPLY INC (Continued) **S104745513**

Update Date:	11/02/2012
Case Number:	Not reported
Name:	HELIUM/ARGON/CARBON DIOXIDE MIXTURE
Other Information:	WELDING MIX
Material Waste:	Material
Hazardous Categories 1:	PRESSURE RELEASE
Hazardous Categories 2:	ACUTE

Permit Number:	202025
Update Date:	11/02/2012
Case Number:	1333-74-0
Name:	HYDROGEN
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	FIRE
Hazardous Categories 2:	ACUTE

Permit Number:	202025
Update Date:	11/02/2012
Case Number:	7647-01-0
Name:	HYDROGEN CHLORIDE
Other Information:	HCL
Material Waste:	Material
Hazardous Categories 1:	PRESSURE RELEASE
Hazardous Categories 2:	EXTREMELY HAZARDOUS

Permit Number:	202025
Update Date:	11/02/2012
Case Number:	7664-39-3
Name:	HYDROGEN FLUORIDE
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	PRESSURE RELEASE
Hazardous Categories 2:	ACUTE

Permit Number:	202025
Update Date:	11/02/2012
Case Number:	Not reported
Name:	HYDROGEN/CARBON DIOXIDE/NITROGEN MIXES
Other Information:	ANAEROBIC MIX
Material Waste:	Material
Hazardous Categories 1:	FIRE
Hazardous Categories 2:	PRESSURE RELEASE

Permit Number:	202025
Update Date:	11/02/2012
Case Number:	Not reported
Name:	LASER MIX W/HYDROGEN CHLORIDE
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	PRESSURE RELEASE
Hazardous Categories 2:	ACUTE

Permit Number:	202025
Update Date:	11/02/2012
Case Number:	Not reported
Name:	LASER MIX/FLUORINE

L AND V INDUSTRIAL SUPPLY INC (Continued) **S104745513**

Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: PRESSURE RELEASE

Permit Number: 202025
Update Date: 11/02/2012
Case Number: 74-82-8
Name: METHANE
Other Information: COMPRESSED/NATURAL GAS
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: PRESSURE RELEASE

Permit Number: 202025
Update Date: 11/02/2012
Case Number: 7440-01-9
Name: NEON
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: PRESSURE RELEASE
Hazardous Categories 2: ACUTE

Permit Number: 202025
Update Date: 11/02/2012
Case Number: 7727-37-9
Name: NITROGEN GAS
Other Information: NITROGEN, COMPRESSED
Material Waste: Material
Hazardous Categories 1: PRESSURE RELEASE
Hazardous Categories 2: ACUTE

Permit Number: 202025
Update Date: 11/02/2012
Case Number: 7727-37-9
Name: NITROGEN LIQUID
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: PRESSURE RELEASE
Hazardous Categories 2: CRYOGENIC

Permit Number: 202025
Update Date: 11/02/2012
Case Number: 10024-97-2
Name: NITROUS OXIDE
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: PRESSURE RELEASE

Permit Number: 202025
Update Date: 11/02/2012
Case Number: 7782-44-7
Name: OXYGEN GAS
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: REACTIVE

L AND V INDUSTRIAL SUPPLY INC (Continued) **S104745513**

Hazardous Categories 2: PRESSURE RELEASE

Permit Number: 202025
Update Date: 11/02/2012
Case Number: 7782-44-7
Name: OXYGEN LIQUID
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: REACTIVE
Hazardous Categories 2: CRYOGENIC

Permit Number: 202025
Update Date: 11/02/2012
Case Number: Not reported
Name: PAINT (WATER BASE)
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: CHRONIC

Permit Number: 202025
Update Date: 11/02/2012
Case Number: 74-98-6
Name: PROPANE
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: PRESSURE RELEASE

Permit Number: 202025
Update Date: 11/02/2012
Case Number: 115-07-1
Name: PROPYLENE HPG FUEL GAS
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: PRESSURE RELEASE

Permit Number: 202025
Update Date: 11/02/2012
Case Number: 2551-62-4
Name: SULFUR HEXAFLUORIDE
Other Information: SF6, BULK REFRIGERATED LIQUID (TANK & CYLINDERS)
Material Waste: Material
Hazardous Categories 1: PRESSURE RELEASE
Hazardous Categories 2: ACUTE

Permit Number: 202025
Update Date: 11/02/2012
Case Number: 2551-62-4
Name: SULFUR HEXAFLUORIDE
Other Information: SF6, LIQUIFIED GAS IN CYLINDERS
Material Waste: Material
Hazardous Categories 1: PRESSURE RELEASE
Hazardous Categories 2: ACUTE

Permit Number: 202025

L AND V INDUSTRIAL SUPPLY INC (Continued) **S104745513**

Update Date:	11/02/2012
Case Number:	811-97-2
Name:	TETRAFLUOROETHANE
Other Information:	R-134A
Material Waste:	Material
Hazardous Categories 1:	PRESSURE RELEASE
Hazardous Categories 2:	ACUTE

Permit Number:	202025
Update Date:	11/02/2012
Case Number:	75-46-7
Name:	TRIFLUOROMETHANE
Other Information:	HALOCARBON 23, 14, 12
Material Waste:	Material
Hazardous Categories 1:	PRESSURE RELEASE
Hazardous Categories 2:	ACUTE

Name:	AIR PRODUCTS & CHEMICALS INC
Address:	1415 GRAND AV
City,State,Zip:	SAN MARCOS, CA 92069
Permit Number:	102614
Business Type:	6HK79
EPA Id Number:	CAL000027654
APN:	219-140-50-00
Last HMMD Inspection:	12/14/2000
Facility Telephone:	619-744-1472
Permit Status:	CHNG
Permit Expiration:	01/31/2003
Date Last Updated:	11/02/2012
Facility Owner:	AIR PRODUCTS & CHEMICALS, INC.
Facility Mailing Address:	1415 GRAND AV
Facility Mailing City:	SAN MARCOS
Facility Mailing State:	CA
Facility Mailing Zip:	92069-2405
UST Owner:	LEROY LAVINE
Handle Regulated Hazmat:	Y
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Not reported
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

UST:

UST Name:	UNDERGROUND TANK 102614 T001
Last Update:	2012-11-02 14:17:38
Permit Number:	102614
Tank Type:	SINGLE WALL
Additional Id:	J-106012
Capacity Gallons:	280
UST Contents:	Not reported
Other Content Info:	WASTE OIL
Reg Status:	REMOVED
Remove Close Date:	1990-12-03 00:00:00
Year Installed:	1984-01-01 00:00:00
Pipe Type:	Not reported
Delivery System:	SUCTION
Monitor Code:	10

L AND V INDUSTRIAL SUPPLY INC (Continued) **S104745513**

UST Monitor Method:	SW TANK DW PRESSURE PIPE W/POS SHUTOFF LLD W/DAILY RECONCILE OR WEEKLY GAUGE: TNK TEST ANN, PIPE TEST ANN 0.1 GAL/HR OR MO 0.2 GAL/HR
UST Name:	UNDERGROUND TANK 102614 T002
Last Update:	2012-11-02 14:17:38
Permit Number:	102614
Tank Type:	SINGLE WALL
Additional Id:	J-106023
Capacity Gallons:	5000
UST Contents:	DIESEL
Other Content Info:	DIESEL
Reg Status:	REMOVED
Remove Close Date:	1990-12-03 00:00:00
Year Installed:	1984-01-01 00:00:00
Pipe Type:	Not reported
Delivery System:	SUCTION
Monitor Code:	10
UST Monitor Method:	SW TANK DW PRESSURE PIPE W/POS SHUTOFF LLD W/DAILY RECONCILE OR WEEKLY GAUGE: TNK TEST ANN, PIPE TEST ANN 0.1 GAL/HR OR MO 0.2 GAL/HR
UST Name:	UNDERGROUND TANK 102614 T003
Last Update:	2012-11-02 14:17:38
Permit Number:	102614
Tank Type:	SINGLE WALL
Additional Id:	#2
Capacity Gallons:	2000
UST Contents:	DIESEL
Other Content Info:	DIESEL
Reg Status:	REMOVED
Remove Close Date:	1990-12-03 00:00:00
Year Installed:	1984-01-01 00:00:00
Pipe Type:	Not reported
Delivery System:	SUCTION
Monitor Code:	10
UST Monitor Method:	SW TANK DW PRESSURE PIPE W/POS SHUTOFF LLD W/DAILY RECONCILE OR WEEKLY GAUGE: TNK TEST ANN, PIPE TEST ANN 0.1 GAL/HR OR MO 0.2 GAL/HR

CERS HAZ WASTE:

Name:	AIRGAS USA, LLC # 84
Address:	1415 GRAND AVE
City,State,Zip:	SAN MARCOS, CA 92078
Site ID:	384408
CERS ID:	10146113
CERS Description:	Hazardous Waste Generator

HIST UST:

Name:	L AND V INDUSTRIAL SUPPLY INC
Address:	1415 GRAND AVE
City,State,Zip:	SAN MARCOS, CA 92069
File Number:	0002B615
URL:	http://geotracker.waterboards.ca.gov/ustpdfs/pdf/0002B615.pdf
Region:	Not reported
Facility ID:	Not reported
Facility Type:	Not reported
Other Type:	Not reported

L AND V INDUSTRIAL SUPPLY INC (Continued) **S104745513**

Contact Name:	Not reported
Telephone:	Not reported
Owner Name:	Not reported
Owner Address:	Not reported
Owner City,St,Zip:	Not reported
Total Tanks:	Not reported
Tank Num:	Not reported
Container Num:	Not reported
Year Installed:	Not reported
Tank Capacity:	Not reported
Tank Used for:	Not reported
Type of Fuel:	Not reported
Container Construction Thickness:	Not reported
Leak Detection:	Not reported

Click here for Geo Tracker PDF:

CORTESE:

Name:	AIR PRODUCTS & CHEMICALS INC
Address:	1415 GRAND AV
City,State,Zip:	SAN MARCOS, CA 920692405
Region:	CORTESE
Envirostor Id:	Not reported
Global ID:	T0607300476
Site/Facility Type:	LUST CLEANUP SITE
Cleanup Status:	COMPLETED - CASE CLOSED
Status Date:	Not reported
Site Code:	Not reported
Latitude:	Not reported
Longitude:	Not reported
Owner:	Not reported
Enf Type:	Not reported
Swat R:	Not reported
Flag:	active
Order No:	Not reported
Waste Discharge System No:	Not reported
Effective Date:	Not reported
Region 2:	Not reported
WID Id:	Not reported
Solid Waste Id No:	Not reported
Waste Management Uit Name:	Not reported
File Name:	Active Open

HAZNET:

Name:	AIRGAS USA LLC
Address:	1415 GRAND AVE
Address 2:	Not reported
City,State,Zip:	SAN MARCOS, CA 92078
Contact:	MICHAEL KRUG
Telephone:	5623513374
Mailing Name:	Not reported
Mailing Address:	8832 DICE RD.
Year:	2021
Gepaid:	CAL000401984

L AND V INDUSTRIAL SUPPLY INC (Continued) **S104745513**

TSD EPA ID:	NED981723513
CA Waste Code:	331 - Off-specification, aged or surplus organics
Disposal Method:	H040 - Incineration--Thermal Destruction Other Than Use As A Fuel
Tons:	0.3325
Year:	2021
Gepaid:	CAL000401984
TSD EPA ID:	UTD991301748
CA Waste Code:	331 - Off-specification, aged or surplus organics
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.5
Year:	2020
Gepaid:	CAL000401984
TSD EPA ID:	CAD044429835
CA Waste Code:	181 - Other inorganic solid waste
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.0075
Year:	2018
Gepaid:	CAL000401984
TSD EPA ID:	INR000127621
CA Waste Code:	291 - Latex waste
Disposal Method:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Tons:	0.30008
Year:	2018
Gepaid:	CAL000401984
TSD EPA ID:	ARD981057870
CA Waste Code:	352 - Other organic solids
Disposal Method:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Tons:	0.04050
Year:	2017
Gepaid:	CAL000401984
TSD EPA ID:	ARD981057870
CA Waste Code:	352 - Other organic solids
Disposal Method:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Tons:	0.035
Year:	2017
Gepaid:	CAL000401984
TSD EPA ID:	INR000127621
CA Waste Code:	291 - Latex waste
Disposal Method:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Tons:	0.0834
Year:	2016
Gepaid:	CAL000401984
TSD EPA ID:	ARD981057870
CA Waste Code:	352 - Other organic solids
Disposal Method:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Tons:	0.05
Year:	2015

L AND V INDUSTRIAL SUPPLY INC (Continued) **S104745513**

Gepaid:	CAL000401984
TSD EPA ID:	TXD055135388
CA Waste Code:	-
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.1175
Year:	2015
Gepaid:	CAL000401984
TSD EPA ID:	ARD981057870
CA Waste Code:	352 - Other organic solids
Disposal Method:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Tons:	0.085

Click this hyperlink while viewing on your computer to access additional CA HAZNET: detail in the EDR Site Report.

Detail Two:

Year:	2020
EM Manifest ID:	1063926
Shipment Date:	1/31/2020
Receipt Date:	2/12/2020
Manifest Number:	014237235FLE
Generator EPA ID:	CAL000401984
Name:	AIRGAS USA LLC
Address:	1415 GRAND AVE
Address 2:	Not reported
City:	SAN MARCOS
Zip:	92078
Telephone:	800-483-3718
Contact:	Fernando Anzaldua
Contact Telephone:	760-744-1472
Transporter 1 EPA ID:	MAD039322250
Transporter 1 Emergency Number:	Not reported
Transporter 2 EPA ID:	MAD039322250
Transporter 2 Emergency Number:	Not reported
TSDF EPA ID:	CAD044429835
TSDF Name:	Clean Harbors Wilmington LLC
TSDF Address 1:	1737 East Denni Street
TSDF Address 2:	Not reported
TSDF City:	Wilmington
TSDF Zip:	90744
TSDF Telephone:	800-483-3718

Federal:

Year:	2020
EM Manifest ID:	1063926
Generator EPA ID:	CAL000401984
Shipment Date:	2020-01-31
Manifest Number:	014237235FLE
Line Number:	1
Method Code:	H141
Quantity Tons:	0.00750
Quantity Waste:	15.000000
Quantity Unit:	P
Number of Containers:	1

L AND V INDUSTRIAL SUPPLY INC (Continued) **S104745513**

Type of Container: Fiberboard or plastic drums, barrels, kegs
Quantity Type: Pounds
Federal Code: D009

State:
Year: 2020
EM Manifest ID: 1063926
Generator EPA ID: CAL000401984
Shipment Date: 2020-01-31
Manifest Number: 014237235FLE
Line Number: 1
Method Code: H141
Quantity Tons: 0.00750
Quantity Waste: 15.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: Fiberboard or plastic drums, barrels, kegs
Quantity Type: Pounds
State Code: 181

Detail Two:
Year: 2018
EM Manifest ID: 017198070JJK20180508_D_1
Shipment Date: 5/8/2018
Receipt Date: 5/29/2018
Manifest Number: 017198070JJK
Generator EPA ID: CAL000401984
Name: AIRGAS USA LLC
Address: Not reported
Address 2: Not reported
City: Not reported
Zip: Not reported
Telephone: Not reported
Contact: Not reported
Contact Telephone: Not reported
Transporter 1 EPA ID: CAR000179747
Transporter 1 Emergency Number: Not reported
Transporter 2 EPA ID: CAD982523433
Transporter 2 Emergency Number: Not reported
TSDF EPA ID: INR000127621
TSDF Name: COVANTA ENVIRONMENTAL SOLUTIONS LLC
TSDF Address 1: Not reported
TSDF Address 2: Not reported
TSDF City: Not reported
TSDF Zip: Not reported
TSDF Telephone: Not reported

State:
Year: 2018
EM Manifest ID: 017198070JJK20180508_D_1
Generator EPA ID: CAL000401984
Shipment Date: 2018-05-08
Manifest Number: 017198070JJK
Line Number: 1
Method Code: H061
Quantity Tons: 0.20000

L AND V INDUSTRIAL SUPPLY INC (Continued) **S104745513**

Quantity Waste:	400.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
State Code:	291

Year:	2018
EM Manifest ID:	017198037JJK20180504_D_1
Shipment Date:	5/4/2018
Receipt Date:	6/2/2018
Manifest Number:	017198037JJK
Generator EPA ID:	CAL000401984
Name:	AIRGAS USA LLC
Address:	Not reported
Address 2:	Not reported
City:	Not reported
Zip:	Not reported
Telephone:	Not reported
Contact:	Not reported
Contact Telephone:	Not reported
Transporter 1 EPA ID:	CAR000179747
Transporter 1 Emergency Number:	Not reported
Transporter 2 EPA ID:	CAD982523433
Transporter 2 Emergency Number:	Not reported
TSDF EPA ID:	ARD981057870
TSDF Name:	RINECO
TSDF Address 1:	Not reported
TSDF Address 2:	Not reported
TSDF City:	Not reported
TSDF Zip:	Not reported
TSDF Telephone:	Not reported

Federal:

Year:	2018
EM Manifest ID:	017198037JJK20180504_D_1
Generator EPA ID:	CAL000401984
Shipment Date:	2018-05-04
Manifest Number:	017198037JJK
Line Number:	1
Method Code:	H061
Quantity Tons:	0.04050
Quantity Waste:	81.000000
Quantity Unit:	P
Number of Containers:	2
Type of Container:	NULL
Quantity Type:	NULL
Federal Code:	D001

Year:	2018
EM Manifest ID:	017198037JJK20180504_D_1
Generator EPA ID:	CAL000401984
Shipment Date:	2018-05-04
Manifest Number:	017198037JJK
Line Number:	1
Method Code:	H061
Quantity Tons:	0.04050

L AND V INDUSTRIAL SUPPLY INC (Continued) **S104745513**

Quantity Waste: 81.000000
Quantity Unit: P
Number of Containers: 2
Type of Container: NULL
Quantity Type: NULL
Federal Code: D035

State:
Year: 2018
EM Manifest ID: 017198037JJK20180504_D_1
Generator EPA ID: CAL000401984
Shipment Date: 2018-05-04
Manifest Number: 017198037JJK
Line Number: 1
Method Code: H061
Quantity Tons: 0.04050
Quantity Waste: 81.000000
Quantity Unit: P
Number of Containers: 2
Type of Container: NULL
Quantity Type: NULL
State Code: 352

Year: 2018
EM Manifest ID: 017198038JJK20180504_D_1
Shipment Date: 5/4/2018
Receipt Date: 5/29/2018
Manifest Number: 017198038JJK
Generator EPA ID: CAL000401984
Name: AIRGAS USA LLC
Address: Not reported
Address 2: Not reported
City: Not reported
Zip: Not reported
Telephone: Not reported
Contact: Not reported
Contact Telephone: Not reported
Transporter 1 EPA ID: CAR000179747
Transporter 1 Emergency Number: Not reported
Transporter 2 EPA ID: CAD982523433
Transporter 2 Emergency Number: Not reported
TSDF EPA ID: INR000127621
TSDF Name: COVANTA ENVIRONMENTAL SOLUTIONS LLC
TSDF Address 1: Not reported
TSDF Address 2: Not reported
TSDF City: Not reported
TSDF Zip: Not reported
TSDF Telephone: Not reported

State:
Year: 2018
EM Manifest ID: 017198038JJK20180504_D_1
Generator EPA ID: CAL000401984
Shipment Date: 2018-05-04
Manifest Number: 017198038JJK
Line Number: 1

L AND V INDUSTRIAL SUPPLY INC (Continued) **S104745513**

Method Code:	H061
Quantity Tons:	0.10008
Quantity Waste:	24.000000
Quantity Unit:	G
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
State Code:	291

Year:	2018
EM Manifest ID:	017200228JJK20170405_D_1
Shipment Date:	4/5/2017
Receipt Date:	4/18/2017
Manifest Number:	017200228JJK
Generator EPA ID:	CAL000401984
Name:	AIRGAS USA LLC
Address:	Not reported
Address 2:	Not reported
City:	Not reported
Zip:	Not reported
Telephone:	Not reported
Contact:	Not reported
Contact Telephone:	Not reported
Transporter 1 EPA ID:	CAR000179747
Transporter 1 Emergency Number:	Not reported
Transporter 2 EPA ID:	CAD982523433
Transporter 2 Emergency Number:	Not reported
TSDF EPA ID:	ARD981057870
TSDF Name:	RINECO
TSDF Address 1:	Not reported
TSDF Address 2:	Not reported
TSDF City:	Not reported
TSDF Zip:	Not reported
TSDF Telephone:	Not reported

Federal:

Year:	2018
EM Manifest ID:	017200228JJK20170405_D_1
Generator EPA ID:	CAL000401984
Shipment Date:	2017-04-05
Manifest Number:	017200228JJK
Line Number:	1
Method Code:	H061
Quantity Tons:	0.03500
Quantity Waste:	70.000000
Quantity Unit:	P
Number of Containers:	2
Type of Container:	NULL
Quantity Type:	NULL
Federal Code:	D001

Year:	2018
EM Manifest ID:	017200228JJK20170405_D_1
Generator EPA ID:	CAL000401984
Shipment Date:	2017-04-05
Manifest Number:	017200228JJK
Line Number:	1

L AND V INDUSTRIAL SUPPLY INC (Continued) **S104745513**

Method Code:	H061
Quantity Tons:	0.03500
Quantity Waste:	70.000000
Quantity Unit:	P
Number of Containers:	2
Type of Container:	NULL
Quantity Type:	NULL
Federal Code:	D035

State:

Year:	2018
EM Manifest ID:	017200228JJK20170405_D_1
Generator EPA ID:	CAL000401984
Shipment Date:	2017-04-05
Manifest Number:	017200228JJK
Line Number:	1
Method Code:	H061
Quantity Tons:	0.03500
Quantity Waste:	70.000000
Quantity Unit:	P
Number of Containers:	2
Type of Container:	NULL
Quantity Type:	NULL
State Code:	352

Year:	2018
EM Manifest ID:	017200229JJK20170405_D_1
Shipment Date:	4/5/2017
Receipt Date:	4/17/2017
Manifest Number:	017200229JJK
Generator EPA ID:	CAL000401984
Name:	AIRGAS USA LLC
Address:	Not reported
Address 2:	Not reported
City:	Not reported
Zip:	Not reported
Telephone:	Not reported
Contact:	Not reported
Contact Telephone:	Not reported
Transporter 1 EPA ID:	CAR000179747
Transporter 1 Emergency Number:	Not reported
Transporter 2 EPA ID:	CAD982523433
Transporter 2 Emergency Number:	Not reported
TSDF EPA ID:	INR000127621
TSDF Name:	ADVANCED WASTE SERVICES OF INDIANA LLC
TSDF Address 1:	Not reported
TSDF Address 2:	Not reported
TSDF City:	Not reported
TSDF Zip:	Not reported
TSDF Telephone:	Not reported

State:

Year:	2018
EM Manifest ID:	017200229JJK20170405_D_1
Generator EPA ID:	CAL000401984
Shipment Date:	2017-04-05

L AND V INDUSTRIAL SUPPLY INC (Continued) **S104745513**

Manifest Number:	017200229JJK
Line Number:	1
Method Code:	H061
Quantity Tons:	0.08340
Quantity Waste:	20.000000
Quantity Unit:	G
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
State Code:	291

Additional Info:

Year:	2017
Gen EPA ID:	CAL000401984
Shipment Date:	20170405
Creation Date:	7/18/2018 18:30:10
Receipt Date:	20170417
Manifest ID:	017200229JJK
Trans EPA ID:	CAR000179747
Trans Name:	INGENIUM (ESCONDIDO)
Trans 2 EPA ID:	CAD982523433
Trans 2 Name:	DILLARD ENVIRONMENTAL SERVICES
TSDF EPA ID:	INR000127621
Trans Name:	ADVANCED WASTE SERVICES OF INDIANA LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	291 - Latex waste
RCRA Code:	Not reported
Meth Code:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Quantity Tons:	0.0834
Waste Quantity:	20
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20170405
Creation Date:	5/12/2018 18:30:23
Receipt Date:	20170418
Manifest ID:	017200228JJK
Trans EPA ID:	CAR000179747
Trans Name:	INGENIUM (ESCONDIDO)
Trans 2 EPA ID:	CAD982523433
Trans 2 Name:	DILLARD ENVIRONMENTAL SERVICES
TSDF EPA ID:	ARD981057870
Trans Name:	RINECO
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	D035
Meth Code:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Quantity Tons:	0.035
Waste Quantity:	70

L AND V INDUSTRIAL SUPPLY INC (Continued) **S104745513**

Quantity Unit:	P
Additional Code 1:	D001
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2016
Gen EPA ID:	CAL000401984
Shipment Date:	20151103
Creation Date:	5/19/2016 18:30:27
Receipt Date:	20151124
Manifest ID:	013724971JJK
Trans EPA ID:	CAR000179747
Trans Name:	INGENIUM (ESCONDIDO)
Trans 2 EPA ID:	CAD982523433
Trans 2 Name:	DILLARD ENVIRONMENTAL SERVICES
TSDF EPA ID:	ARD981057870
Trans Name:	RINECO
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	D035
Meth Code:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Quantity Tons:	0.04
Waste Quantity:	80
Quantity Unit:	P
Additional Code 1:	D001
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20150420
Creation Date:	11/3/2015 22:15:10
Receipt Date:	20150507
Manifest ID:	014133875JJK
Trans EPA ID:	CAR000179747
Trans Name:	INGENIUM (ESCONDIDO)
Trans 2 EPA ID:	CAD982523433
Trans 2 Name:	DILLARD ENVIRONMENTAL SERVICES
TSDF EPA ID:	ARD981057870
Trans Name:	RINECO
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	D035
Meth Code:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Quantity Tons:	0.045
Waste Quantity:	90
Quantity Unit:	P
Additional Code 1:	D001
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported

L AND V INDUSTRIAL SUPPLY INC (Continued) **S104745513**

Additional Code 5:	Not reported
Shipment Date:	20150408
Creation Date:	9/22/2015 22:15:36
Receipt Date:	20150421
Manifest ID:	014166518JJK
Trans EPA ID:	ILD981957236
Trans Name:	SET ENVIRONMENTAL INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	TXD055135388
Trans Name:	SET ENVIRONMENTAL INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	- Not reported
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.01
Waste Quantity:	20
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20150408
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	014166518JJK
Trans EPA ID:	ILD981957236
Trans Name:	SET ENVIRONMENTAL INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	TXD055135388
Trans Name:	SET ENVIRONMENTAL INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	- Not reported
RCRA Code:	D001
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0075
Waste Quantity:	15
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20150408
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	014166518JJK
Trans EPA ID:	ILD981957236

L AND V INDUSTRIAL SUPPLY INC (Continued) **S104745513**

Trans Name:	SET ENVIRONMENTAL INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	TXD055135388
Trans Name:	SET ENVIRONMENTAL INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	- Not reported
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0425
Waste Quantity:	85
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20150408
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	014166518JJK
Trans EPA ID:	ILD981957236
Trans Name:	SET ENVIRONMENTAL INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	TXD055135388
Trans Name:	SET ENVIRONMENTAL INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	- Not reported
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.195
Waste Quantity:	390
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20150408
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	014166518JJK
Trans EPA ID:	ILD981957236
Trans Name:	SET ENVIRONMENTAL INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	TXD055135388
Trans Name:	SET ENVIRONMENTAL INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported

L AND V INDUSTRIAL SUPPLY INC (Continued) **S104745513**

Waste Code Description:	- Not reported
RCRA Code:	D001
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.075
Waste Quantity:	150
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20150408
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	014166518JJK
Trans EPA ID:	ILD981957236
Trans Name:	SET ENVIRONMENTAL INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	TXD055135388
Trans Name:	SET ENVIRONMENTAL INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	- Not reported
RCRA Code:	D001
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0375
Waste Quantity:	75
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20150408
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	014166518JJK
Trans EPA ID:	ILD981957236
Trans Name:	SET ENVIRONMENTAL INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	TXD055135388
Trans Name:	SET ENVIRONMENTAL INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	- Not reported
RCRA Code:	D001
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.015
Waste Quantity:	30
Quantity Unit:	P

L AND V INDUSTRIAL SUPPLY INC (Continued) **S104745513**

Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20150408
Creation Date:	9/22/2015 22:15:36
Receipt Date:	20150421
Manifest ID:	014166518JJK
Trans EPA ID:	ILD981957236
Trans Name:	SET ENVIRONMENTAL INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	TXD055135388
Trans Name:	SET ENVIRONMENTAL INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	- Not reported
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.02
Waste Quantity:	40
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2015
Gen EPA ID:	CAL000401984
Shipment Date:	20151103
Creation Date:	5/19/2016 18:30:27
Receipt Date:	20151124
Manifest ID:	013724971JJK
Trans EPA ID:	CAR000179747
Trans Name:	INGENIUM (ESCONDIDO)
Trans 2 EPA ID:	CAD982523433
Trans 2 Name:	DILLARD ENVIRONMENTAL SERVICES
TSDF EPA ID:	ARD981057870
Trans Name:	RINECO
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	D035
Meth Code:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Quantity Tons:	0.04
Waste Quantity:	80
Quantity Unit:	P
Additional Code 1:	D001
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported

L AND V INDUSTRIAL SUPPLY INC (Continued) **S104745513**

Additional Code 5:	Not reported
Shipment Date:	20150420
Creation Date:	11/3/2015 22:15:10
Receipt Date:	20150507
Manifest ID:	014133875JJK
Trans EPA ID:	CAR000179747
Trans Name:	INGENIUM (ESCONDIDO)
Trans 2 EPA ID:	CAD982523433
Trans 2 Name:	DILLARD ENVIRONMENTAL SERVICES
TSDF EPA ID:	ARD981057870
Trans Name:	RINECO
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	D035
Meth Code:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Quantity Tons:	0.045
Waste Quantity:	90
Quantity Unit:	P
Additional Code 1:	D001
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20150408
Creation Date:	9/22/2015 22:15:36
Receipt Date:	20150421
Manifest ID:	014166518JJK
Trans EPA ID:	ILD981957236
Trans Name:	SET ENVIRONMENTAL INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	TXD055135388
Trans Name:	SET ENVIRONMENTAL INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	- Not reported
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.01
Waste Quantity:	20
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20150408
Creation Date:	9/22/2015 22:15:36
Receipt Date:	20150421
Manifest ID:	014166518JJK
Trans EPA ID:	ILD981957236
Trans Name:	SET ENVIRONMENTAL INC

L AND V INDUSTRIAL SUPPLY INC (Continued) **S104745513**

Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	TXD055135388
Trans Name:	SET ENVIRONMENTAL INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	- Not reported
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.025
Waste Quantity:	50
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20150408
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	014166518JJK
Trans EPA ID:	ILD981957236
Trans Name:	SET ENVIRONMENTAL INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	TXD055135388
Trans Name:	SET ENVIRONMENTAL INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	- Not reported
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.195
Waste Quantity:	390
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20150408
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	014166518JJK
Trans EPA ID:	ILD981957236
Trans Name:	SET ENVIRONMENTAL INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	TXD055135388
Trans Name:	SET ENVIRONMENTAL INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	- Not reported

L AND V INDUSTRIAL SUPPLY INC (Continued) **S104745513**

RCRA Code:	D001
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.075
Waste Quantity:	150
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20150408
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	014166518JJK
Trans EPA ID:	ILD981957236
Trans Name:	SET ENVIRONMENTAL INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	TXD055135388
Trans Name:	SET ENVIRONMENTAL INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	- Not reported
RCRA Code:	D001
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0375
Waste Quantity:	75
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20150408
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	014166518JJK
Trans EPA ID:	ILD981957236
Trans Name:	SET ENVIRONMENTAL INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	TXD055135388
Trans Name:	SET ENVIRONMENTAL INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	- Not reported
RCRA Code:	D001
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.015
Waste Quantity:	30
Quantity Unit:	P
Additional Code 1:	Not reported

L AND V INDUSTRIAL SUPPLY INC (Continued) **S104745513**

Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20150408
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	014166518JJK
Trans EPA ID:	ILD981957236
Trans Name:	SET ENVIRONMENTAL INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	TXD055135388
Trans Name:	SET ENVIRONMENTAL INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	- Not reported
RCRA Code:	D001
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0075
Waste Quantity:	15
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20150408
Creation Date:	9/22/2015 22:15:36
Receipt Date:	20150421
Manifest ID:	014166518JJK
Trans EPA ID:	ILD981957236
Trans Name:	SET ENVIRONMENTAL INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	TXD055135388
Trans Name:	SET ENVIRONMENTAL INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	- Not reported
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.02
Waste Quantity:	40
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

HIST CORTESE:
edr_fname: AIR PRODUCTS AND CHEMICAL

L AND V INDUSTRIAL SUPPLY INC (Continued) **S104745513**

edr_fadd1: 1415 GRAND
City,State,Zip: SAN MARCOS, CA 92069
Region: CORTESE
Facility County Code: 37
Reg By: LTNKA
Reg Id: 9UT1661

CERS:
Name: AIR PRODUCTS & CHEMICALS INC
Address: 1415 GRAND AV
City,State,Zip: SAN MARCOS, CA 920692405
Site ID: 214547
CERS ID: T0607300476
CERS Description: Leaking Underground Storage Tank Cleanup Site

HWTS:
Name: AIRGAS USA LLC
Address: 1415 GRAND AVE
Address 2: Not reported
City,State,Zip: SAN MARCOS, CA 92078
EPA ID: CAL000401984
Inactive Date: Not reported
Create Date: 11/05/2014
Last Act Date: Not reported
Mailing Name: Not reported
Mailing Address: 8832 DICE RD.
Mailing Address 2: Not reported
Mailing City,State,Zip: SANTA FE SPRINGS, CA 90670
Owner Name: AIRGAS USA, LLC
Owner Address: 3737 WORSHAM AVE
Owner Address 2: Not reported
Owner City,State,Zip: LONG BEACH, CA 908080000
Contact Name: MICHAEL KRUG
Contact Address: 8832 DICE RD.
Contact Address 2: Not reported
City,State,Zip: SANTA FE SPRINGS, CA 90670
Facility Status: Active
Facility Type: PERMANENT
Category: STATE
Latitude: 33.143382
Longitude: -117.1944045

NAICS:
EPA ID: CAL000401984
Create Date: 2014-11-05 10:07:27.663
NAICS Code: 42269
NAICS Description: Other Chemical and Allied Products Wholesalers
Issued EPA ID Date: 2014-11-05 10:07:27.66000
Inactive Date: 2020-06-30 00:00:00
Facility Name: AIRGAS USA LLC
Facility Address: 1415 GRAND AVE
Facility Address 2: Not reported
Facility City: SAN MARCOS
Facility County: Not reported
Facility State: CA
Facility Zip: 92078

AE182 **ABANDONED GASOLINE STATION** **LUST** **S100731728**
ESE **670 SAM MARCOS BLVD W** **N/A**
1/4-1/2 **SAN MARCOS, CA 92069**
0.405 mi.
2137 ft. **Site 3 of 5 in cluster AE**

Relative: LUST REG 9:
Higher

Actual: Region: 9
554 ft. Status: Preliminary site assessment workplan submitted
Case Number: 9UT4084
Local Case: H20796-001
Substance: Waste Oil
Qty Leaked: Not reported
Abate Method: Not reported
Local Agency: San Diego
How Found: Tank Closure
How Stopped: Close Tank
Source: Unknown
Cause: Unknown
Lead Agency: Local Agency
Case Type: Soil only
Date Found: 05/04/1987
Date Stopped: 05/04/1987
Confirm Date: / /
Submit Workplan: 9/6/00
Prelim Assess: / /
Desc Pollution: Not reported
Remed Plan: / /
Remed Action: Not reported
Began Monitor: Not reported
Release Date: 09/06/2000
Enforce Date: Not reported
Closed Date: Not reported
Enforce Type: Not reported
Pilot Program: LOP
Basin Number: 904.52
GW Depth: Not reported
Beneficial Use: MUNBU
NPDES Number: Not reported
Priority: Not reported
File Dispn: Administratively opened on database, however no file physically exists
Interim Remedial Actions: Not reported
Cleanup and Abatement order Number: Not reported
Waste Discharge Requirement Number: Not reported

AG183 **MASHBURN WASTE** **LUST** **S104406486**
NNW **224 LAS POSAS RD S** **N/A**
1/4-1/2 **SAN MARCOS, CA 92069**
0.412 mi.
2175 ft. **Site 3 of 3 in cluster AG**

Relative: LUST REG 9:
Higher

Actual: Region: 9
560 ft. Status: Preliminary site assessment workplan submitted
Case Number: 9UT3726
Local Case: H10646-004
Substance: Diesel
Qty Leaked: 0
Abate Method: Not reported
Local Agency: San Diego

MASHBURN WASTE (Continued) **S104406486**

How Found:	Other Means
How Stopped:	Other Means
Source:	Piping
Cause:	Unknown
Lead Agency:	Local Agency
Case Type:	Other ground water affected
Date Found:	09/09/1998
Date Stopped:	09/09/1998
Confirm Date:	09/09/1998
Submit Workplan:	9/30/98
Prelim Assess:	/ /
Desc Pollution:	Not reported
Remed Plan:	/ /
Remed Action:	Not reported
Began Monitor:	Not reported
Release Date:	09/09/1998
Enforce Date:	9/30/98
Closed Date:	Not reported
Enforce Type:	SEL
Pilot Program:	LOP
Basin Number:	904.52
GW Depth:	Not reported
Beneficial Use:	MUNBU
NPDES Number:	Not reported
Priority:	3A
File Dispn:	Administratively opened on database, however no file physically exists
Interim Remedial Actions:	Not reported
Cleanup and Abatement order Number:	Not reported
Waste Discharge Requirement Number:	Not reported

AE184 **TEXACO** **LUST** **S104406448**
ESE **615 SAN MARCOS BLVD W** **N/A**
1/4-1/2 **SAN MARCOS, CA 92069**
0.428 mi.
2261 ft. **Site 4 of 5 in cluster AE**

Relative: **Higher**

Actual: **554 ft.**

LUST REG 9:

Region:	9
Status:	Preliminary site assessment underway
Case Number:	9UT2313
Local Case:	H13262-003
Substance:	Unleaded Gasoline
Qty Leaked:	0
Abate Method:	Not reported
Local Agency:	San Diego
How Found:	Subsurface Monitoring
How Stopped:	Not reported
Source:	Piping
Cause:	Unknown
Lead Agency:	Local Agency
Case Type:	Aquifer affected
Date Found:	06/30/1992
Date Stopped:	09/10/1992
Confirm Date:	06/30/1992
Submit Workplan:	Not reported
Prelim Assess:	01/26/1993
Desc Pollution:	Not reported
Remed Plan:	/ /

TEXACO (Continued) **S104406448**

Remed Action:	Not reported
Began Monitor:	Not reported
Release Date:	01/26/1993
Enforce Date:	Not reported
Closed Date:	Not reported
Enforce Type:	Not reported
Pilot Program:	LOP
Basin Number:	904.52
GW Depth:	Not reported
Beneficial Use:	Municipal groundwater use
NPDES Number:	Not reported
Priority:	1A
File Dispn:	Not reported
Interim Remedial Actions:	No
Cleanup and Abatement order Number:	Not reported
Waste Discharge Requirement Number:	Not reported

AE185 **TEXACO** **HIST CORTESE** **S104575937**
ESE **615 SAN MARCOS** **N/A**
1/4-1/2 **SAN MARCOS, CA 92069**
0.428 mi.
2261 ft. **Site 5 of 5 in cluster AE**

Relative: **Higher**
Actual: **554 ft.**

HIST CORTESE:

edr_fname:	FORMER TEXACO/EXXON SERV.
edr_fadd1:	615 SAN MARCOS
City,State,Zip:	SAN MARCOS, CA 92069
Region:	CORTESE
Facility County Code:	37
Reg By:	LTNKA
Reg Id:	9UT174

edr_fname:	TEXACO
edr_fadd1:	615 SAN MARCOS
City,State,Zip:	SAN MARCOS, CA 92069
Region:	CORTESE
Facility County Code:	37
Reg By:	LTNKA
Reg Id:	9UT2313

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186 **SAN MARCOS TEXACO** **LUST** **S122356354**
ESE **583 GRAND AVE** **Cortese** **N/A**
1/4-1/2 **SAN MARCOS, CA 92078**
0.442 mi.
2336 ft.

Relative: **Higher**
Actual: **549 ft.**

LUST:

Name:	SAN MARCOS TEXACO
Address:	583 GRAND AVE
City,State,Zip:	SAN MARCOS, CA 92078
Lead Agency:	SAN DIEGO COUNTY LOP
Case Type:	LUST Cleanup Site
Geo Track:	http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0607300537
Global Id:	T0607300537
Latitude:	33.1372832947297
Longitude:	-117.177265609796

SAN MARCOS TEXACO (Continued) **S122356354**

Status:	Completed - Case Closed
Status Date:	11/21/2019
Case Worker:	JC
RB Case Number:	9UT174
Local Agency:	SAN DIEGO COUNTY LOP
File Location:	Local Agency
Local Case Number:	H13262-001
Potential Media Affect:	Aquifer used for drinking water supply
Potential Contaminants of Concern:	Gasoline
Site History:	The Site is located on the southwest corner of the intersection of San Marcos Boulevard and the southbound entrance ramp to State Route 78. The Site was occupied by gasoline service stations from the early 1950s until December 1993, and both Exxon Company U.S.A. (Exxon) and Texaco Refining and Marketing, Incorporated (Texaco) have operated gasoline service stations at the Site. The Site and surrounding area were redeveloped as a shopping center in 2004. Since then, an In-N-Out Burger restaurant has operated on-site. Local Oversight Program Case H13262-001 was opened in August 1986 based on a failed underground storage tank integrity test. In September 1986, hydrocarbon vapors were reported by Pacific Bell workers during excavation work adjacent to the Site service station. Three soil borings were advanced and converted into monitoring wells. Borings B-1 and B-3 were drilled adjacent to the underground storage tanks and B-2 was drilled near the product pipelines at the northern edge of the property. Hydrocarbons were found in the soil and groundwater in all three locations. Between October 27 and 31, 1986, eight additional borings (B-4 through B-11) were drilled to depths of 28 to 36 feet and completed as groundwater monitoring wells. Free product was observed in wells B-2, B-3, B-4, and B-6. A product recovery system was installed in November and became operational in December 1986. A Liquid Phase Hydrocarbon (LPH) recovery system, consisting of product recovery pumps and vapor purge equipment in wells B-2, B-3, and B-4, and a 3,200-gallon aboveground LPH recovery (Baker) tank, was operational by December 8, 1986. The LPH recovery system was suspended in March 1987 owing to problems associated with the storage of recovered LPH in the aboveground tank. Some 400 gallons of LPH had been removed by this time. A modified product recovery system began operating on December 22, 1987. This system utilized equipment similar to that originally installed with the exception that an underground storage tank was installed to receive fluids discharged from the extraction wells, and in December 1989 the product recovery pumps were modified to discharge total fluids. Approximately 103 gallons of additional free product were recovered as of May 1991. Dating from the fourth quarter 1991 until the product recovery system was decommissioned on December 8, 1993, the system was operated in tandem with hand bailing free product during scheduled monitoring and recovered an estimated 630 gallons of LPH. On January 7, 1994, the fiberglass fuel product lines, three steel 8,000-gallon gasoline underground storage tanks (USTs), and one 1,000-gallon waste oil tank were removed from the Site. Although the gasoline USTs were reportedly in good condition, water with free product was observed in the bottom of the excavation. Approximately 1,000 gallons of water with product were removed. The waste oil tank was observed to contain three small holes, but no discoloration or staining was reported in the surrounding soil. Approximately 6,800 cubic yards of soil (including the former UST and dispenser areas) was excavated from the Site in 1998 (of which 4,500 cubic yards were removed for off-site

SAN MARCOS TEXACO (Continued) **S122356354**

treatment and disposal), and 265,000 gallons of groundwater were removed for off-site treatment and disposal, as part of dewatering activities during the excavation. The total excavation depths ranged from 13 to 21 feet. Approximately 6.6 tons of magnesium peroxide were mixed with the excavation backfill material to stimulate and accelerate biodegradation of the remaining petroleum hydrocarbons. Between July and August 2016, on-site soil vapor monitoring wells SV-1, SV-3, SV-4, SV-5 and SV-6 were installed. Soil and soil vapor samples were collected from each well, as part of a human health vapor risk assessment (HHVRA). Soil samples were collected at approximately 5 feet below ground surface (bgs) while each well boring was advanced, and soil vapor samples were collected from vapor probes set at approximately 5 feet bgs during two separate events. Based on the findings from this HHVRA, there appears to be no vapor intrusion and exposure risk to Site occupants. A trend analysis was performed to estimate the time required for benzene concentrations in groundwater to reach the established drinking water Maximum Contaminant Level (MCL) of 1.0 a%g/L for benzene in wells MW-23 and MW-25. Based on decreasing trendlines, the estimate for benzene to reach the MCL s 2.2 years in MW-23 and 0.5 years in MW-25. MTBE is currently below its primary MCL of 13 a%g/l. Approximately 4,399 cubic yards of hydrocarbon-impacted soil with total petroleum hydrocarbon concentrations ≥100 mg/kg was estimated to remain, following the 1998 soil excavation at the Site. Remaining areas of impact outside the excavation footprint are mainly between approximately 8 and 17 feet bgs. This area of elevated historic impact is limited to the north by borings KB-11, KB-16 and KB-17; to the east by borings B6 and B13; to the south and southwest by borings B18 and B19; and to the west by boring B16. Samples collected below the excavation footprint prior to the 1998 excavation, along with floor samples collected during the excavation, indicate remaining impacts from the bottom of the excavation (approximately 15 to 18 feet bgs) to between 17 and 22 feet bgs. Remediation by Natural Attenuation (RNA) is currently active in remediating hydrocarbons present at the Site. The Site poses no significant risk to human health and meets the requirements of the Low-Threat UST Case Closure Policy (the Policy). The case was evaluated under the Policy. Current and historical soil and groundwater data indicate that the secondary source has been adequately removed and a stable to decreasing plume remains. DEH concurs that the case qualifies for a low-risk closure designation. Public notification was completed per the Policy. All monitoring wells associated with the case were destroyed under permit DEH2018-LMWP-003372. The closure of the case is based on the current use of the property as a commercial establishment. ANY CONTAMINATED SOIL EXCAVATED AS PART OF SUBSURFACE CONSTRUCTION WORK MUST BE MANAGED IN ACCORDANCE WITH THE LEGAL REQUIREMENTS AT THAT TIME. Any future development of the property may require reassessment to determine if the activities could result in a risk to public health.

LUST:

Global Id:	T0607300537
Contact Type:	Local Agency Caseworker
Contact Name:	JAMES CLAY
Organization Name:	SAN DIEGO COUNTY LOP
Address:	P.O. Box 129261
City:	San Diego
Email:	james.clay@sdcounty.ca.gov
Phone Number:	Not reported

SAN MARCOS TEXACO (Continued) **S122356354**

LUST:

Global Id:	T0607300537
Action Type:	ENFORCEMENT
Date:	08/05/2014
Action:	Technical Correspondence / Assistance / Other
Global Id:	T0607300537
Action Type:	ENFORCEMENT
Date:	08/17/2017
Action:	Technical Correspondence / Assistance / Other
Global Id:	T0607300537
Action Type:	ENFORCEMENT
Date:	12/27/2018
Action:	Technical Correspondence / Assistance / Other
Global Id:	T0607300537
Action Type:	ENFORCEMENT
Date:	11/21/2019
Action:	Closure/No Further Action Letter
Global Id:	T0607300537
Action Type:	ENFORCEMENT
Date:	10/01/2019
Action:	Technical Correspondence / Assistance / Other
Global Id:	T0607300537
Action Type:	Other
Date:	08/14/1986
Action:	Leak Reported
Global Id:	T0607300537
Action Type:	RESPONSE
Date:	10/04/2010
Action:	Site Assessment Report
Global Id:	T0607300537
Action Type:	REMEDIATION
Date:	04/14/1998
Action:	Excavation
Global Id:	T0607300537
Action Type:	REMEDIATION
Date:	10/01/1991
Action:	Free Product Removal
Global Id:	T0607300537
Action Type:	REMEDIATION
Date:	05/01/1998
Action:	Pump & Treat (P&T) Groundwater
Global Id:	T0607300537
Action Type:	REMEDIATION
Date:	12/22/1987
Action:	Free Product Removal
Global Id:	T0607300537

SAN MARCOS TEXACO (Continued) **S122356354**

Action Type: REMEDIATION
Date: 01/07/1994
Action: Free Product Removal

Global Id: T0607300537
Action Type: REMEDIATION
Date: 05/01/1998
Action: Excavation

Global Id: T0607300537
Action Type: REMEDIATION
Date: 12/01/1986
Action: Free Product Removal

Global Id: T0607300537
Action Type: ENFORCEMENT
Date: 08/14/1986
Action: Notice of Responsibility

Global Id: T0607300537
Action Type: ENFORCEMENT
Date: 08/25/2015
Action: Technical Correspondence / Assistance / Other

Global Id: T0607300537
Action Type: ENFORCEMENT
Date: 07/23/2014
Action: Technical Correspondence / Assistance / Other

Global Id: T0607300537
Action Type: ENFORCEMENT
Date: 05/12/2017
Action: Technical Correspondence / Assistance / Other

Global Id: T0607300537
Action Type: Other
Date: 08/14/1986
Action: Leak Began

Global Id: T0607300537
Action Type: RESPONSE
Date: 07/30/2009
Action: Monitoring Report - Semi-Annually

Global Id: T0607300537
Action Type: RESPONSE
Date: 01/30/2013
Action: Monitoring Report - Semi-Annually

Global Id: T0607300537
Action Type: RESPONSE
Date: 02/03/2011
Action: Site Assessment Report - Regulator Responded

Global Id: T0607300537
Action Type: RESPONSE
Date: 02/03/2011

SAN MARCOS TEXACO (Continued) **S122356354**

Action: Soil and Water Investigation Workplan - Regulator Responded

Global Id: T0607300537
Action Type: RESPONSE
Date: 03/16/2011
Action: Other Workplan - Regulator Responded

Global Id: T0607300537
Action Type: RESPONSE
Date: 12/24/2013
Action: Monitoring Report - Semi-Annually - Regulator Responded

Global Id: T0607300537
Action Type: RESPONSE
Date: 07/15/2014
Action: Other Report / Document - Regulator Responded

Global Id: T0607300537
Action Type: RESPONSE
Date: 12/16/2014
Action: Monitoring Report - Semi-Annually - Regulator Responded

Global Id: T0607300537
Action Type: RESPONSE
Date: 07/30/2014
Action: Monitoring Report - Quarterly - Regulator Responded

Global Id: T0607300537
Action Type: RESPONSE
Date: 06/24/2015
Action: Monitoring Report - Quarterly - Regulator Responded

Global Id: T0607300537
Action Type: RESPONSE
Date: 04/23/1997
Action: Other Workplan - Regulator Responded

Global Id: T0607300537
Action Type: RESPONSE
Date: 09/01/1992
Action: Well Installation Report - Regulator Responded

Global Id: T0607300537
Action Type: RESPONSE
Date: 11/22/1993
Action: Well Destruction Workplan - Regulator Responded

Global Id: T0607300537
Action Type: RESPONSE
Date: 03/21/2017
Action: Request for Closure - Regulator Responded

Global Id: T0607300537
Action Type: RESPONSE
Date: 11/17/2017
Action: Other Report / Document - Regulator Responded

SAN MARCOS TEXACO (Continued) **S122356354**

Global Id: T0607300537
Action Type: RESPONSE
Date: 06/07/1996
Action: Request for Closure - Regulator Responded

Global Id: T0607300537
Action Type: RESPONSE
Date: 11/11/2016
Action: Risk Assessment Report - Regulator Responded

Global Id: T0607300537
Action Type: RESPONSE
Date: 06/19/2017
Action: Request for Closure - Regulator Responded

Global Id: T0607300537
Action Type: ENFORCEMENT
Date: 07/08/2009
Action: Letter - Notice

Global Id: T0607300537
Action Type: ENFORCEMENT
Date: 01/30/2014
Action: Technical Correspondence / Assistance / Other

Global Id: T0607300537
Action Type: ENFORCEMENT
Date: 12/01/2017
Action: Technical Correspondence / Assistance / Other

Global Id: T0607300537
Action Type: Other
Date: 08/14/1986
Action: Leak Stopped

Global Id: T0607300537
Action Type: RESPONSE
Date: 07/30/2010
Action: Monitoring Report - Semi-Annually

Global Id: T0607300537
Action Type: RESPONSE
Date: 01/30/2012
Action: Monitoring Report - Semi-Annually

Global Id: T0607300537
Action Type: RESPONSE
Date: 07/30/2012
Action: Monitoring Report - Semi-Annually

Global Id: T0607300537
Action Type: RESPONSE
Date: 07/30/2016
Action: Monitoring Report - Semi-Annually

Global Id: T0607300537
Action Type: ENFORCEMENT

SAN MARCOS TEXACO (Continued) **S122356354**

Date: 03/19/2009
Action: Letter - Notice

Global Id: T0607300537
Action Type: ENFORCEMENT
Date: 12/06/2010
Action: Technical Correspondence / Assistance / Other

Global Id: T0607300537
Action Type: ENFORCEMENT
Date: 02/16/2011
Action: Technical Correspondence / Assistance / Other

Global Id: T0607300537
Action Type: ENFORCEMENT
Date: 11/25/2013
Action: Technical Correspondence / Assistance / Other

Global Id: T0607300537
Action Type: ENFORCEMENT
Date: 10/21/2013
Action: Meeting

Global Id: T0607300537
Action Type: ENFORCEMENT
Date: 04/29/2016
Action: Technical Correspondence / Assistance / Other

Global Id: T0607300537
Action Type: ENFORCEMENT
Date: 12/21/2016
Action: Technical Correspondence / Assistance / Other

Global Id: T0607300537
Action Type: RESPONSE
Date: 05/07/2009
Action: Sensitive Receptor Survey Report

Global Id: T0607300537
Action Type: RESPONSE
Date: 01/30/2010
Action: Monitoring Report - Semi-Annually

Global Id: T0607300537
Action Type: RESPONSE
Date: 07/30/2011
Action: Monitoring Report - Semi-Annually

Global Id: T0607300537
Action Type: RESPONSE
Date: 01/30/2016
Action: Monitoring Report - Semi-Annually

Global Id: T0607300537
Action Type: RESPONSE
Date: 01/30/2017
Action: Monitoring Report - Semi-Annually

SAN MARCOS TEXACO (Continued) **S122356354**

Global Id: T0607300537
Action Type: ENFORCEMENT
Date: 08/14/2008
Action: Technical Correspondence / Assistance / Other

Global Id: T0607300537
Action Type: ENFORCEMENT
Date: 02/15/2011
Action: Technical Correspondence / Assistance / Other

Global Id: T0607300537
Action Type: ENFORCEMENT
Date: 03/29/2011
Action: Technical Correspondence / Assistance / Other

Global Id: T0607300537
Action Type: ENFORCEMENT
Date: 07/31/2015
Action: Technical Correspondence / Assistance / Other

Global Id: T0607300537
Action Type: ENFORCEMENT
Date: 12/19/2014
Action: Technical Correspondence / Assistance / Other

Global Id: T0607300537
Action Type: Other
Date: 08/14/1986
Action: Leak Discovery

Global Id: T0607300537
Action Type: RESPONSE
Date: 01/30/2011
Action: Monitoring Report - Semi-Annually

Global Id: T0607300537
Action Type: RESPONSE
Date: 07/30/2013
Action: Monitoring Report - Semi-Annually

LUST:
Global Id: T0607300537
Status: Open - Case Begin Date
Status Date: 08/14/1986

Global Id: T0607300537
Status: Open - Verification Monitoring
Status Date: 07/01/1997

Global Id: T0607300537
Status: Open - Site Assessment
Status Date: 06/25/2013

Global Id: T0607300537
Status: Open - Eligible for Closure
Status Date: 11/12/2018

SAN MARCOS TEXACO (Continued) **S122356354**

Global Id: T0607300537
Status: Completed - Case Closed
Status Date: 11/21/2019

CORTESE:
Name: SAN MARCOS TEXACO
Address: 583 GRAND AVE
City,State,Zip: SAN MARCOS, CA 92078
Region: CORTESE
Envirostor Id: Not reported
Global ID: T0607300537
Site/Facility Type: LUST CLEANUP SITE
Cleanup Status: COMPLETED - CASE CLOSED
Status Date: Not reported
Site Code: Not reported
Latitude: Not reported
Longitude: Not reported
Owner: Not reported
Enf Type: Not reported
Swat R: Not reported
Flag: active
Order No: Not reported
Waste Discharge System No: Not reported
Effective Date: Not reported
Region 2: Not reported
WID Id: Not reported
Solid Waste Id No: Not reported
Waste Management Uit Name: Not reported
File Name: Active Open

AI187 **SAN MARCOS GAS** **LUST** **S106071324**
NNW **1290 W MISSION RD** **SAN DIEGO CO. SAM** **N/A**
1/4-1/2 **SAN MARCOS, CA 92069** **San Diego Co. HMMD**
0.490 mi. **CERS HAZ WASTE**
2585 ft. **Site 1 of 2 in cluster AI** **CERS TANKS**
SAN DIEGO CO LOP
Relative: Higher **CERS**

Actual: 581 ft.

LUST:
Name: SAN MARCOS GAS
Address: 1290 W MISSION RD
City,State,Zip: SAN MARCOS, CA 92069
Lead Agency: SAN DIEGO COUNTY LOP
Case Type: LUST Cleanup Site
Geo Track: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0607383730
Global Id: T0607383730
Latitude: 33.148608
Longitude: -117.188192
Status: Completed - Case Closed
Status Date: 07/15/2013
Case Worker: TVS
RB Case Number: Not reported
Local Agency: SAN DIEGO COUNTY LOP
File Location: Local Agency
Local Case Number: H25233-001
Potential Media Affect: Soil

SAN MARCOS GAS (Continued) **S106071324**

Potential Contaminants of Concern: Diesel, Ethylbenzene, Gasoline, MTBE / TBA / Other Fuel Oxygenates, Toluene, Xylene
Site History: Refer to "Site Maps/Documents" tab for Closure Letter/Summary

LUST:
Global Id: T0607383730
Contact Type: Local Agency Caseworker
Contact Name: TONY SAWYER
Organization Name: SAN DIEGO COUNTY LOP
Address: P.O. Box 129261
City: San Diego
Email: tony.sawyer@sdcounty.ca.gov
Phone Number: Not reported

LUST:
Global Id: T0607383730
Action Type: ENFORCEMENT
Date: 05/21/2010
Action: Letter - Notice

Global Id: T0607383730
Action Type: Other
Date: 03/18/2003
Action: Leak Began

Global Id: T0607383730
Action Type: Other
Date: 04/03/2003
Action: Leak Reported

Global Id: T0607383730
Action Type: ENFORCEMENT
Date: 04/15/2003
Action: Notice of Responsibility

Global Id: T0607383730
Action Type: ENFORCEMENT
Date: 07/09/2009
Action: Letter - Notice

Global Id: T0607383730
Action Type: ENFORCEMENT
Date: 01/20/2012
Action: Notification - Preclosure

Global Id: T0607383730
Action Type: RESPONSE
Date: 12/05/2006
Action: Preliminary Site Assessment Report - Regulator Responded

Global Id: T0607383730
Action Type: RESPONSE
Date: 12/05/2006
Action: Preliminary Site Assessment Report - Regulator Responded

Global Id: T0607383730
Action Type: Other

SAN MARCOS GAS (Continued) **S106071324**

Date: 03/18/2003
Action: Leak Stopped

Global Id: T0607383730
Action Type: ENFORCEMENT
Date: 05/10/2011
Action: Warning Letter

Global Id: T0607383730
Action Type: ENFORCEMENT
Date: 07/15/2013
Action: Closure/No Further Action Letter

Global Id: T0607383730
Action Type: Other
Date: 03/18/2003
Action: Leak Discovery

LUST:
Global Id: T0607383730
Status: Open - Case Begin Date
Status Date: 03/18/2003

Global Id: T0607383730
Status: Open - Site Assessment
Status Date: 04/15/2003

Global Id: T0607383730
Status: Open - Eligible for Closure
Status Date: 06/01/2013

Global Id: T0607383730
Status: Completed - Case Closed
Status Date: 07/15/2013

SAN DIEGO CO. SAM:
Name: SAN MARCOS GAS
Address: 1290 W MISSION RD
City,State,Zip: SAN MARCOS, CA 92069
Case Number: H25233-001
Agency: DEH Site Assessment & Mitigation
Funding: **LOP - State Fund**
Facility Type: GW With No Beneficial Use Designation
Facility Status: Preliminary Assessment
Date: 4/3/2003
Date Began: 3/18/2003

HMMD SAN DIEGO:
Name: LAS POSAS VENTURE, INC
Address: 1290 W MISSION RD
City,State,Zip: SAN MARCOS, CA 92069
Permit Number: Not reported
Business Type: Not reported
EPA Id Number: CAL000375415
APN: Not reported

SAN MARCOS GAS (Continued) **S106071324**

Last HMMD Inspection:	Not reported
Facility Telephone:	760-224-2890
Permit Status:	Permit Renewed
Permit Expiration:	Not reported
Date Last Updated:	04/08/2022
Facility Owner:	Not reported
Facility Mailing Address:	5505 Cancha De Golf, Rancho Santa Fe, CA 92091
Facility Mailing City:	Not reported
Facility Mailing State:	Not reported
Facility Mailing Zip:	Not reported
UST Owner:	Y
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Y
Treat Haz Waste:	N
Generate Medical Waste:	Not reported

Inspection Violation:

Record ID:	DEH2011-HUPFP-215691
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-215691
Program Element:	Underground Storage Tank
Inspection Type:	Routine
Inspection Number:	5646823
Return To Compliance Date:	2017-05-17T00:00:00.000
Nov:	No
Violation Classification:	Not reported
Underground Storage Tank Id:	27764
Container/Tank Id:	Not reported
Last Update:	2022-04-08T02:46:23.000
Inspection Date:	2017-04-17T08:09:00.000
Violation Code:	2010010 Failure to prepare, maintain, and submit accurate CUPA UST Operating Permit Application for Facility information and/or Tank information. HSC 25286(a); 23 CCR 2711

Record ID:	DEH2011-HUPFP-215691
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-215691
Program Element:	Underground Storage Tank
Inspection Type:	Routine
Inspection Number:	6126000
Return To Compliance Date:	2019-05-10T00:00:00.000
Nov:	No
Violation Classification:	Not reported
Underground Storage Tank Id:	27761
Container/Tank Id:	Not reported
Last Update:	2022-04-08T02:46:23.000
Inspection Date:	2019-04-10T00:00:00.000
Violation Code:	2030013 (TCR 12) Failure to comply with one or more of the following designated operator (DO) monthly inspection requirements: For designated operator (DO) monthly inspections conducted before October 1, 2018, failure to comply with one or more of the following requirements: Be performed by an ICC certified DO. Inspect monthly alarm history report, check that alarms are documented and responded to appropriately, and attach a copy. Inspect for the presence of

SAN MARCOS GAS (Continued) **S106071324**

liquid/debris in spill containers. Inspect for the presence of liquid/debris in under dispenser containment (UDC) and ensure that the monitoring equipment is positioned correctly. Inspect for liquid or debris in containment sumps where an alarm occurred with no service visit. Check that all testing and maintenance has been completed and documented. Verify that all facility employees have been trained in accordance with 23 CCR, 2715(c). For designated operator (DO) 30 day inspections conducted on and after October 1, 2018, failure to conduct the designated UST operator visual inspection at least once every 30 days. 23CCR 2716 (a-e)

Record ID:	DEH2011-HUPFP-215691
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-215691
Program Element:	Underground Storage Tank
Inspection Type:	Routine
Inspection Number:	4977960
Return To Compliance Date:	2014-04-07T00:00:00.000
Nov:	Not reported
Violation Classification:	Not reported
Underground Storage Tank Id:	87
Container/Tank Id:	Not reported
Last Update:	2022-04-08T02:46:23.000
Inspection Date:	2014-04-07T07:37:00.000
Violation Code:	2030025 Failure of the pressurized piping to meet one or more of the following requirements: monitored at least hourly with the capability of detecting a release of 3.0 gallons per hour, and will restrict the flow of product through the piping or trigger an alarm when a release occurs. 23 CCR 16 2636(f)(2).

Record ID:	DEH2011-HUPFP-215691
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-215691
Program Element:	Underground Storage Tank
Inspection Type:	Routine
Inspection Number:	5104899
Return To Compliance Date:	2015-04-17T00:00:00.000
Nov:	No
Violation Classification:	Not reported
Underground Storage Tank Id:	87
Container/Tank Id:	Not reported
Last Update:	2022-04-08T02:46:23.000
Inspection Date:	2015-04-17T00:00:00.000
Violation Code:	2030036 Failure of the overfill prevention system to meet one of the following requirements: 1. Alert the transfer operator when the tank is 90 percent full by restricting the flow into the tank or triggering an audible and visual alarm; or 2. Restrict delivery of flow to the tank at least 30 minutes before the tank overfills, provided the restriction occurs when the tank is filled to no more than 95 percent of capacity; and activate an audible alarm at least five minutes before the tank overfills; or 3. Provide positive shut-off of flow to the tank when the tank is filled to no more than 95 percent of capacity; or 4. Provide positive shut-off of flow to the tank so that none of the fittings located on the top of the tank are exposed to product due to overfilling. 23 CCR 16 2635(b)(2), 2665.

SAN MARCOS GAS (Continued) **S106071324**

Record ID:	DEH2011-HUPFP-215691
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-215691
Program Element:	Underground Storage Tank
Inspection Type:	Routine
Inspection Number:	5869383
Return To Compliance Date:	2018-04-11T00:00:00.000
Nov:	No
Violation Classification:	Class II
Underground Storage Tank Id:	27763
Container/Tank Id:	Not reported
Last Update:	2022-04-08T02:46:23.000
Inspection Date:	2018-04-11T15:38:31.000
Violation Code:	2030016 (RD) Failure to continuously monitor the interstitial space of a double-walled tank with an audible and visual alarm system. 23 CCR 2631(g), 2632(c)(2)(A-B)

Record ID:	DEH2011-HUPFP-215691
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-215691
Program Element:	Underground Storage Tank
Inspection Type:	Routine
Inspection Number:	5869383
Return To Compliance Date:	2018-04-11T00:00:00.000
Nov:	No
Violation Classification:	Class II
Underground Storage Tank Id:	27762
Container/Tank Id:	Not reported
Last Update:	2022-04-08T02:46:23.000
Inspection Date:	2018-04-11T15:38:31.000
Violation Code:	2030018 (RD) Failure of the double-walled pressurized piping to be continuously monitored with a system that activates an audible and visual alarm or stops flow at dispenser when a leak is detected. 23 CCR 2636(f)(1)

Record ID:	DEH2011-HUPFP-215691
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-215691
Program Element:	Underground Storage Tank
Inspection Type:	Routine
Inspection Number:	5869383
Return To Compliance Date:	2018-04-11T00:00:00.000
Nov:	No
Violation Classification:	Class II
Underground Storage Tank Id:	27763
Container/Tank Id:	Not reported
Last Update:	2022-04-08T02:46:23.000
Inspection Date:	2018-04-11T15:38:31.000
Violation Code:	2060020 (RP) Failure to comply with one or more of the following: Failure to install or maintain a liquid-tight spill bucket, have a minimum capacity of 5 gallons, have a functional drain valve or other method for the removal of liquid from the spill bucket/spill container, and/or be resistant to galvanic corrosion. 23 CCR 2635(b), 2665

SAN MARCOS GAS (Continued) **S106071324**

Record ID:	DEH2011-HUPFP-215691
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-215691
Program Element:	Underground Storage Tank
Inspection Type:	Routine
Inspection Number:	5403974
Return To Compliance Date:	2016-04-18T00:00:00.000
Nov:	No
Violation Classification:	Class II
Underground Storage Tank Id:	27761
Container/Tank Id:	Not reported
Last Update:	2022-04-08T02:46:23.000
Inspection Date:	2016-04-18T14:37:50.000
Violation Code:	2060019 Failure of the spill bucket to have a minimum capacity of five gallons. 23 CCR 2635(b), 2665

Record ID:	DEH2011-HUPFP-215691
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-215691
Program Element:	Underground Storage Tank
Inspection Type:	Routine
Inspection Number:	6126000
Return To Compliance Date:	2019-04-10T00:00:00.000
Nov:	No
Violation Classification:	Not reported
Underground Storage Tank Id:	27761
Container/Tank Id:	Not reported
Last Update:	2022-04-08T02:46:23.000
Inspection Date:	2019-04-10T00:00:00.000
Violation Code:	2060020 (TCR 9a) Failure to meet one or more of the following requirements: Install or maintain a liquid-tight spill container. Have a minimum capacity of 5 gallons. Have a functional drain valve or other method for the removal of liquid from the spill container. Be resistant to galvanic corrosion. Perform a tightness test at installation, every 12 months thereafter, or within 30 days after a repair to the spill container, tested using applicable manufacturer guidelines, industry codes, engineering standards, or a method approved by a professional engineer. Tested by a certified UST service technician. Maintain records of spill containment testing for 36 months. 23 CCR 2635(b), 2637.1(a-c), 2665(a-b), 2712(b)(1)(F); HSC 25284.2

Record ID:	DEH2011-HUPFP-215691
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-215691
Program Element:	Underground Storage Tank
Inspection Type:	Routine
Inspection Number:	6586124
Return To Compliance Date:	2021-04-15T00:00:00.000
Nov:	No
Violation Classification:	Class II
Underground Storage Tank Id:	27763
Container/Tank Id:	Not reported
Last Update:	2022-04-08T02:46:23.000

SAN MARCOS GAS (Continued) **S106071324**

Inspection Date:	2021-04-15T15:35:18.000
Violation Code:	2030016 (TCR 9d) Failure to continuously monitor the interstitial space of a double-walled tank with an audible and visual alarm system. 23 CCR 2631(g), 2632(c)(2)(A-B)
Record ID:	DEH2011-HUPFP-215691
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-215691
Program Element:	Underground Storage Tank
Inspection Type:	Routine
Inspection Number:	5104899
Return To Compliance Date:	2015-04-17T00:00:00.000
Nov:	No
Violation Classification:	Not reported
Underground Storage Tank Id:	00
Container/Tank Id:	Not reported
Last Update:	2022-04-08T02:46:23.000
Inspection Date:	2015-04-17T00:00:00.000
Violation Code:	2060020 Failure to comply with one or more of the following: failure to install a spill bucket, have a functional drain valve or other method for the removal of liquid from the spill bucket/spill container, and/or be resistant to galvanic corrosion.

UST DTL:

Record ID:	DEH2011-HUPFP-215691
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-215691
Facility Type (Ust Facility):	Motor Vehicle Fueling
Tank Owner Name:	Las Posas Venture, Inc.
Tankid:	27762
Tank Status:	Active
Date Ust Permanently Closed:	Not reported
Tank Use:	Motor Vehicle Fueling
Piping System Type:	Pressure
Last Updated:	2022-04-08T02:46:23.000
Tank Capacityin Gallons:	10000
Tank Contents:	Premium Unleaded
Type Of Tank:	Double Wall
Record ID:	DEH2011-HUPFP-215691
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-215691
Facility Type (Ust Facility):	Motor Vehicle Fueling
Tank Owner Name:	Las Posas Venture, Inc.
Tankid:	27763
Tank Status:	Active
Date Ust Permanently Closed:	Not reported
Tank Use:	Motor Vehicle Fueling
Piping System Type:	Pressure
Last Updated:	2022-04-08T02:46:23.000
Tank Capacityin Gallons:	10000
Tank Contents:	Regular Unleaded
Type Of Tank:	Double Wall

SAN MARCOS GAS (Continued) **S106071324**

Record ID:	DEH2011-HUPFP-215691
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-215691
Facility Type (Ust Facility):	Motor Vehicle Fueling
Tank Owner Name:	Las Posas Venture, Inc.
Tankid:	27761
Tank Status:	Active
Date Ust Permanently Closed:	Not reported
Tank Use:	Motor Vehicle Fueling
Piping System Type:	Pressure
Last Updated:	2022-04-08T02:46:23.000
Tank Capacityin Gallons:	10000
Tank Contents:	Diesel
Type Of Tank:	Double Wall

Record ID:	DEH2011-HUPFP-215691
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-215691
Facility Type (Ust Facility):	Motor Vehicle Fueling
Tank Owner Name:	Las Posas Venture, Inc.
Tankid:	27764
Tank Status:	Active
Date Ust Permanently Closed:	Not reported
Tank Use:	Motor Vehicle Fueling
Piping System Type:	Pressure
Last Updated:	2022-04-08T02:46:23.000
Tank Capacityin Gallons:	10000
Tank Contents:	Regular Unleaded
Type Of Tank:	Double Wall

Waste and Materials:

Record ID:	DEH2011-HUPFP-215691
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2020-HCHEM-0264989
Trade Secret:	N
Hazardous Material Type:	Pure
Last Updated:	2020-05-22T01:22:21.000
Chemical Name:	Unleaded Gasoline
Common Name:	Gasoline - USTs
Case Number:	86290-81-5

Record ID:	DEH2011-HUPFP-215691
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2020-HCHEM-0264990
Trade Secret:	N
Hazardous Material Type:	Pure
Last Updated:	2020-05-22T01:22:21.000
Chemical Name:	Diesel Fuel
Common Name:	Diesel Fuel - UST
Case Number:	68334-30-5

Record ID:	DEH2011-HUPFP-215691
Permit Status:	Permit Renewed

SAN MARCOS GAS (Continued) **S106071324**

Active Permit:	Y
Child Record Id:	DEH2020-HCHEM-0264991
Trade Secret:	N
Hazardous Material Type:	Pure
Last Updated:	2020-05-22T01:22:21.000
Chemical Name:	Liquefied Propane Gas
Common Name:	Propane
Case Number:	74-98-6

Record ID:	DEH2011-HUPFP-215691
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2020-HCHEM-0264992
Trade Secret:	N
Hazardous Material Type:	Mixture
Last Updated:	2020-05-22T01:22:21.000
Chemical Name:	Car Wash Soap
Common Name:	Car Wash Soap
Case Number:	Not reported

Record ID:	DEH2011-HUPFP-215691
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2020-HWAST-0235415
Trade Secret:	N
Hazardous Material Type:	Not reported
Last Updated:	2020-05-22T01:22:22.000
Chemical Name:	Used Spill Kit and Used Fuel Filters
Common Name:	Fuel Contaminated Waste Absorbent & Used Fuel Filters (HAZWASTE)
Case Number:	Not reported

Record ID:	DEH2011-HUPFP-215691
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2020-HWAST-0235416
Trade Secret:	N
Hazardous Material Type:	Not reported
Last Updated:	2020-05-22T01:22:22.000
Chemical Name:	Gasoline Contaminated Liquids
Common Name:	Sump Water, Spill Bucket Water, SB989 Testing Water (HAZWASTE)
Case Number:	Not reported

Record ID:	DEH2011-HUPFP-215691
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2018-HCHEM-0184793
Trade Secret:	N
Hazardous Material Type:	Pure
Last Updated:	2018-10-25T14:28:45.000
Chemical Name:	Gasoline (87)
Common Name:	Gasoline - UST (87 Octane)
Case Number:	86290-81-5

Record ID:	DEH2011-HUPFP-215691
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2018-HCHEM-0184794

SAN MARCOS GAS (Continued) **S106071324**

Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2018-10-25T14:28:45.000
Chemical Name: Gasoline (87)
Common Name: Gasoline - UST (87 Octane)
Case Number: 86290-81-5

Record ID: DEH2011-HUPFP-215691
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0184795
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2018-10-25T14:28:45.000
Chemical Name: Gasoline (91)
Common Name: Gasoline - UST (91 Octane)
Case Number: 86290-81-5

Record ID: DEH2011-HUPFP-215691
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0184796
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2018-10-25T14:28:45.000
Chemical Name: Diesel Fuel
Common Name: Diesel Fuel - UST
Case Number: 68334-30-5

Record ID: DEH2011-HUPFP-215691
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0184797
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2018-10-25T14:28:45.000
Chemical Name: Liquefied Propane Gas
Common Name: Propane
Case Number: 74-98-6

Record ID: DEH2011-HUPFP-215691
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0184798
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2018-10-25T14:28:45.000
Chemical Name: Car Wash Soap
Common Name: Car Wash Soap
Case Number: Not reported

Record ID: DEH2011-HUPFP-215691
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HWAST-0159291
Trade Secret: N
Hazardous Material Type: Not reported

SAN MARCOS GAS (Continued) **S106071324**

Last Updated: 2018-10-25T14:28:45.000
Chemical Name: Used Spill Kit and Used Fuel Filters
Common Name: Fuel Contaminated Waste Absorbent & Used Fuel Filters (HAZWASTE)
Case Number: Not reported

Record ID: DEH2011-HUPFP-215691
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HWAST-0159292
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2018-10-25T14:28:45.000
Chemical Name: Gasoline Contaminated Liquids
Common Name: Sump Water, Spill Bucket Water, SB989 Testing Water (HAZWASTE)
Case Number: Not reported

Record ID: DEH2011-HUPFP-215691
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2021-HCHEM-0295834
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2022-04-08T02:46:23.000
Chemical Name: Unleaded Gasoline
Common Name: Gasoline - USTs
Case Number: 86290-81-5

Record ID: DEH2011-HUPFP-215691
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2021-HCHEM-0295835
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2022-04-08T02:46:23.000
Chemical Name: Diesel Fuel
Common Name: Diesel Fuel - UST
Case Number: 68334-30-5

Record ID: DEH2011-HUPFP-215691
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2021-HCHEM-0295836
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2022-04-08T02:46:23.000
Chemical Name: Liquefied Propane Gas
Common Name: Propane
Case Number: 74-98-6

Record ID: DEH2011-HUPFP-215691
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2021-HWAST-0264080
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2022-04-08T02:46:23.000
Chemical Name: Used Spill Kit and Used Fuel Filters

SAN MARCOS GAS (Continued) **S106071324**

Common Name: Fuel Contaminated Waste Absorbent & Used Fuel Filters (HAZWASTE)
Case Number: Not reported

Record ID: DEH2011-HUPFP-215691
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2021-HWAST-0264081
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2022-04-08T02:46:23.000
Chemical Name: Gasoline Contaminated Liquids
Common Name: Sump Water, Spill Bucket Water, SB989 Testing Water (HAZWASTE)
Case Number: Not reported

Record ID: DEH2011-HUPFP-215691
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HCHEM-0139350
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2017-10-23T17:08:07.000
Chemical Name: Gasoline (87)
Common Name: Gasoline - UST (87 Octane)
Case Number: 86290-81-5

Record ID: DEH2011-HUPFP-215691
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HCHEM-0139354
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2017-10-23T17:08:07.000
Chemical Name: Liquefied Propane Gas
Common Name: Propane
Case Number: 74-98-6

Record ID: DEH2011-HUPFP-215691
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HCHEM-0139355
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2017-10-23T17:08:07.000
Chemical Name: Car Wash Soap
Common Name: Car Wash Soap
Case Number: Not reported

Record ID: DEH2011-HUPFP-215691
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HWAST-0118087
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2017-10-23T17:08:07.000
Chemical Name: Used Spill Kit and Used Fuel Filters
Common Name: Fuel Contaminated Waste Absorbent & Used Fuel Filters (HAZWASTE)
Case Number: Not reported

SAN MARCOS GAS (Continued) **S106071324**

Record ID: DEH2011-HUPFP-215691
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HWAST-0118088
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2017-10-23T17:08:07.000
Chemical Name: Gasoline Contaminated Liquids
Common Name: Sump Water, Spill Bucket Water, SB989 Testing Water (HAZWASTE)
Case Number: Not reported

Record ID: DEH2011-HUPFP-215691
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2019-HCHEM-0216392
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2019-09-19T02:36:05.000
Chemical Name: Gasoline (87)
Common Name: Gasoline - UST (87 Octane)
Case Number: 86290-81-5

Record ID: DEH2011-HUPFP-215691
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2019-HCHEM-0216393
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2019-09-19T02:36:05.000
Chemical Name: Gasoline (87)
Common Name: Gasoline - UST (87 Octane)
Case Number: 86290-81-5

Record ID: DEH2011-HUPFP-215691
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2019-HCHEM-0216394
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2019-09-19T02:36:05.000
Chemical Name: Gasoline (91)
Common Name: Gasoline - UST (91 Octane)
Case Number: 86290-81-5

Record ID: DEH2011-HUPFP-215691
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2019-HCHEM-0216395
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2019-09-19T02:36:05.000
Chemical Name: Diesel Fuel
Common Name: Diesel Fuel - UST
Case Number: 68334-30-5

Record ID: DEH2011-HUPFP-215691
Permit Status: Permit Renewed

SAN MARCOS GAS (Continued) **S106071324**

Active Permit: Y
Child Record Id: DEH2019-HCHEM-0216396
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2019-09-19T02:36:05.000
Chemical Name: Liquefied Propane Gas
Common Name: Propane
Case Number: 74-98-6

Record ID: DEH2011-HUPFP-215691
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2019-HWAST-0186598
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2019-09-19T02:36:05.000
Chemical Name: Used Spill Kit and Used Fuel Filters
Common Name: Fuel Contaminated Waste Absorbent & Used Fuel Filters (HAZWASTE)
Case Number: Not reported

Record ID: DEH2011-HUPFP-215691
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2019-HWAST-0186599
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2019-09-19T02:36:05.000
Chemical Name: Gasoline Contaminated Liquids
Common Name: Sump Water, Spill Bucket Water, SB989 Testing Water (HAZWASTE)
Case Number: Not reported

Record ID: DEH2011-HUPFP-215691
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2021-HCHEM-0295837
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2022-04-08T02:46:23.000
Chemical Name: Car Wash Soap
Common Name: Car Wash Soap
Case Number: Not reported

Record ID: DEH2011-HUPFP-215691
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2019-HCHEM-0216397
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2019-09-19T02:36:05.000
Chemical Name: Car Wash Soap
Common Name: Car Wash Soap
Case Number: Not reported

Record ID: DEH2011-HUPFP-215691
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HCHEM-0275340

SAN MARCOS GAS (Continued) **S106071324**

Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2020-10-22T02:32:41.000
Chemical Name: Liquefied Propane Gas
Common Name: Propane
Case Number: 74-98-6

Record ID: DEH2011-HUPFP-215691
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HCHEM-0275341
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2020-10-22T02:32:41.000
Chemical Name: Car Wash Soap
Common Name: Car Wash Soap
Case Number: Not reported

Record ID: DEH2011-HUPFP-215691
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HWAST-0243858
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2020-10-22T02:32:41.000
Chemical Name: Used Spill Kit and Used Fuel Filters
Common Name: Fuel Contaminated Waste Absorbent & Used Fuel Filters (HAZWASTE)
Case Number: Not reported

Record ID: DEH2011-HUPFP-215691
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HWAST-0243859
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2020-10-22T02:32:41.000
Chemical Name: Gasoline Contaminated Liquids
Common Name: Sump Water, Spill Bucket Water, SB989 Testing Water (HAZWASTE)
Case Number: Not reported

Record ID: DEH2011-HUPFP-215691
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HCHEM-0139351
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2017-10-23T17:08:07.000
Chemical Name: Gasoline (87)
Common Name: Gasoline - UST (87 Octane)
Case Number: 86290-81-5

Record ID: DEH2011-HUPFP-215691
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HCHEM-0139352
Trade Secret: N
Hazardous Material Type: Pure

SAN MARCOS GAS (Continued) **S106071324**

Last Updated: 2017-10-23T17:08:07.000
Chemical Name: Gasoline (91)
Common Name: Gasoline - UST (91 Octane)
Case Number: 86290-81-5

Record ID: DEH2011-HUPFP-215691
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HCHEM-0139353
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2017-10-23T17:08:07.000
Chemical Name: Diesel Fuel
Common Name: Diesel Fuel - UST
Case Number: 68334-30-5

Record ID: DEH2011-HUPFP-215691
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2016-HCHEM-0111126
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2016-10-13T02:34:41.000
Chemical Name: Gasoline (87)
Common Name: Gasoline - UST (87 Octane)
Case Number: 86290-81-5

Record ID: DEH2011-HUPFP-215691
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2016-HCHEM-0111127
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2016-10-13T02:34:41.000
Chemical Name: Gasoline (87)
Common Name: Gasoline - UST (87 Octane)
Case Number: 86290-81-5

Record ID: DEH2011-HUPFP-215691
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2016-HCHEM-0111128
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2016-10-13T02:34:41.000
Chemical Name: Gasoline (91)
Common Name: Gasoline - UST (91 Octane)
Case Number: 86290-81-5

Record ID: DEH2011-HUPFP-215691
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2016-HCHEM-0111129
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2016-10-13T02:34:41.000
Chemical Name: Diesel Fuel

SAN MARCOS GAS (Continued) **S106071324**

Common Name: Diesel Fuel - UST
Case Number: 68334-30-5

Record ID: DEH2011-HUPFP-215691
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2016-HCHEM-0111130
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2016-10-13T02:34:41.000
Chemical Name: Liquefied Propane Gas
Common Name: Propane
Case Number: 74-98-6

Record ID: DEH2011-HUPFP-215691
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2016-HCHEM-0111131
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2016-10-13T02:34:41.000
Chemical Name: Car Wash Soap
Common Name: Car Wash Soap
Case Number: Not reported

Record ID: DEH2011-HUPFP-215691
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2016-HWAST-0092921
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2016-10-13T02:34:41.000
Chemical Name: Used Spill Kit and Used Fuel Filters
Common Name: Fuel Contaminated Waste Absorbent & Used Fuel Filters (HAZWASTE)
Case Number: Not reported

Record ID: DEH2011-HUPFP-215691
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2016-HWAST-0092922
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2016-10-13T02:34:41.000
Chemical Name: Gasoline Contaminated Liquids
Common Name: Sump Water, Spill Bucket Water, SB989 Testing Water (HAZWASTE)
Case Number: Not reported

Record ID: DEH2011-HUPFP-215691
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HCHEM-0275338
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2020-10-22T02:32:41.000
Chemical Name: Unleaded Gasoline
Common Name: Gasoline - USTs
Case Number: 86290-81-5

SAN MARCOS GAS (Continued) **S106071324**

Record ID:	DEH2011-HUPFP-215691
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2020-HCHEM-0275339
Trade Secret:	N
Hazardous Material Type:	Pure
Last Updated:	2020-10-22T02:32:41.000
Chemical Name:	Diesel Fuel
Common Name:	Diesel Fuel - UST
Case Number:	68334-30-5

Name:	LAS POSAS VENTURE, INC
Address:	1290 W MISSION RD
City,State,Zip:	SAN MARCOS, CA 92069
Permit Number:	215691
Business Type:	6HK28
EPA Id Number:	Not reported
APN:	219-161-20-00
Last HMMD Inspection:	04/18/2012
Facility Telephone:	760-224-2890
Permit Status:	OPEN
Permit Expiration:	10/31/2013
Date Last Updated:	11/02/2012
Facility Owner:	LAS POSAS VENTURE, INC
Facility Mailing Address:	5505 CANCHA DE GOLF
Facility Mailing City:	RANCHO SANTA FE
Facility Mailing State:	CA
Facility Mailing Zip:	92091
UST Owner:	LAS POSAS PARTNERS, LP
Handle Regulated Hazmat:	Y
Own Or Operate UST:	Y
Subject To APSA:	Not reported
Generate Haz Waste:	Not reported
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

Inventory Active Permits (not SQG Medical):

Permit Number:	215691
Update Date:	11/02/2012
Case Number:	Not reported
Name:	DIESEL
Other Information:	UNDERGROUND TANK 125233 T001 DIESEL
Material Waste:	Material
Hazardous Categories 1:	FIRE
Hazardous Categories 2:	Not reported

Permit Number:	215691
Update Date:	11/02/2012
Case Number:	111-76-2
Name:	ETHYLENE GLYCOL BUTYL ETHER 3% WAX & SOAP
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	ACUTE
Hazardous Categories 2:	Not reported

Permit Number:	215691
Update Date:	11/02/2012

SAN MARCOS GAS (Continued) **S106071324**

Case Number:	Not reported
Name:	MIDGRADE UNLEADED
Other Information:	UNDERGROUND TANK 125233 T003 MIDGRADE UNLEADED
Material Waste:	Material
Hazardous Categories 1:	FIRE
Hazardous Categories 2:	Not reported

Permit Number:	215691
Update Date:	11/02/2012
Case Number:	Not reported
Name:	PREMIUM UNLEADED
Other Information:	UNDERGROUND TANK 125233 T002 PREMIUM UNLEADED
Material Waste:	Material
Hazardous Categories 1:	FIRE
Hazardous Categories 2:	Not reported

Permit Number:	215691
Update Date:	11/02/2012
Case Number:	74-98-6
Name:	PROPANE
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	FIRE
Hazardous Categories 2:	PRESSURE RELEASE

Permit Number:	215691
Update Date:	11/02/2012
Case Number:	Not reported
Name:	REGULAR UNLEADED
Other Information:	UNDERGROUND TANK 125233 T004 REGULAR UNLEADED
Material Waste:	Material
Hazardous Categories 1:	FIRE
Hazardous Categories 2:	Not reported

Permit Number:	215691
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 888 USED OIL FILTERS
Other Information:	WASTE FUEL FILTERS
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

UST:

UST Name:	UNDERGROUND TANK 125233 T001
Last Update:	2012-11-02 14:17:38
Permit Number:	215691
Tank Type:	DOUBLE WALL
Additional Id:	RT1404, RT2169,RT4939
Capacity Gallons:	10000
UST Contents:	DIESEL
Other Content Info:	DIESEL
Reg Status:	ACTIVE
Remove Close Date:	Not reported
Year Installed:	1991-01-01 00:00:00
Pipe Type:	DOUBLE WALL
Delivery System:	PRESSURE

SAN MARCOS GAS (Continued) **S106071324**

Monitor Code: 31A
UST Monitor Method: DW TANK, DW PRESSURIZED PIPE W/ DRY TANK ANNULAR; POSITIVE SHUT-OFF & FAILSAFE, 3.0LLD; UDC W/ POSITIVE SHUT-OFF

UST Name: UNDERGROUND TANK 125233 T002
Last Update: 2012-11-02 14:17:38
Permit Number: 215691
Tank Type: DOUBLE WALL
Additional Id: RT1043, RT2169,RT4939
Capacity Gallons: 10000
UST Contents: PREMIUM UNLEADED
Other Content Info: PREMIUM UNLEADED
Reg Status: ACTIVE
Remove Close Date: Not reported
Year Installed: 1991-01-01 00:00:00
Pipe Type: DOUBLE WALL
Delivery System: PRESSURE
Monitor Code: 31A
UST Monitor Method: DW TANK, DW PRESSURIZED PIPE W/ DRY TANK ANNULAR; POSITIVE SHUT-OFF & FAILSAFE, 3.0LLD; UDC W/ POSITIVE SHUT-OFF

UST Name: UNDERGROUND TANK 125233 T003
Last Update: 2012-11-02 14:17:38
Permit Number: 215691
Tank Type: DOUBLE WALL
Additional Id: RT1043, RT2169,RT4939
Capacity Gallons: 10000
UST Contents: REGULAR UNLEADED
Other Content Info: REGULAR UNLEADED
Reg Status: ACTIVE
Remove Close Date: Not reported
Year Installed: 1991-01-01 00:00:00
Pipe Type: DOUBLE WALL
Delivery System: PRESSURE
Monitor Code: 31A
UST Monitor Method: DW TANK, DW PRESSURIZED PIPE W/ DRY TANK ANNULAR; POSITIVE SHUT-OFF & FAILSAFE, 3.0LLD; UDC W/ POSITIVE SHUT-OFF

UST Name: UNDERGROUND TANK 125233 T004
Last Update: 2012-11-02 14:17:38
Permit Number: 215691
Tank Type: DOUBLE WALL
Additional Id: RT1043, RT2169,RT4939
Capacity Gallons: 10000
UST Contents: REGULAR UNLEADED
Other Content Info: REGULAR UNLEADED
Reg Status: ACTIVE
Remove Close Date: Not reported
Year Installed: 1991-01-01 00:00:00
Pipe Type: DOUBLE WALL
Delivery System: PRESSURE
Monitor Code: 31A
UST Monitor Method: DW TANK, DW PRESSURIZED PIPE W/ DRY TANK ANNULAR; POSITIVE SHUT-OFF & FAILSAFE, 3.0LLD; UDC W/ POSITIVE SHUT-OFF

Name: LAS POSAS VENTURE, INC

SAN MARCOS GAS (Continued) **S106071324**

Address:	1290 W MISSION RD
City,State,Zip:	SAN MARCOS, CA 92069
Permit Number:	215691
Business Type:	6HK28
EPA Id Number:	Not reported
APN:	219-161-20-00
Last HMMD Inspection:	04/18/2012
Facility Telephone:	760-224-2890
Permit Status:	OPEN
Permit Expiration:	10/31/2013
Date Last Updated:	11/02/2012
Facility Owner:	LAS POSAS VENTURE, INC
Facility Mailing Address:	5505 CANCHA DE GOLF
Facility Mailing City:	RANCHO SANTA FE
Facility Mailing State:	CA
Facility Mailing Zip:	92091
UST Owner:	LAS POSAS PARTNERS, LP
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Not reported
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

Inventory Active Permits (not SQG Medical):

Permit Number:	215691
Update Date:	11/02/2012
Case Number:	Not reported
Name:	DIESEL
Other Information:	UNDERGROUND TANK 125233 T001 DIESEL
Material Waste:	Material
Hazardous Categories 1:	FIRE
Hazardous Categories 2:	Not reported

Permit Number:	215691
Update Date:	11/02/2012
Case Number:	111-76-2
Name:	ETHYLENE GLYCOL BUTYL ETHER 3% WAX & SOAP
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	ACUTE
Hazardous Categories 2:	Not reported

Permit Number:	215691
Update Date:	11/02/2012
Case Number:	Not reported
Name:	MIDGRADE UNLEADED
Other Information:	UNDERGROUND TANK 125233 T003 MIDGRADE UNLEADED
Material Waste:	Material
Hazardous Categories 1:	FIRE
Hazardous Categories 2:	Not reported

Permit Number:	215691
Update Date:	11/02/2012
Case Number:	Not reported
Name:	PREMIUM UNLEADED
Other Information:	UNDERGROUND TANK 125233 T002 PREMIUM UNLEADED
Material Waste:	Material

SAN MARCOS GAS (Continued) **S106071324**

Hazardous Categories 1: FIRE
Hazardous Categories 2: Not reported

Permit Number: 215691
Update Date: 11/02/2012
Case Number: 74-98-6
Name: PROPANE
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: PRESSURE RELEASE

Permit Number: 215691
Update Date: 11/02/2012
Case Number: Not reported
Name: REGULAR UNLEADED
Other Information: UNDERGROUND TANK 125233 T004 REGULAR UNLEADED
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: Not reported

Permit Number: 215691
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 888 USED OIL FILTERS
Other Information: WASTE FUEL FILTERS
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

UST:
UST Name: UNDERGROUND TANK 125233 T001
Last Update: 2012-11-02 14:17:38
Permit Number: 215691
Tank Type: DOUBLE WALL
Additional Id: RT1404, RT2169,RT4939
Capacity Gallons: 10000
UST Contents: DIESEL
Other Content Info: DIESEL
Reg Status: ACTIVE
Remove Close Date: Not reported
Year Installed: 1991-01-01 00:00:00
Pipe Type: DOUBLE WALL
Delivery System: PRESSURE
Monitor Code: 31A
UST Monitor Method: DW TANK, DW PRESSURIZED PIPE W/ DRY TANK ANNULAR; POSITIVE SHUT-OFF & FAILSAFE, 3.0LLD; UDC W/ POSITIVE SHUT-OFF

UST Name: UNDERGROUND TANK 125233 T002
Last Update: 2012-11-02 14:17:38
Permit Number: 215691
Tank Type: DOUBLE WALL
Additional Id: RT1043, RT2169,RT4939
Capacity Gallons: 10000
UST Contents: PREMIUM UNLEADED
Other Content Info: PREMIUM UNLEADED
Reg Status: ACTIVE

SAN MARCOS GAS (Continued) **S106071324**

Remove Close Date:	Not reported
Year Installed:	1991-01-01 00:00:00
Pipe Type:	DOUBLE WALL
Delivery System:	PRESSURE
Monitor Code:	31A
UST Monitor Method:	DW TANK, DW PRESSURIZED PIPE W/ DRY TANK ANNULAR; POSITIVE SHUT-OFF & FAILSAFE, 3.0LLD; UDC W/ POSITIVE SHUT-OFF
UST Name:	UNDERGROUND TANK 125233 T003
Last Update:	2012-11-02 14:17:38
Permit Number:	215691
Tank Type:	DOUBLE WALL
Additional Id:	RT1043, RT2169,RT4939
Capacity Gallons:	10000
UST Contents:	REGULAR UNLEADED
Other Content Info:	REGULAR UNLEADED
Reg Status:	ACTIVE
Remove Close Date:	Not reported
Year Installed:	1991-01-01 00:00:00
Pipe Type:	DOUBLE WALL
Delivery System:	PRESSURE
Monitor Code:	31A
UST Monitor Method:	DW TANK, DW PRESSURIZED PIPE W/ DRY TANK ANNULAR; POSITIVE SHUT-OFF & FAILSAFE, 3.0LLD; UDC W/ POSITIVE SHUT-OFF
UST Name:	UNDERGROUND TANK 125233 T004
Last Update:	2012-11-02 14:17:38
Permit Number:	215691
Tank Type:	DOUBLE WALL
Additional Id:	RT1043, RT2169,RT4939
Capacity Gallons:	10000
UST Contents:	REGULAR UNLEADED
Other Content Info:	REGULAR UNLEADED
Reg Status:	ACTIVE
Remove Close Date:	Not reported
Year Installed:	1991-01-01 00:00:00
Pipe Type:	DOUBLE WALL
Delivery System:	PRESSURE
Monitor Code:	31A
UST Monitor Method:	DW TANK, DW PRESSURIZED PIPE W/ DRY TANK ANNULAR; POSITIVE SHUT-OFF & FAILSAFE, 3.0LLD; UDC W/ POSITIVE SHUT-OFF
Name:	LAS POSAS VENTURE, INC
Address:	1290 W MISSION RD
City,State,Zip:	SAN MARCOS, CA 92069
Permit Number:	215691
Business Type:	6HK28
EPA Id Number:	Not reported
APN:	219-161-20-00
Last HMMD Inspection:	04/18/2012
Facility Telephone:	760-224-2890
Permit Status:	OPEN
Permit Expiration:	10/31/2013
Date Last Updated:	11/02/2012
Facility Owner:	LAS POSAS VENTURE, INC
Facility Mailing Address:	5505 CANCHA DE GOLF

SAN MARCOS GAS (Continued) **S106071324**

Facility Mailing City:	RANCHO SANTA FE
Facility Mailing State:	CA
Facility Mailing Zip:	92091
UST Owner:	LAS POSAS PARTNERS, LP
Handle Regulated Hazmat:	Y
Own Or Operate UST:	Y
Subject To APSA:	Not reported
Generate Haz Waste:	Not reported
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

Inventory Active Permits (not SQG Medical):

Permit Number:	215691
Update Date:	11/02/2012
Case Number:	Not reported
Name:	DIESEL
Other Information:	UNDERGROUND TANK 125233 T001 DIESEL
Material Waste:	Material
Hazardous Categories 1:	FIRE
Hazardous Categories 2:	Not reported

Permit Number:	215691
Update Date:	11/02/2012
Case Number:	111-76-2
Name:	ETHYLENE GLYCOL BUTYL ETHER 3% WAX & SOAP
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	ACUTE
Hazardous Categories 2:	Not reported

Permit Number:	215691
Update Date:	11/02/2012
Case Number:	Not reported
Name:	MIDGRADE UNLEADED
Other Information:	UNDERGROUND TANK 125233 T003 MIDGRADE UNLEADED
Material Waste:	Material
Hazardous Categories 1:	FIRE
Hazardous Categories 2:	Not reported

Permit Number:	215691
Update Date:	11/02/2012
Case Number:	Not reported
Name:	PREMIUM UNLEADED
Other Information:	UNDERGROUND TANK 125233 T002 PREMIUM UNLEADED
Material Waste:	Material
Hazardous Categories 1:	FIRE
Hazardous Categories 2:	Not reported

Permit Number:	215691
Update Date:	11/02/2012
Case Number:	74-98-6
Name:	PROPANE
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	FIRE
Hazardous Categories 2:	PRESSURE RELEASE

Permit Number: 215691

SAN MARCOS GAS (Continued) **S106071324**

Update Date:	11/02/2012
Case Number:	Not reported
Name:	REGULAR UNLEADED
Other Information:	UNDERGROUND TANK 125233 T004 REGULAR UNLEADED
Material Waste:	Material
Hazardous Categories 1:	FIRE
Hazardous Categories 2:	Not reported
Permit Number:	215691
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 888 USED OIL FILTERS
Other Information:	WASTE FUEL FILTERS
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

UST:

UST Name:	UNDERGROUND TANK 125233 T001
Last Update:	2012-11-02 14:17:38
Permit Number:	215691
Tank Type:	DOUBLE WALL
Additional Id:	RT1404, RT2169,RT4939
Capacity Gallons:	10000
UST Contents:	DIESEL
Other Content Info:	DIESEL
Reg Status:	ACTIVE
Remove Close Date:	Not reported
Year Installed:	1991-01-01 00:00:00
Pipe Type:	DOUBLE WALL
Delivery System:	PRESSURE
Monitor Code:	31A
UST Monitor Method:	DW TANK, DW PRESSURIZED PIPE W/ DRY TANK ANNULAR; POSITIVE SHUT-OFF & FAILSAFE, 3.0LLD; UDC W/ POSITIVE SHUT-OFF
UST Name:	UNDERGROUND TANK 125233 T002
Last Update:	2012-11-02 14:17:38
Permit Number:	215691
Tank Type:	DOUBLE WALL
Additional Id:	RT1043, RT2169,RT4939
Capacity Gallons:	10000
UST Contents:	PREMIUM UNLEADED
Other Content Info:	PREMIUM UNLEADED
Reg Status:	ACTIVE
Remove Close Date:	Not reported
Year Installed:	1991-01-01 00:00:00
Pipe Type:	DOUBLE WALL
Delivery System:	PRESSURE
Monitor Code:	31A
UST Monitor Method:	DW TANK, DW PRESSURIZED PIPE W/ DRY TANK ANNULAR; POSITIVE SHUT-OFF & FAILSAFE, 3.0LLD; UDC W/ POSITIVE SHUT-OFF
UST Name:	UNDERGROUND TANK 125233 T003
Last Update:	2012-11-02 14:17:38
Permit Number:	215691
Tank Type:	DOUBLE WALL
Additional Id:	RT1043, RT2169,RT4939

SAN MARCOS GAS (Continued) **S106071324**

Capacity Gallons:	10000
UST Contents:	REGULAR UNLEADED
Other Content Info:	REGULAR UNLEADED
Reg Status:	ACTIVE
Remove Close Date:	Not reported
Year Installed:	1991-01-01 00:00:00
Pipe Type:	DOUBLE WALL
Delivery System:	PRESSURE
Monitor Code:	31A
UST Monitor Method:	DW TANK, DW PRESSURIZED PIPE W/ DRY TANK ANNULAR; POSITIVE SHUT-OFF & FAILSAFE, 3.0LLD; UDC W/ POSITIVE SHUT-OFF

UST Name:	UNDERGROUND TANK 125233 T004
Last Update:	2012-11-02 14:17:38
Permit Number:	215691
Tank Type:	DOUBLE WALL
Additional Id:	RT1043, RT2169,RT4939
Capacity Gallons:	10000
UST Contents:	REGULAR UNLEADED
Other Content Info:	REGULAR UNLEADED
Reg Status:	ACTIVE
Remove Close Date:	Not reported
Year Installed:	1991-01-01 00:00:00
Pipe Type:	DOUBLE WALL
Delivery System:	PRESSURE
Monitor Code:	31A
UST Monitor Method:	DW TANK, DW PRESSURIZED PIPE W/ DRY TANK ANNULAR; POSITIVE SHUT-OFF & FAILSAFE, 3.0LLD; UDC W/ POSITIVE SHUT-OFF

Name:	SAN MARCOS GAS
Address:	1290 W MISSION RD
City,State,Zip:	SAN MARCOS, CA 92069
Permit Number:	201278
Business Type:	6HK28
EPA Id Number:	CAL000269947
APN:	219-161-20-00
Last HMMD Inspection:	09/03/2010
Facility Telephone:	760-752-7082
Permit Status:	CHNG
Permit Expiration:	09/30/2010
Date Last Updated:	11/02/2012
Facility Owner:	DON HARMS INC.
Facility Mailing Address:	1290 W MISSION RD
Facility Mailing City:	SAN MARCOS
Facility Mailing State:	CA
Facility Mailing Zip:	92069-3036
UST Owner:	DON HARMS
Handle Regulated Hazmat:	Y
Own Or Operate UST:	Y
Subject To APSA:	Not reported
Generate Haz Waste:	Not reported
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

UST:

UST Name:	UNDERGROUND TANK 125233 T001
Last Update:	2012-11-02 14:17:38

SAN MARCOS GAS (Continued) **S106071324**

Permit Number:	201278
Tank Type:	DOUBLE WALL
Additional Id:	RT1404, RT2169,RT4939
Capacity Gallons:	10000
UST Contents:	DIESEL
Other Content Info:	DIESEL
Reg Status:	ACTIVE
Remove Close Date:	Not reported
Year Installed:	1991-01-01 00:00:00
Pipe Type:	DOUBLE WALL
Delivery System:	PRESSURE
Monitor Code:	31A
UST Monitor Method:	DW TANK, DW PRESSURIZED PIPE W/ DRY TANK ANNULAR; POSITIVE SHUT-OFF & FAILSAFE, 3.0LLD; UDC W/ POSITIVE SHUT-OFF

UST Name:	UNDERGROUND TANK 125233 T002
Last Update:	2012-11-02 14:17:38
Permit Number:	201278
Tank Type:	DOUBLE WALL
Additional Id:	RT1043, RT2169,RT4939
Capacity Gallons:	10000
UST Contents:	PREMIUM UNLEADED
Other Content Info:	PREMIUM UNLEADED
Reg Status:	ACTIVE
Remove Close Date:	Not reported
Year Installed:	1991-01-01 00:00:00
Pipe Type:	DOUBLE WALL
Delivery System:	PRESSURE
Monitor Code:	31A
UST Monitor Method:	DW TANK, DW PRESSURIZED PIPE W/ DRY TANK ANNULAR; POSITIVE SHUT-OFF & FAILSAFE, 3.0LLD; UDC W/ POSITIVE SHUT-OFF

UST Name:	UNDERGROUND TANK 125233 T003
Last Update:	2012-11-02 14:17:38
Permit Number:	201278
Tank Type:	DOUBLE WALL
Additional Id:	RT1043, RT2169,RT4939
Capacity Gallons:	10000
UST Contents:	REGULAR UNLEADED
Other Content Info:	REGULAR UNLEADED
Reg Status:	ACTIVE
Remove Close Date:	Not reported
Year Installed:	1991-01-01 00:00:00
Pipe Type:	DOUBLE WALL
Delivery System:	PRESSURE
Monitor Code:	31A
UST Monitor Method:	DW TANK, DW PRESSURIZED PIPE W/ DRY TANK ANNULAR; POSITIVE SHUT-OFF & FAILSAFE, 3.0LLD; UDC W/ POSITIVE SHUT-OFF

UST Name:	UNDERGROUND TANK 125233 T004
Last Update:	2012-11-02 14:17:38
Permit Number:	201278
Tank Type:	DOUBLE WALL
Additional Id:	RT1043, RT2169,RT4939
Capacity Gallons:	10000
UST Contents:	REGULAR UNLEADED
Other Content Info:	REGULAR UNLEADED

SAN MARCOS GAS (Continued) **S106071324**

Reg Status:	ACTIVE
Remove Close Date:	Not reported
Year Installed:	1991-01-01 00:00:00
Pipe Type:	DOUBLE WALL
Delivery System:	PRESSURE
Monitor Code:	31A
UST Monitor Method:	DW TANK, DW PRESSURIZED PIPE W/ DRY TANK ANNULAR; POSITIVE SHUT-OFF & FAILSAFE, 3.0LLD; UDC W/ POSITIVE SHUT-OFF

Name:	SAN MARCOS GAS
Address:	1290 W MISSION RD
City,State,Zip:	SAN MARCOS, CA 92069
Permit Number:	201278
Business Type:	6HK28
EPA Id Number:	CAL000269947
APN:	219-161-20-00
Last HMMD Inspection:	09/03/2010
Facility Telephone:	760-752-7082
Permit Status:	CHNG
Permit Expiration:	09/30/2010
Date Last Updated:	11/02/2012
Facility Owner:	DON HARMS INC.
Facility Mailing Address:	1290 W MISSION RD
Facility Mailing City:	SAN MARCOS
Facility Mailing State:	CA
Facility Mailing Zip:	92069-3036
UST Owner:	DON HARMS
Handle Regulated Hazmat:	Y
Own Or Operate UST:	Y
Subject To APSA:	Not reported
Generate Haz Waste:	Not reported
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

UST:

UST Name:	UNDERGROUND TANK 125233 T001
Last Update:	2012-11-02 14:17:38
Permit Number:	201278
Tank Type:	DOUBLE WALL
Additional Id:	RT1404, RT2169,RT4939
Capacity Gallons:	10000
UST Contents:	DIESEL
Other Content Info:	DIESEL
Reg Status:	ACTIVE
Remove Close Date:	Not reported
Year Installed:	1991-01-01 00:00:00
Pipe Type:	DOUBLE WALL
Delivery System:	PRESSURE
Monitor Code:	31A
UST Monitor Method:	DW TANK, DW PRESSURIZED PIPE W/ DRY TANK ANNULAR; POSITIVE SHUT-OFF & FAILSAFE, 3.0LLD; UDC W/ POSITIVE SHUT-OFF

UST Name:	UNDERGROUND TANK 125233 T002
Last Update:	2012-11-02 14:17:38
Permit Number:	201278
Tank Type:	DOUBLE WALL
Additional Id:	RT1043, RT2169,RT4939

SAN MARCOS GAS (Continued) **S106071324**

Capacity Gallons:	10000
UST Contents:	PREMIUM UNLEADED
Other Content Info:	PREMIUM UNLEADED
Reg Status:	ACTIVE
Remove Close Date:	Not reported
Year Installed:	1991-01-01 00:00:00
Pipe Type:	DOUBLE WALL
Delivery System:	PRESSURE
Monitor Code:	31A
UST Monitor Method:	DW TANK, DW PRESSURIZED PIPE W/ DRY TANK ANNULAR; POSITIVE SHUT-OFF & FAILSAFE, 3.0LLD; UDC W/ POSITIVE SHUT-OFF

UST Name:	UNDERGROUND TANK 125233 T003
Last Update:	2012-11-02 14:17:38
Permit Number:	201278
Tank Type:	DOUBLE WALL
Additional Id:	RT1043, RT2169,RT4939
Capacity Gallons:	10000
UST Contents:	REGULAR UNLEADED
Other Content Info:	REGULAR UNLEADED
Reg Status:	ACTIVE
Remove Close Date:	Not reported
Year Installed:	1991-01-01 00:00:00
Pipe Type:	DOUBLE WALL
Delivery System:	PRESSURE
Monitor Code:	31A
UST Monitor Method:	DW TANK, DW PRESSURIZED PIPE W/ DRY TANK ANNULAR; POSITIVE SHUT-OFF & FAILSAFE, 3.0LLD; UDC W/ POSITIVE SHUT-OFF

UST Name:	UNDERGROUND TANK 125233 T004
Last Update:	2012-11-02 14:17:38
Permit Number:	201278
Tank Type:	DOUBLE WALL
Additional Id:	RT1043, RT2169,RT4939
Capacity Gallons:	10000
UST Contents:	REGULAR UNLEADED
Other Content Info:	REGULAR UNLEADED
Reg Status:	ACTIVE
Remove Close Date:	Not reported
Year Installed:	1991-01-01 00:00:00
Pipe Type:	DOUBLE WALL
Delivery System:	PRESSURE
Monitor Code:	31A
UST Monitor Method:	DW TANK, DW PRESSURIZED PIPE W/ DRY TANK ANNULAR; POSITIVE SHUT-OFF & FAILSAFE, 3.0LLD; UDC W/ POSITIVE SHUT-OFF

Name:	SAN MARCOS GAS
Address:	1290 W MISSION RD
City,State,Zip:	SAN MARCOS, CA 92069
Permit Number:	201278
Business Type:	6HK28
EPA Id Number:	CAL000269947
APN:	219-161-20-00
Last HMMD Inspection:	09/03/2010
Facility Telephone:	760-752-7082
Permit Status:	CHNG

SAN MARCOS GAS (Continued) **S106071324**

Permit Expiration:	09/30/2010
Date Last Updated:	11/02/2012
Facility Owner:	DON HARMS INC.
Facility Mailing Address:	1290 W MISSION RD
Facility Mailing City:	SAN MARCOS
Facility Mailing State:	CA
Facility Mailing Zip:	92069-3036
UST Owner:	DON HARMS
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Not reported
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

UST:

UST Name:	UNDERGROUND TANK 125233 T001
Last Update:	2012-11-02 14:17:38
Permit Number:	201278
Tank Type:	DOUBLE WALL
Additional Id:	RT1404, RT2169,RT4939
Capacity Gallons:	10000
UST Contents:	DIESEL
Other Content Info:	DIESEL
Reg Status:	ACTIVE
Remove Close Date:	Not reported
Year Installed:	1991-01-01 00:00:00
Pipe Type:	DOUBLE WALL
Delivery System:	PRESSURE
Monitor Code:	31A
UST Monitor Method:	DW TANK, DW PRESSURIZED PIPE W/ DRY TANK ANNULAR; POSITIVE SHUT-OFF & FAILSAFE, 3.0LLD; UDC W/ POSITIVE SHUT-OFF

UST Name:	UNDERGROUND TANK 125233 T002
Last Update:	2012-11-02 14:17:38
Permit Number:	201278
Tank Type:	DOUBLE WALL
Additional Id:	RT1043, RT2169,RT4939
Capacity Gallons:	10000
UST Contents:	PREMIUM UNLEADED
Other Content Info:	PREMIUM UNLEADED
Reg Status:	ACTIVE
Remove Close Date:	Not reported
Year Installed:	1991-01-01 00:00:00
Pipe Type:	DOUBLE WALL
Delivery System:	PRESSURE
Monitor Code:	31A
UST Monitor Method:	DW TANK, DW PRESSURIZED PIPE W/ DRY TANK ANNULAR; POSITIVE SHUT-OFF & FAILSAFE, 3.0LLD; UDC W/ POSITIVE SHUT-OFF

UST Name:	UNDERGROUND TANK 125233 T003
Last Update:	2012-11-02 14:17:38
Permit Number:	201278
Tank Type:	DOUBLE WALL
Additional Id:	RT1043, RT2169,RT4939
Capacity Gallons:	10000
UST Contents:	REGULAR UNLEADED
Other Content Info:	REGULAR UNLEADED

SAN MARCOS GAS (Continued) **S106071324**

Reg Status:	ACTIVE
Remove Close Date:	Not reported
Year Installed:	1991-01-01 00:00:00
Pipe Type:	DOUBLE WALL
Delivery System:	PRESSURE
Monitor Code:	31A
UST Monitor Method:	DW TANK, DW PRESSURIZED PIPE W/ DRY TANK ANNULAR; POSITIVE SHUT-OFF & FAILSAFE, 3.0LLD; UDC W/ POSITIVE SHUT-OFF

UST Name:	UNDERGROUND TANK 125233 T004
Last Update:	2012-11-02 14:17:38
Permit Number:	201278
Tank Type:	DOUBLE WALL
Additional Id:	RT1043, RT2169,RT4939
Capacity Gallons:	10000
UST Contents:	REGULAR UNLEADED
Other Content Info:	REGULAR UNLEADED
Reg Status:	ACTIVE
Remove Close Date:	Not reported
Year Installed:	1991-01-01 00:00:00
Pipe Type:	DOUBLE WALL
Delivery System:	PRESSURE
Monitor Code:	31A
UST Monitor Method:	DW TANK, DW PRESSURIZED PIPE W/ DRY TANK ANNULAR; POSITIVE SHUT-OFF & FAILSAFE, 3.0LLD; UDC W/ POSITIVE SHUT-OFF

Name:	LAS POSAS VENTURE, INC
Address:	1290 W MISSION RD
City,State,Zip:	SAN MARCOS, CA 92069
Permit Number:	215691
Business Type:	6HK28
EPA Id Number:	Not reported
APN:	219-161-20-00
Last HMMD Inspection:	04/18/2012
Facility Telephone:	760-224-2890
Permit Status:	OPEN
Permit Expiration:	10/31/2013
Date Last Updated:	11/02/2012
Facility Owner:	LAS POSAS VENTURE, INC
Facility Mailing Address:	5505 CANCHA DE GOLF
Facility Mailing City:	RANCHO SANTA FE
Facility Mailing State:	CA
Facility Mailing Zip:	92091
UST Owner:	LAS POSAS PARTNERS, LP
Handle Regulated Hazmat:	Y
Own Or Operate UST:	Y
Subject To APSA:	Not reported
Generate Haz Waste:	Y
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

Inventory Active Permits (not SQG Medical):

Permit Number:	215691
Update Date:	11/02/2012
Case Number:	Not reported
Name:	DIESEL
Other Information:	UNDERGROUND TANK 125233 T001 DIESEL

SAN MARCOS GAS (Continued) **S106071324**

Material Waste:	Material
Hazardous Categories 1:	FIRE
Hazardous Categories 2:	Not reported
Permit Number:	215691
Update Date:	11/02/2012
Case Number:	111-76-2
Name:	ETHYLENE GLYCOL BUTYL ETHER 3% WAX & SOAP
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	ACUTE
Hazardous Categories 2:	Not reported
Permit Number:	215691
Update Date:	11/02/2012
Case Number:	Not reported
Name:	MIDGRADE UNLEADED
Other Information:	UNDERGROUND TANK 125233 T003 MIDGRADE UNLEADED
Material Waste:	Material
Hazardous Categories 1:	FIRE
Hazardous Categories 2:	Not reported
Permit Number:	215691
Update Date:	11/02/2012
Case Number:	Not reported
Name:	PREMIUM UNLEADED
Other Information:	UNDERGROUND TANK 125233 T002 PREMIUM UNLEADED
Material Waste:	Material
Hazardous Categories 1:	FIRE
Hazardous Categories 2:	Not reported
Permit Number:	215691
Update Date:	11/02/2012
Case Number:	74-98-6
Name:	PROPANE
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	FIRE
Hazardous Categories 2:	PRESSURE RELEASE
Permit Number:	215691
Update Date:	11/02/2012
Case Number:	Not reported
Name:	REGULAR UNLEADED
Other Information:	UNDERGROUND TANK 125233 T004 REGULAR UNLEADED
Material Waste:	Material
Hazardous Categories 1:	FIRE
Hazardous Categories 2:	Not reported
Permit Number:	215691
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 888 USED OIL FILTERS
Other Information:	WASTE FUEL FILTERS
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

SAN MARCOS GAS (Continued) **S106071324**

UST:

UST Name:	UNDERGROUND TANK 125233 T001
Last Update:	2012-11-02 14:17:38
Permit Number:	215691
Tank Type:	DOUBLE WALL
Additional Id:	RT1404, RT2169,RT4939
Capacity Gallons:	10000
UST Contents:	DIESEL
Other Content Info:	DIESEL
Reg Status:	ACTIVE
Remove Close Date:	Not reported
Year Installed:	1991-01-01 00:00:00
Pipe Type:	DOUBLE WALL
Delivery System:	PRESSURE
Monitor Code:	31A
UST Monitor Method:	DW TANK, DW PRESSURIZED PIPE W/ DRY TANK ANNULAR; POSITIVE SHUT-OFF & FAILSAFE, 3.0LLD; UDC W/ POSITIVE SHUT-OFF

UST Name:	UNDERGROUND TANK 125233 T002
Last Update:	2012-11-02 14:17:38
Permit Number:	215691
Tank Type:	DOUBLE WALL
Additional Id:	RT1043, RT2169,RT4939
Capacity Gallons:	10000
UST Contents:	PREMIUM UNLEADED
Other Content Info:	PREMIUM UNLEADED
Reg Status:	ACTIVE
Remove Close Date:	Not reported
Year Installed:	1991-01-01 00:00:00
Pipe Type:	DOUBLE WALL
Delivery System:	PRESSURE
Monitor Code:	31A
UST Monitor Method:	DW TANK, DW PRESSURIZED PIPE W/ DRY TANK ANNULAR; POSITIVE SHUT-OFF & FAILSAFE, 3.0LLD; UDC W/ POSITIVE SHUT-OFF

UST Name:	UNDERGROUND TANK 125233 T003
Last Update:	2012-11-02 14:17:38
Permit Number:	215691
Tank Type:	DOUBLE WALL
Additional Id:	RT1043, RT2169,RT4939
Capacity Gallons:	10000
UST Contents:	REGULAR UNLEADED
Other Content Info:	REGULAR UNLEADED
Reg Status:	ACTIVE
Remove Close Date:	Not reported
Year Installed:	1991-01-01 00:00:00
Pipe Type:	DOUBLE WALL
Delivery System:	PRESSURE
Monitor Code:	31A
UST Monitor Method:	DW TANK, DW PRESSURIZED PIPE W/ DRY TANK ANNULAR; POSITIVE SHUT-OFF & FAILSAFE, 3.0LLD; UDC W/ POSITIVE SHUT-OFF

UST Name:	UNDERGROUND TANK 125233 T004
Last Update:	2012-11-02 14:17:38
Permit Number:	215691
Tank Type:	DOUBLE WALL
Additional Id:	RT1043, RT2169,RT4939

SAN MARCOS GAS (Continued) **S106071324**

Capacity Gallons:	10000
UST Contents:	REGULAR UNLEADED
Other Content Info:	REGULAR UNLEADED
Reg Status:	ACTIVE
Remove Close Date:	Not reported
Year Installed:	1991-01-01 00:00:00
Pipe Type:	DOUBLE WALL
Delivery System:	PRESSURE
Monitor Code:	31A
UST Monitor Method:	DW TANK, DW PRESSURIZED PIPE W/ DRY TANK ANNULAR; POSITIVE SHUT-OFF & FAILSAFE, 3.0LLD; UDC W/ POSITIVE SHUT-OFF

Name:	LAS POSAS VENTURE, INC
Address:	1290 W MISSION RD
City,State,Zip:	SAN MARCOS, CA 92069
Permit Number:	215691
Business Type:	6HK28
EPA Id Number:	Not reported
APN:	219-161-20-00
Last HMMD Inspection:	04/18/2012
Facility Telephone:	760-224-2890
Permit Status:	OPEN
Permit Expiration:	10/31/2013
Date Last Updated:	11/02/2012
Facility Owner:	LAS POSAS VENTURE, INC
Facility Mailing Address:	5505 CANCHA DE GOLF
Facility Mailing City:	RANCHO SANTA FE
Facility Mailing State:	CA
Facility Mailing Zip:	92091
UST Owner:	LAS POSAS PARTNERS, LP
Handle Regulated Hazmat:	Y
Own Or Operate UST:	Y
Subject To APSA:	Not reported
Generate Haz Waste:	Y
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

Inventory Active Permits (not SQG Medical):

Permit Number:	215691
Update Date:	11/02/2012
Case Number:	Not reported
Name:	DIESEL
Other Information:	UNDERGROUND TANK 125233 T001 DIESEL
Material Waste:	Material
Hazardous Categories 1:	FIRE
Hazardous Categories 2:	Not reported

Permit Number:	215691
Update Date:	11/02/2012
Case Number:	111-76-2
Name:	ETHYLENE GLYCOL BUTYL ETHER 3% WAX & SOAP
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	ACUTE
Hazardous Categories 2:	Not reported

Permit Number:	215691

SAN MARCOS GAS (Continued) **S106071324**

Update Date: 11/02/2012
Case Number: Not reported
Name: MIDGRADE UNLEADED
Other Information: UNDERGROUND TANK 125233 T003 MIDGRADE UNLEADED
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: Not reported

Permit Number: 215691
Update Date: 11/02/2012
Case Number: Not reported
Name: PREMIUM UNLEADED
Other Information: UNDERGROUND TANK 125233 T002 PREMIUM UNLEADED
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: Not reported

Permit Number: 215691
Update Date: 11/02/2012
Case Number: 74-98-6
Name: PROPANE
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: PRESSURE RELEASE

Permit Number: 215691
Update Date: 11/02/2012
Case Number: Not reported
Name: REGULAR UNLEADED
Other Information: UNDERGROUND TANK 125233 T004 REGULAR UNLEADED
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: Not reported

Permit Number: 215691
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 888 USED OIL FILTERS
Other Information: WASTE FUEL FILTERS
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

UST:
UST Name: UNDERGROUND TANK 125233 T001
Last Update: 2012-11-02 14:17:38
Permit Number: 215691
Tank Type: DOUBLE WALL
Additional Id: RT1404, RT2169,RT4939
Capacity Gallons: 10000
UST Contents: DIESEL
Other Content Info: DIESEL
Reg Status: ACTIVE
Remove Close Date: Not reported
Year Installed: 1991-01-01 00:00:00
Pipe Type: DOUBLE WALL

SAN MARCOS GAS (Continued) **S106071324**

Delivery System:	PRESSURE
Monitor Code:	31A
UST Monitor Method:	DW TANK, DW PRESSURIZED PIPE W/ DRY TANK ANNULAR; POSITIVE SHUT-OFF & FAILSAFE, 3.0LLD; UDC W/ POSITIVE SHUT-OFF
UST Name:	UNDERGROUND TANK 125233 T002
Last Update:	2012-11-02 14:17:38
Permit Number:	215691
Tank Type:	DOUBLE WALL
Additional Id:	RT1043, RT2169,RT4939
Capacity Gallons:	10000
UST Contents:	PREMIUM UNLEADED
Other Content Info:	PREMIUM UNLEADED
Reg Status:	ACTIVE
Remove Close Date:	Not reported
Year Installed:	1991-01-01 00:00:00
Pipe Type:	DOUBLE WALL
Delivery System:	PRESSURE
Monitor Code:	31A
UST Monitor Method:	DW TANK, DW PRESSURIZED PIPE W/ DRY TANK ANNULAR; POSITIVE SHUT-OFF & FAILSAFE, 3.0LLD; UDC W/ POSITIVE SHUT-OFF
UST Name:	UNDERGROUND TANK 125233 T003
Last Update:	2012-11-02 14:17:38
Permit Number:	215691
Tank Type:	DOUBLE WALL
Additional Id:	RT1043, RT2169,RT4939
Capacity Gallons:	10000
UST Contents:	REGULAR UNLEADED
Other Content Info:	REGULAR UNLEADED
Reg Status:	ACTIVE
Remove Close Date:	Not reported
Year Installed:	1991-01-01 00:00:00
Pipe Type:	DOUBLE WALL
Delivery System:	PRESSURE
Monitor Code:	31A
UST Monitor Method:	DW TANK, DW PRESSURIZED PIPE W/ DRY TANK ANNULAR; POSITIVE SHUT-OFF & FAILSAFE, 3.0LLD; UDC W/ POSITIVE SHUT-OFF
UST Name:	UNDERGROUND TANK 125233 T004
Last Update:	2012-11-02 14:17:38
Permit Number:	215691
Tank Type:	DOUBLE WALL
Additional Id:	RT1043, RT2169,RT4939
Capacity Gallons:	10000
UST Contents:	REGULAR UNLEADED
Other Content Info:	REGULAR UNLEADED
Reg Status:	ACTIVE
Remove Close Date:	Not reported
Year Installed:	1991-01-01 00:00:00
Pipe Type:	DOUBLE WALL
Delivery System:	PRESSURE
Monitor Code:	31A
UST Monitor Method:	DW TANK, DW PRESSURIZED PIPE W/ DRY TANK ANNULAR; POSITIVE SHUT-OFF & FAILSAFE, 3.0LLD; UDC W/ POSITIVE SHUT-OFF

SAN MARCOS GAS (Continued) **S106071324**

CERS HAZ WASTE:
Name: LAS POSAS VENTURE, INC
Address: 1290 W MISSION RD
City,State,Zip: SAN MARCOS, CA 92069
Site ID: 396300
CERS ID: 10376581
CERS Description: Hazardous Waste Generator

CERS TANKS:
Name: LAS POSAS VENTURE, INC
Address: 1290 W MISSION RD
City,State,Zip: SAN MARCOS, CA 92069
Site ID: 396300
CERS ID: 10376581
CERS Description: Underground Storage Tank

SAN DIEGO CO LOP:
Name: SAN MARCOS GAS
Address: 1290 W MISSION RD
City,State,Zip: SAN MARCOS, CA 92069
Record ID: DEH2003-LSAM-H25233-001
Record Status: Completed
Opened Date: 04/03/2003
Parcel Number: 219-161-20-00
Case Type: LOP - Local Oversight Program
Historical Name: SAN MARCOS GAS
SWRCB Global ID: T0607383730
Funding: S - LOP State Fund
Lead Agency: DEH/SAM
Lead Agency Date: 04/03/2003
Census Tract: 200.21
Community: San Marcos
Jurisdiction: SAN MARCOS
Watershed Basin Number: 904.52
Water Purveyor: VALLECITOS WATER DISTRICT
Fire Agency: SAN MARCOS FIRE PROT DIST
Latitude: 33.1485601
Longitude: -117.1882259
X MapCoord: 6274508.028
Y MapCoord: 1998963.470

CERS:
Name: LAS POSAS VENTURE, INC
Address: 1290 W MISSION RD
City,State,Zip: SAN MARCOS, CA 92069
Site ID: 396300
CERS ID: 10376581
CERS Description: Chemical Storage Facilities

Violations:
Site ID: 396300
Site Name: LAS POSAS VENTURE, INC
Violation Date: 04-15-2021
Citation: 23 CCR 16 2632(c)(2)(A)&(B) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2632(c)(2)(A)&(B)
Violation Description: Failure to continuously monitor the interstitial space of a

SAN MARCOS GAS (Continued) **S106071324**

	double-walled tank with an audible and visual alarm system.
Violation Notes:	Returned to compliance on 04/15/2021. Inspection Sequence ID:6586124;Tank ID:27763,27764;Violation Description:(TCR 9d) Failure to continuously monitor the interstitial space of a double-walled tank with an audible and visual alarm system. 23 CCR 2631(g), 2632(c)(2)(A-B)
Violation Division:	San Diego County Department of Env Health
Violation Program:	UST
Violation Source:	CERS,
Site ID:	396300
Site Name:	LAS POSAS VENTURE, INC
Violation Date:	04-10-2019
Citation:	23 CCR 16 2716(e) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2716(e)
Violation Description:	For designated operator (DO) monthly inspections conducted before October 1, 2018, failure to comply with one or more of the following requirements: Be performed by an ICC certified DO. Inspect monthly alarm history report, check that alarms are documented and responded to appropriately, and attach a copy. Inspect for the presence of liquid/debris in spill containers. Inspect for the presence of liquid/debris in under dispenser containment (UDC) and ensure that the monitoring equipment is positioned correctly. Inspect for liquid or debris in containment sumps where an alarm occurred with no service visit. Check that all testing and maintenance has been completed and documented. Verify that all facility employees have been trained in accordance with 23 CCR 2715(c). For designated operator (DO) 30 day inspections conducted on and after October 1, 2018, failure to conduct the designated UST operator visual inspection at least once every 30 days.
Violation Notes:	Returned to compliance on 05/10/2019. Inspection Sequence ID:6126000;Tank ID:27761,27762,27763,27764;Violation Description:(TCR 12) Failure to comply with one or more of the following designated operator (DO) monthly inspection requirements: For designated operator (DO) monthly inspections conducted before October 1, 2018, failure to comply with one or more of the following requirements: Be performed by an ICC certified DO. Inspect monthly alarm history report, check that alarms are documented and responded to appropriately, and attach a copy. Inspect for the presence of liquid/debris in spill containers. Inspect for the presence of liquid/debris in under dispenser containment (UDC) and ensure that the monitoring equipment is positioned correctly. Inspect for liquid or debris in containment sumps where an alarm occurred with no service visit. Check that all testing and maintenance has been completed and documented. Verify that all facility employees have been trained in accordance with 23 CCR, 2715(c). For designated opera
Violation Division:	San Diego County Department of Env Health
Violation Program:	UST
Violation Source:	CERS,
Site ID:	396300
Site Name:	LAS POSAS VENTURE, INC
Violation Date:	04-11-2018
Citation:	23 CCR 16 2636(f)(1) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2636(f)(1)
Violation Description:	Failure of the double-walled pressurized piping to be continuously monitored with a system that activates an audible and visual alarm or

SAN MARCOS GAS (Continued) **S106071324**

	stops flow at the dispenser when a leak is detected.
Violation Notes:	Returned to compliance on 04/11/2018.
Violation Division:	San Diego County Department of Env Health
Violation Program:	UST
Violation Source:	CERS,
Site ID:	396300
Site Name:	LAS POSAS VENTURE, INC
Violation Date:	04-10-2019
Citation:	HSC 6.7 25284.2 - California Health and Safety Code, Chapter 6.7, Section(s) 25284.2
Violation Description:	"Failure to meet one or more of the following requirements: Install or maintain a liquid-tight spill container. Have a minimum capacity of five gallons. Have a functional drain valve or other method for the removal of liquid from the spill container. Be resistant to galvanic corrosion. Perform a tightness test at installation, every 12 months thereafter, or within 30 days after a repair to the spill container. Tested using applicable manufacturer guidelines, industry codes, engineering standards, or a method approved by a professional engineer. Tested by a certified UST service technician. Maintain records of spill containment testing for 36 months. "
Violation Notes:	Returned to compliance on 04/10/2019. Inspection Sequence ID:6126000;Tank ID:27761,27762,27764;Violation Description:(TCR 9a) Failure to meet one or more of the following requirements: Install or maintain a liquid-tight spill container. Have a minimum capacity of 5 gallons. Have a functional drain valve or other method for the removal of liquid from the spill container. Be resistant to galvanic corrosion. Perform a tightness test at installation, every 12 months thereafter, or within 30 days after a repair to the spill container, tested using applicable manufacturer guidelines, industry codes, engineering standards, or a method approved by a professional engineer. Tested by a certified UST service technician. Maintain records of spill containment testing for 36 months. 23 CCR 2635(b), 2637.1(a-c), 2665(a-b), 2712(b)(1)(F); HSC 25284.2
Violation Division:	San Diego County Department of Env Health
Violation Program:	UST
Violation Source:	CERS,
Site ID:	396300
Site Name:	LAS POSAS VENTURE, INC
Violation Date:	04-17-2017
Citation:	23 CCR 6.7 25284, 25286 - California Code of Regulations, Title 23, Chapter 6.7, Section(s) 25284, 25286
Violation Description:	Failure to submit a complete and accurate application for a permit to operate a UST, or for renewal of the permit.
Violation Notes:	Returned to compliance on 05/17/2017. Inspection Sequence ID:5646823;Tank ID:27764,27763,27762,27761;Violation Description:Failure to prepare, maintain, and submit accurate CUPA UST Operating Permit Application for Facility information and/or Tank information. HSC 25286(a); 23 CCR 2711
Violation Division:	San Diego County Department of Env Health
Violation Program:	UST
Violation Source:	CERS,
Site ID:	396300
Site Name:	LAS POSAS VENTURE, INC
Violation Date:	04-18-2016

SAN MARCOS GAS (Continued) **S106071324**

Citation:	23 CCR 16 2665 - California Code of Regulations, Title 23, Chapter 16, Section(s) 2665
Violation Description:	Failure of the spill bucket to have a minimum capacity of five gallons.
Violation Notes:	Returned to compliance on 04/18/2016.
Violation Division:	San Diego County Department of Env Health
Violation Program:	UST
Violation Source:	CERS,
Site ID:	396300
Site Name:	LAS POSAS VENTURE, INC
Violation Date:	04-11-2018
Citation:	23 CCR 16 2632(c)(2)(A)&(B) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2632(c)(2)(A)&(B)
Violation Description:	Failure to continuously monitor the interstitial space of a double-walled tank with an audible and visual alarm system.
Violation Notes:	Returned to compliance on 04/11/2018.
Violation Division:	San Diego County Department of Env Health
Violation Program:	UST
Violation Source:	CERS,
Site ID:	396300
Site Name:	LAS POSAS VENTURE, INC
Violation Date:	04-11-2018
Citation:	23 CCR 16 2665 - California Code of Regulations, Title 23, Chapter 16, Section(s) 2665
Violation Description:	Failure to comply with one or more of the following: Failure to install or maintain a liquid-tight spill bucket. Have a minimum capacity of five gallons. Have a functional drain valve or other method for the removal of liquid from the spill bucket/spill container. Be resistant to galvanic corrosion.
Violation Notes:	Returned to compliance on 04/11/2018.
Violation Division:	San Diego County Department of Env Health
Violation Program:	UST
Violation Source:	CERS,
Site ID:	396300
Site Name:	LAS POSAS VENTURE, INC
Violation Date:	04-17-2015
Citation:	23 CCR 16 2665 - California Code of Regulations, Title 23, Chapter 16, Section(s) 2665
Violation Description:	Failure to comply with one or more of the following: failure to install a spill bucket, have a functional drain valve or other method for the removal of liquid from the spill bucket/spill container, and/or be resistant to galvanic corrosion.
Violation Notes:	Returned to compliance on 04/17/2015. Inspection Sequence ID:5104899;Tank ID:00;Violation Description: Failure to comply with one or more of the following: failure to install a spill bucket, have a functional drain valve or other method for the removal of liquid from the spill bucket/spill container, and/or be resistant to galvanic corrosion.
Violation Division:	San Diego County Department of Env Health
Violation Program:	UST
Violation Source:	CERS,
Site ID:	396300
Site Name:	LAS POSAS VENTURE, INC

SAN MARCOS GAS (Continued) **S106071324**

Violation Date: 04-07-2014
Citation: 23 CCR 16 2636(f)(2) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2636(f)(2)
Violation Description: Failure of the pressurized piping to meet one or more of the following requirements: monitored at least hourly with the capability of detecting a release of 3.0 gallons per hour, and will restrict the flow of product through the piping or trigger an alarm when a release occurs.
Violation Notes: Returned to compliance on 04/07/2014.
Violation Division: San Diego County Department of Env Health
Violation Program: UST
Violation Source: CERS,

Site ID: 396300
Site Name: LAS POSAS VENTURE, INC
Violation Date: 04-17-2015
Citation: 23 CCR 16 2665 - California Code of Regulations, Title 23, Chapter 16, Section(s) 2665
Violation Description: Failure of the overfill prevention system to meet one of the following requirements: 1. Alert the transfer operator when the tank is 90 percent full by restricting the flow into the tank or triggering an audible and visual alarm; or 2. Restrict delivery of flow to the tank at least 30 minutes before the tank overfills, provided the restriction occurs when the tank is filled to no more than 95 percent of capacity; and activate an audible alarm at least five minutes before the tank overfills; or 3. Provide positive shut-off of flow to the tank when the tank is filled to no more than 95 percent of capacity; or 4. Provide positive shut-off of flow to the tank so that none of the fittings located on the top of the tank are exposed to product due to overfilling.
Violation Notes: Returned to compliance on 04/17/2015. Inspection Sequence ID:5104899;Tank ID:87,91;Violation Description:Failure of the overfill prevention system to meet one of the following requirements: 1. Alert the transfer operator when the tank is 90 percent full by restricting the flow into the tank or triggering an audible and visual alarm; or 2. Restrict delivery of flow to the tank at least 30 minutes before the tank overfills, provided the restriction occurs when the tank is filled to no more than 95 percent of capacity; and activate an audible alarm at least five minutes before the tank overfills; or 3. Provide positive shut-off of flow to the tank when the tank is filled to no more than 95 percent of capacity; or 4. Provide positive shut-off of flow to the tank so that none of the fittings located on the top of the tank are exposed to product due to overfilling. 23 CCR 16 2635(b)(2), 2665.
Violation Division: San Diego County Department of Env Health
Violation Program: UST
Violation Source: CERS,

Evaluation:
Eval General Type: Compliance Evaluation Inspection
Eval Date: 04-07-2014
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Inspector: Oglesby Margaret Inspection ID:4977960
Eval Division: San Diego County Department of Env Health
Eval Program: HMRRP
Eval Source: CERS,

SAN MARCOS GAS (Continued) **S106071324**

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	04-10-2019
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Inspector: Beacon Ellen Inspection ID:6126000
Eval Division:	San Diego County Department of Env Health
Eval Program:	HMRRP
Eval Source:	CERS,

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	04-10-2019
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Inspector: Beacon Ellen Inspection ID:6126000
Eval Division:	San Diego County Department of Env Health
Eval Program:	UST
Eval Source:	CERS,

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	04-15-2021
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Inspector: Beacon Ellen Inspection ID:6586124
Eval Division:	San Diego County Department of Env Health
Eval Program:	HW
Eval Source:	CERS,

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	04-17-2017
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Inspector: Oglesby Margaret Inspection ID:5646823
Eval Division:	San Diego County Department of Env Health
Eval Program:	HW
Eval Source:	CERS,

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	04-18-2016
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Inspector: Oglesby Margaret Inspection ID:5403974
Eval Division:	San Diego County Department of Env Health
Eval Program:	HMRRP
Eval Source:	CERS,

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	04-07-2014
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Inspector: Oglesby Margaret Inspection ID:4977960
Eval Division:	San Diego County Department of Env Health
Eval Program:	HW
Eval Source:	CERS,

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	04-07-2022
Violations Found:	No

SAN MARCOS GAS (Continued) **S106071324**

Eval Type: Routine done by local agency
Eval Notes: Inspector: Beacon Ellen Inspection ID:6903767
Eval Division: San Diego County Department of Env Health
Eval Program: UST
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 04-11-2018
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Inspector: Beacon Ellen Inspection ID:5869383
Eval Division: San Diego County Department of Env Health
Eval Program: UST
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 04-15-2021
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Inspector: Beacon Ellen Inspection ID:6586124
Eval Division: San Diego County Department of Env Health
Eval Program: UST
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 04-17-2015
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Inspector: Oglesby Margaret Inspection ID:5104899
Eval Division: San Diego County Department of Env Health
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 04-17-2015
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Inspector: Oglesby Margaret Inspection ID:5104899
Eval Division: San Diego County Department of Env Health
Eval Program: HW
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 05-19-2020
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: "No On-site Inspection" Inspector: Beacon Ellen Inspection ID:6399095
Eval Division: San Diego County Department of Env Health
Eval Program: UST
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 04-07-2014
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Inspector: Oglesby Margaret Inspection ID:4977960
Eval Division: San Diego County Department of Env Health

SAN MARCOS GAS (Continued) **S106071324**

Eval Program: UST
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 04-11-2018
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Inspector: Beacon Ellen Inspection ID:5869383
Eval Division: San Diego County Department of Env Health
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 04-15-2021
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Inspector: Beacon Ellen Inspection ID:6586124
Eval Division: San Diego County Department of Env Health
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 04-17-2015
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Inspector: Oglesby Margaret Inspection ID:5104899
Eval Division: San Diego County Department of Env Health
Eval Program: UST
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 04-18-2016
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Inspector: Oglesby Margaret Inspection ID:5403974
Eval Division: San Diego County Department of Env Health
Eval Program: UST
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 04-10-2019
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Inspector: Beacon Ellen Inspection ID:6126000
Eval Division: San Diego County Department of Env Health
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 04-11-2018
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Inspector: Beacon Ellen Inspection ID:5869383
Eval Division: San Diego County Department of Env Health
Eval Program: HW
Eval Source: CERS,

SAN MARCOS GAS (Continued) **S106071324**

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	04-17-2017
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Inspector: Oglesby Margaret Inspection ID:5646823
Eval Division:	San Diego County Department of Env Health
Eval Program:	HMRRP
Eval Source:	CERS,

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	04-17-2017
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Inspector: Oglesby Margaret Inspection ID:5646823
Eval Division:	San Diego County Department of Env Health
Eval Program:	UST
Eval Source:	CERS,

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	04-18-2016
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Inspector: Oglesby Margaret Inspection ID:5403974
Eval Division:	San Diego County Department of Env Health
Eval Program:	HW
Eval Source:	CERS,

Coordinates:

Site ID:	396300
Facility Name:	LAS POSAS VENTURE, INC
Env Int Type Code:	HMBP
Program ID:	10376581
Coord Name:	Not reported
Ref Point Type Desc:	Center of a facility or station.,
Latitude:	33.148560
Longitude:	-117.188220

Affiliation:

Affiliation Type Desc:	Document Preparer
Entity Name:	Gloria Jimenez
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,

Affiliation Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	Not reported
Affiliation Address:	18029 Calle Ambiente STE 500
Affiliation City:	Rancho Santa Fe
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92091

SAN MARCOS GAS (Continued) **S106071324**

Affiliation Phone: ,

Affiliation Type Desc: Legal Owner
Entity Name: Las Posas Venture, Inc.
Entity Title: Not reported
Affiliation Address: 18029 Calle Ambiente STE 500
Affiliation City: Rancho Santa Fe
Affiliation State: CA
Affiliation Country: United States
Affiliation Zip: 92091
Affiliation Phone: (858) 755-0216,

Affiliation Type Desc: Operator
Entity Name: Las Posas Venture, Inc.
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: (760) 224-2890,

Affiliation Type Desc: UST Permit Applicant
Entity Name: Scott Storms
Entity Title: CERS Account Administrator
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: (619) 379-1457,

Affiliation Type Desc: UST Property Owner Name
Entity Name: Las Posas Partners, L.P.
Entity Title: Not reported
Affiliation Address: 18029 Calle Ambiente STE 500
Affiliation City: Rancho Santa Fe
Affiliation State: CA
Affiliation Country: United States
Affiliation Zip: 92091
Affiliation Phone: (858) 755-0216,

Affiliation Type Desc: Parent Corporation
Entity Name: LAS POSAS VENTURE, INC
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Affiliation Type Desc: Identification Signer
Entity Name: Gloria Jimenez
Entity Title: CERS Administrator
Affiliation Address: Not reported
Affiliation City: Not reported

SAN MARCOS GAS (Continued) **S106071324**

Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,
Affiliation Type Desc:	Property Owner
Entity Name:	Las Posas Partners
Entity Title:	Not reported
Affiliation Address:	18029 Calle Ambiente STE 500
Affiliation City:	Rancho Santa Fe
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	92091
Affiliation Phone:	(858) 755-0216,
Affiliation Type Desc:	UST Tank Owner
Entity Name:	Las Posas Venture, Inc.
Entity Title:	Not reported
Affiliation Address:	1290 W Mission Rd.
Affiliation City:	San Marcos
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	92069-3036
Affiliation Phone:	(858) 755-0216,
Affiliation Type Desc:	CUPA District
Entity Name:	San Diego County Env Health Qlty
Entity Title:	Not reported
Affiliation Address:	PO Box 129261
Affiliation City:	San Diego
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92112-9261
Affiliation Phone:	(858) 505-6880,
Affiliation Type Desc:	Environmental Contact
Entity Name:	The Compliance Guys
Entity Title:	Not reported
Affiliation Address:	2161 Riviera Dr
Affiliation City:	Vista
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92084
Affiliation Phone:	,
Affiliation Type Desc:	UST Tank Operator
Entity Name:	Las Posas Venture, Inc.
Entity Title:	Not reported
Affiliation Address:	1290 W Mission Rd
Affiliation City:	San Marcos
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	92069
Affiliation Phone:	(858) 755-0216,
Name:	SAN MARCOS GAS

SAN MARCOS GAS (Continued) **S106071324**

Address: 1290 W MISSION RD
City,State,Zip: SAN MARCOS, CA 92069
Site ID: 214270
CERS ID: T0607383730
CERS Description: Leaking Underground Storage Tank Cleanup Site

Affiliation:
Affiliation Type Desc: Local Agency Caseworker
Entity Name: TONY SAWYER - SAN DIEGO COUNTY LOP
Entity Title: Not reported
Affiliation Address: P.O. Box 129261
Affiliation City: San Diego
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

AI188 **SAN MARCOS GAS** **Cortese** **S113126298**
NNW **1290 W MISSION RD** **HAZNET** **N/A**
1/4-1/2 **SAN MARCOS, CA 92069** **HWTS**
0.490 mi.
2585 ft. **Site 2 of 2 in cluster AI**

Relative:
Higher

Actual:
581 ft.

CORTESE:
Name: SAN MARCOS GAS
Address: 1290 W MISSION RD
City,State,Zip: SAN MARCOS, CA 92069
Region: CORTESE
Envirostor Id: Not reported
Global ID: T0607383730
Site/Facility Type: LUST CLEANUP SITE
Cleanup Status: COMPLETED - CASE CLOSED
Status Date: Not reported
Site Code: Not reported
Latitude: Not reported
Longitude: Not reported
Owner: Not reported
Enf Type: Not reported
Swat R: Not reported
Flag: active
Order No: Not reported
Waste Discharge System No: Not reported
Effective Date: Not reported
Region 2: Not reported
WID Id: Not reported
Solid Waste Id No: Not reported
Waste Management Uit Name: Not reported
File Name: Active Open

HAZNET:
Name: SAN MARCOS GAS
Address: 1290 W MISSION RD
Address 2: Not reported
City,State,Zip: SAN MARCOS, CA 92069
Contact: BRAD NAPIER
Telephone: 7607527082
Mailing Name: Not reported

SAN MARCOS GAS (Continued) **S113126298**

Mailing Address: 1290 W MISSION RD

Year: 2011
Gepaid: CAL000269947
TSD EPA ID: CAT080013352
CA Waste Code: 241 - Tank bottom waste
Disposal Method: H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Tons: 2.085

Year: 2006
Gepaid: CAL000269947
TSD EPA ID: AZR000035915
CA Waste Code: 134 - Aqueous solution with total organic residues less than 10 percent
Disposal Method: 01 -
Tons: 6.3

Year: 2004
Gepaid: CAL000269947
TSD EPA ID: KYD053348108
CA Waste Code: 213 - Hydrocarbon solvents (benzene, hexane, Stoddard, Etc.)
Disposal Method: -
Tons: 0.0375

Year: 2003
Gepaid: CAL000269947
TSD EPA ID: CAT080013352
CA Waste Code: 135 - Unspecified aqueous solution
Disposal Method: R01 - Recycler
Tons: 0.84

Year: 2003
Gepaid: CAL000269947
TSD EPA ID: CAT080033681
CA Waste Code: 352 - Other organic solids
Disposal Method: R01 - Recycler
Tons: 0.0015

Additional Info:
Year: 2011
Gen EPA ID: CAL000269947

Shipment Date: 20110930
Creation Date: 12/27/2011 18:30:48
Receipt Date: 20111010
Manifest ID: 002144765FLE
Trans EPA ID: CAT080016116
Trans Name: NIETO AND SONS TRUCKING INC
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDF EPA ID: CAT080013352
Trans Name: DEMENNO KERDOON
TSDF Alt EPA ID: Not reported
TSDF Alt Name: Not reported
Waste Code Description: 241 - Tank bottom waste 251 Still bottoms with halogenated organics

SAN MARCOS GAS (Continued) **S113126298**

RCRA Code: Not reported
Meth Code: H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons: 2.085
Waste Quantity: 500
Quantity Unit: G
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Additional Info:
Year: 2006
Gen EPA ID: CAL000269947

Shipment Date: 20061128
Creation Date: 7/11/2007 18:30:11
Receipt Date: 20061130
Manifest ID: 000102884FLE
Trans EPA ID: CAR000011205
Trans Name: EFR ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDF EPA ID: AZR000035915
Trans Name: DOME ROCK INDUSTRIES INC
TSDF Alt EPA ID: Not reported
TSDF Alt Name: Not reported
Waste Code Description: 134 - Aqueous solution with <10% total organic residues
RCRA Code: Not reported
Meth Code: 01 - Not reported
Quantity Tons: 6.3
Waste Quantity: 1500
Quantity Unit: G
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Additional Info:
Year: 2004
Gen EPA ID: CAL000269947

Shipment Date: 20041203
Creation Date: 2/16/2005 18:32:45
Receipt Date: Not reported
Manifest ID: 22959349
Trans EPA ID: TXR000050930
Trans Name: SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID: NED986382133
Trans 2 Name: SMITH SYSTEMS TRANSPORTAT
TSDF EPA ID: KYD053348108
Trans Name: SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID: Not reported
TSDF Alt Name: Not reported

SAN MARCOS GAS (Continued) **S113126298**

Waste Code Description:	213 - Hydrocarbon solvents (benzene, hexane, Stoddard, etc.
RCRA Code:	D001
Meth Code:	- Not reported
Quantity Tons:	0.0375
Waste Quantity:	75
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2003
Gen EPA ID:	CAL000269947
Shipment Date:	20030519
Creation Date:	7/20/2004 10:01:52
Receipt Date:	20030527
Manifest ID:	22453110
Trans EPA ID:	CAD028277036
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080033681
Trans Name:	Not reported
TSDF Alt EPA ID:	CAT080033681
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	R01 - Recycler
Quantity Tons:	0.0015
Waste Quantity:	3
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20030519
Creation Date:	7/20/2004 12:52:41
Receipt Date:	20030530
Manifest ID:	22453109
Trans EPA ID:	CAD028277036
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	Not reported
TSDF Alt EPA ID:	CAT080013352
TSDF Alt Name:	Not reported
Waste Code Description:	135 - Unspecified aqueous solution
RCRA Code:	Not reported
Meth Code:	R01 - Recycler
Quantity Tons:	0.84
Waste Quantity:	200

SAN MARCOS GAS (Continued) **S113126298**

Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

HWTS:

Name:	SAN MARCOS GAS
Address:	1290 W MISSION RD
Address 2:	Not reported
City,State,Zip:	SAN MARCOS, CA 92069
EPA ID:	CAL000269947
Inactive Date:	06/30/2011
Create Date:	05/02/2003
Last Act Date:	Not reported
Mailing Name:	Not reported
Mailing Address:	1290 W MISSION RD
Mailing Address 2:	Not reported
Mailing City,State,Zip:	SAN MARCOS, CA 920690000
Owner Name:	HARMS & NAPIER INC
Owner Address:	1290 W MISSION RD
Owner Address 2:	Not reported
Owner City,State,Zip:	SAN MARCOS, CA 920690000
Contact Name:	BRAD NAPIER
Contact Address:	1290 W MISSION RD
Contact Address 2:	Not reported
City,State,Zip:	SAN MARCOS, CA 920690000
Facility Status:	Inactive
Facility Type:	PERMANENT
Category:	STATE
Latitude:	33.148608
Longitude:	-117.188192

NAICS:

EPA ID:	CAL000269947
Create Date:	2003-05-02 15:24:04.670
NAICS Code:	44719
NAICS Description:	Other Gasoline Stations
Issued EPA ID Date:	2003-05-02 15:24:04.62300
Inactive Date:	2011-06-30 00:00:00
Facility Name:	SAN MARCOS GAS
Facility Address:	1290 W MISSION RD
Facility Address 2:	Not reported
Facility City:	SAN MARCOS
Facility County:	Not reported
Facility State:	CA
Facility Zip:	92069

189
NE
1/4-1/2
0.496 mi.
2621 ft.

Relative:
Higher

Actual:
577 ft.

PALOMAR COMMUNITY COLLEGE
1140 E MISSION RD
SAN MARCOS, CA 92069

Database(s): RCRA-SQG, LUST, SAN DIEGO CO. SAM, UST, AST, San Diego Co. HMMD, CERS HAZ WASTE, SWEEPS UST, HIST UST, CERS TANKS, FINDS, ECHO, Cortese, HAZNET, HIST CORTESE, NPDES, PEST LIC, SAN DIEGO CO LOP, CIWQS, CERS, HWTS

EDR ID Number: 1000334331
EPA ID Number: CAD981583057

RCRA Listings:

Date Form Received by Agency:	20181026
Handler Name:	PALOMAR COMMUNITY COLLEGE
Handler Address:	1140 W MISSION RD
Handler City,State,Zip:	SAN MARCOS, CA 92069-0000
EPA ID:	CAD981583057
Contact Name:	DERRICK JOHNSON
Contact Address:	W MISSION RD
Contact City,State,Zip:	SAN MARCOS, CA 92069-0000
Contact Telephone:	760-744-1150 3677
Contact Fax:	760-761-3506
Contact Email:	DJOHNSON1@PALOMAR.EDU
Contact Title:	MANAGER, EH&S
EPA Region:	09
Land Type:	District
Federal Waste Generator Description:	Small Quantity Generator
Non-Notifier:	Not reported
Biennial Report Cycle:	2017
Accessibility:	Not reported
Active Site Indicator:	Handler Activities
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	W MISSION RD
Mailing City,State,Zip:	SAN MARCOS, CA 92069-0000
Owner Name:	PALOMAR COMMUNITY COLLEGE
Owner Type:	District
Operator Name:	PALOMAR COMMUNITY COLLGE
Operator Type:	District
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No

PALOMAR COMMUNITY COLLEGE (Continued) **1000334331**

Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	NN
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20181126
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Biennial: List of Years
Year: 2017

Click Here for Biennial Reporting System Data:
Year: 2015

Click Here for Biennial Reporting System Data:
Year: 2013

PALOMAR COMMUNITY COLLEGE (Continued) **1000334331**

Click Here for Biennial Reporting System Data:

Hazardous Waste Summary:

Waste Code:	D001
Waste Description:	IGNITABLE WASTE
Waste Code:	D002
Waste Description:	CORROSIVE WASTE
Waste Code:	D003
Waste Description:	REACTIVE WASTE
Waste Code:	D005
Waste Description:	BARIUM
Waste Code:	D007
Waste Description:	CHROMIUM
Waste Code:	D008
Waste Description:	LEAD
Waste Code:	D009
Waste Description:	MERCURY
Waste Code:	D010
Waste Description:	SELENIUM
Waste Code:	D011
Waste Description:	SILVER
Waste Code:	D024
Waste Description:	M-CRESOL
Waste Code:	D028
Waste Description:	1,2-DICHLOROETHANE
Waste Code:	F003
Waste Description:	THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.
Waste Code:	F005
Waste Description:	THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

PALOMAR COMMUNITY COLLEGE (Continued) **1000334331**

Waste Code: P075
Waste Description: NICOTINE, & SALTS (OR) PYRIDINE, 3-(1-METHYL-2-PYRROLIDINYL)-,(S)-, & SALTS

Waste Code: P106
Waste Description: SODIUM CYANIDE (OR) SODIUM CYANIDE NA(CN)

Waste Code: U002
Waste Description: 2-PROPANONE (I) (OR) ACETONE (I)

Waste Code: U188
Waste Description: PHENOL

Handler - Owner Operator:
Owner/Operator Indicator: Owner
Owner/Operator Name: PALOMAR COMMUNITY COLLEGE
Legal Status: District
Date Became Current: 19460101
Date Ended Current: Not reported
Owner/Operator Address: 1140 W MISSION RD
Owner/Operator City,State,Zip: SAN MARCOS, CA 92069-0000
Owner/Operator Telephone: 760-744-1150
Owner/Operator Telephone Ext: 3677
Owner/Operator Fax: 760-761-3506
Owner/Operator Email: DJOHNSON1@PALOMAR.EDU

Owner/Operator Indicator: Operator
Owner/Operator Name: PALOMAR COMMUNITY COLLGE
Legal Status: District
Date Became Current: 19460101
Date Ended Current: Not reported
Owner/Operator Address: 1140 W MISSION RD
Owner/Operator City,State,Zip: SAN MARCOS, CA 92069-0000
Owner/Operator Telephone: 760-744-1150
Owner/Operator Telephone Ext: 3677
Owner/Operator Fax: 760-761-3506
Owner/Operator Email: DJOHNSON1@PALOMAR.EDU

Owner/Operator Indicator: Operator
Owner/Operator Name: NOT REQUIRED
Legal Status: State
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: NOT REQUIRED
Owner/Operator City,State,Zip: NOT REQUIRED, ME 99999
Owner/Operator Telephone: 415-555-1212
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator
Owner/Operator Name: NOT REQUIRED
Legal Status: State
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: NOT REQUIRED
Owner/Operator City,State,Zip: NOT REQUIRED, ME 99999

PALOMAR COMMUNITY COLLEGE (Continued) **1000334331**

Owner/Operator Telephone: 415-555-1212
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator
Owner/Operator Name: PALOMAR COMMUNITY COLLEGE
Legal Status: District
Date Became Current: 19460101
Date Ended Current: Not reported
Owner/Operator Address: Not reported
Owner/Operator City,State,Zip: Not reported
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner
Owner/Operator Name: PALOMAR COMMUNITY COLLEGE
Legal Status: District
Date Became Current: 19460101
Date Ended Current: Not reported
Owner/Operator Address: 1140 WEST MISSION ROAD
Owner/Operator City,State,Zip: SAN MARCOS, CA 92069
Owner/Operator Telephone: 760-744-1150
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner
Owner/Operator Name: PALOMAR COM COLLEGE
Legal Status: State
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: NOT REQUIRED
Owner/Operator City,State,Zip: NOT REQUIRED, ME 99999
Owner/Operator Telephone: 415-555-1212
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner
Owner/Operator Name: PALOMAR COMMUNITY COLLEGE
Legal Status: District
Date Became Current: 19460101
Date Ended Current: Not reported
Owner/Operator Address: 1140 WEST MISSION ROAD
Owner/Operator City,State,Zip: SAN MARCOS, CA 92069
Owner/Operator Telephone: 760-744-1150
Owner/Operator Telephone Ext: 3677
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator
Owner/Operator Name: PALOMAR COMMUNITY COLLEGE
Legal Status: District
Date Became Current: 19460101

PALOMAR COMMUNITY COLLEGE (Continued) **1000334331**

Date Ended Current: Not reported
Owner/Operator Address: Not reported
Owner/Operator City,State,Zip: Not reported
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:

Receive Date: 20140301
Handler Name: PALOMAR COMMUNITY COLLEGE
Federal Waste Generator Description: Small Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20160224
Handler Name: PALOMAR COMMUNITY COLLEGE
Federal Waste Generator Description: Small Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20181026
Handler Name: PALOMAR COMMUNITY COLLEGE
Federal Waste Generator Description: Small Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: No
Electronic Manifest Broker: No

Receive Date: 19960901
Handler Name: PALOMAR COMMUNITY COLLEGE
Federal Waste Generator Description: Large Quantity Generator
State District Owner: CA
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No

PALOMAR COMMUNITY COLLEGE (Continued) **1000334331**

Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 19960901
Handler Name: PALOMAR COMMUNITY COLLEGE
Federal Waste Generator Description: Small Quantity Generator
State District Owner: CA
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 19870115
Handler Name: PALOMAR COMMUNITY COLLEGE
Federal Waste Generator Description: Large Quantity Generator
State District Owner: CA
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 19920224
Handler Name: PALOMAR COMMUNITY COLLEGE
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Code: 61121
NAICS Description: JUNIOR COLLEGES

NAICS Code: 611210
NAICS Description: JUNIOR COLLEGES

Facility Has Received Notices of Violation:
Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: Generators - General
Date Violation was Determined: 19930524
Actual Return to Compliance Date: 19940523

PALOMAR COMMUNITY COLLEGE (Continued) **1000334331**

Return to Compliance Qualifier:	Unverifiable
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	Generators - General
Date Violation was Determined:	19920330
Actual Return to Compliance Date:	19930524
Return to Compliance Qualifier:	Unverifiable
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported

PALOMAR COMMUNITY COLLEGE (Continued) **1000334331**

Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: Generators - General
Date Violation was Determined: 20040212
Actual Return to Compliance Date: 20040324
Return to Compliance Qualifier: Observed
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: Not reported
Date of Enforcement Action: Not reported
Enforcement Responsible Agency: Not reported
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: Not reported
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: Generators - General
Date Violation was Determined: 20040212
Actual Return to Compliance Date: 20040324

PALOMAR COMMUNITY COLLEGE (Continued) **1000334331**

Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	Generators - General
Date Violation was Determined:	20040212
Actual Return to Compliance Date:	20040324
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported

PALOMAR COMMUNITY COLLEGE (Continued) **1000334331**

Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: Generators - General
Date Violation was Determined: 19940523
Actual Return to Compliance Date: 19990523
Return to Compliance Qualifier: Not Resolved
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: Not reported
Date of Enforcement Action: Not reported
Enforcement Responsible Agency: Not reported
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: Not reported
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Evaluation Action Summary:
Evaluation Date: 19930524
Evaluation Responsible Agency: State Contractor/Grantee
Found Violation: Yes
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE

PALOMAR COMMUNITY COLLEGE (Continued) **1000334331**

Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19940523
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	19920330
Evaluation Responsible Agency:	State Contractor/Grantee
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19930524
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	20040212
Evaluation Responsible Agency:	State Contractor/Grantee
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	20040324
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	20040212
Evaluation Responsible Agency:	State Contractor/Grantee
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	20040324
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	20040212
Evaluation Responsible Agency:	State Contractor/Grantee
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	20040324
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported

PALOMAR COMMUNITY COLLEGE (Continued) **1000334331**

Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19940523
Evaluation Responsible Agency:	State Contractor/Grantee
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19990523
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

LUST:

Name:	PALOMAR COMMUNITY COLLEGE
Address:	1140 W MISSION RD
City,State,Zip:	SAN MARCOS, CA 920691415
Lead Agency:	SAN DIEGO COUNTY LOP
Case Type:	LUST Cleanup Site
Geo Track:	http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0607300263
Global Id:	T0607300263
Latitude:	33.147312
Longitude:	-117.185293
Status:	Completed - Case Closed
Status Date:	04/02/1991
Case Worker:	Not reported
RB Case Number:	9UT1436
Local Agency:	Not reported
File Location:	Local Agency
Local Case Number:	H03452-001
Potential Media Affect:	Soil
Potential Contaminants of Concern:	Gasoline
Site History:	Not reported

LUST:

Global Id:	T0607300263
Action Type:	Other
Date:	06/07/1989
Action:	Leak Reported
Global Id:	T0607300263
Action Type:	ENFORCEMENT
Date:	04/02/1991
Action:	Closure/No Further Action Letter
Global Id:	T0607300263
Action Type:	Other
Date:	06/07/1989
Action:	Leak Began
Global Id:	T0607300263
Action Type:	Other

PALOMAR COMMUNITY COLLEGE (Continued) **1000334331**

Date: 06/07/1989
Action: Leak Stopped

Global Id: T0607300263
Action Type: Other
Date: 06/07/1989
Action: Leak Discovery

LUST:
Global Id: T0607300263
Status: Open - Case Begin Date
Status Date: 06/07/1989

Global Id: T0607300263
Status: Completed - Case Closed
Status Date: 04/02/1991

Name: PALOMAR COMMUNITY COLLEGE
Address: 1140 W MISSION RD
City,State,Zip: SAN MARCOS, CA 920691415
Lead Agency: SAN DIEGO COUNTY LOP
Case Type: LUST Cleanup Site
Geo Track: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0607301391
Global Id: T0607301391
Latitude: 33.147312
Longitude: -117.185293
Status: Completed - Case Closed
Status Date: 03/22/1996
Case Worker: Not reported
RB Case Number: 9UT2643
Local Agency: Not reported
File Location: Local Agency
Local Case Number: H03452-002
Potential Media Affect: Soil
Potential Contaminants of Concern: Gasoline
Site History: Not reported

LUST:
Global Id: T0607301391
Action Type: Other
Date: 12/23/1993
Action: Leak Reported

Global Id: T0607301391
Action Type: Other
Date: 12/23/1993
Action: Leak Began

Global Id: T0607301391
Action Type: Other
Date: 12/23/1993
Action: Leak Stopped

Global Id: T0607301391
Action Type: ENFORCEMENT
Date: 03/22/1996

PALOMAR COMMUNITY COLLEGE (Continued) **1000334331**

Action: Closure/No Further Action Letter

Global Id: T0607301391
Action Type: Other
Date: 12/23/1993
Action: Leak Discovery

LUST:
Global Id: T0607301391
Status: Open - Case Begin Date
Status Date: 12/23/1993

Global Id: T0607301391
Status: Completed - Case Closed
Status Date: 03/22/1996

LUST REG 9:
Region: 9
Status: Case Closed
Case Number: 9UT1436
Local Case: H03452-001
Substance: Gasoline
Qty Leaked: Not reported
Abate Method: Not reported
Local Agency: San Diego
How Found: Tank Closure
How Stopped: Close Tank
Source: Not reported
Cause: Not reported
Lead Agency: Local Agency
Case Type: Aquifer affected
Date Found: 05/26/1989
Date Stopped: 05/26/1989
Confirm Date: 06/07/1989
Submit Workplan: Not reported
Prelim Assess: 06/12/1989
Desc Pollution: Not reported
Remed Plan: / /
Remed Action: Not reported
Began Monitor: Not reported
Release Date: 06/12/1989
Enforce Date: Not reported
Closed Date: 4/2/91
Enforce Type: Not reported
Pilot Program: LOP
Basin Number: 904.52
GW Depth: >21'
Beneficial Use: Municipal groundwater use
NPDES Number: Not reported
Priority: Low priority. Priority ranking can change over time.
File Dispn: File discarded, case closed
Interim Remedial Actions: Yes
Cleanup and Abatement order Number: Not reported
Waste Discharge Requirement Number: Not reported

PALOMAR COMMUNITY COLLEGE (Continued) **1000334331**

Region: 9
Status: Case Closed
Case Number: 9UT2643
Local Case: H03452-002
Substance: Gasoline
Qty Leaked: Not reported
Abate Method: Not reported
Local Agency: San Diego
How Found: Tank Closure
How Stopped: Close Tank
Source: Tank
Cause: Structure Failure
Lead Agency: Local Agency
Case Type: Soil only
Date Found: 12/23/1993
Date Stopped: 12/23/1993
Confirm Date: / /
Submit Workplan: Not reported
Prelim Assess: 12/23/1993
Desc Pollution: Not reported
Remed Plan: / /
Remed Action: Not reported
Began Monitor: Not reported
Release Date: 12/29/1993
Enforce Date: Not reported
Closed Date: 3/22/96
Enforce Type: Not reported
Pilot Program: LOP
Basin Number: 904.52
GW Depth: 10’
Beneficial Use: Municipal groundwater use
NPDES Number: Not reported
Priority: 2B
File Dispn: File discarded, case closed
Interim Remedial Actions: Yes
Cleanup and Abatement order Number: Not reported
Waste Discharge Requirement Number: Not reported

SAN DIEGO CO. SAM:

Name: PALOMAR COMMUNITY COLLEGE
Address: 1140 W MISSION RD
City,State,Zip: SAN MARCOS, CA 920691415
Case Number: H03452-001
Agency: DEH Site Assessment & Mitigation
Funding: **LOP - Federal Fund**
Facility Type: Soils Only
Facility Status: Closed Case
Date: 4/2/1991
Date Began: 6/7/1989

Name: PALOMAR COMMUNITY COLLEGE
Address: 1140 W MISSION RD
City,State,Zip: SAN MARCOS, CA 920691415
Case Number: H03452-002
Agency: DEH Site Assessment & Mitigation
Funding: **LOP - Federal Fund**
Facility Type: Soils Only

PALOMAR COMMUNITY COLLEGE (Continued) **1000334331**

Facility Status: Closed Case
Date: 3/22/1996
Date Began: 12/23/1993

UST:
Name: PALOMAR COMMUNITY COLLEGE
Address: 1140 W MISSION RD
City,State,Zip: SAN MARCOS, CA 92069
Facility ID: H03452
Permitting Agency: SAN DIEGO COUNTY
CERSID: Not reported
Latitude: 33.14737
Longitude: -117.18588

AST:
Name: PALOMAR COMMUNITY COLLEGE
Address: 1140 W MISSION RD
City/Zip: SAN MARCOS,92069
Certified Unified Program Agencies: Not reported
Owner: PALOMAR COMMUNITY COLLEGE DISTR
Total Gallons: Not reported
CERSID: 10375639
Facility ID: 37-000-103452
Business Name: PALOMAR COMMUNITY COLLEGE
Phone: 760-744-1150
Fax: Not reported
Mailing Address: 1140 W MISSION RD
Mailing Address City: SAN MARCOS
Mailing Address State: CA
Mailing Address Zip Code: Not reported
Operator Name: PALOMAR COMMUNITY COLLEGE
Operator Phone: 760-744-1150
Owner Phone: 760-744-1150
Owner Mail Address: 1140 W MISSION RD
Owner State: CA
Owner Zip Code: 92069
Owner Country: United States
Property Owner Name: PALOMAR COMMUNITY COLLEGE DISTR
Property Owner Phone: 760-744-1150
Property Owner Mailing Address: 1140 W MISSION RD
Property Owner City: SAN MARCOS
Property Owner Stat : CA
Property Owner Zip Code: 92069
Property Owner Country: United States
EPAID: CAD981583057

HMMD SAN DIEGO:
Name: PALOMAR COMMUNITY COLLEGE
Address: 1140 W MISSION RD
City,State,Zip: SAN MARCOS, CA 92069
Permit Number: Not reported
Business Type: Not reported
EPA Id Number: CAD981583057
APN: Not reported
Last HMMD Inspection: Not reported
Facility Telephone: 760-744-1150

PALOMAR COMMUNITY COLLEGE (Continued) **1000334331**

Permit Status:	Permit Renewed
Permit Expiration:	Not reported
Date Last Updated:	09/18/2021
Facility Owner:	Not reported
Facility Mailing Address:	1140 W MISSION RD, SAN MARCOS, CA 92069-1415
Facility Mailing City:	Not reported
Facility Mailing State:	Not reported
Facility Mailing Zip:	Not reported
UST Owner:	N
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Y
Treat Haz Waste:	N
Generate Medical Waste:	Not reported

Inspection Violation:

Record ID:	DEH2002-HUPFP-103452
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-103452
Program Element:	Medical Waste
Inspection Type:	Routine
Inspection Number:	5153771
Return To Compliance Date:	2015-08-06T00:00:00.000
Nov:	No
Violation Classification:	Class II
Underground Storage Tank Id:	Not reported
Container/Tank Id:	Not reported
Last Update:	2021-09-18T01:37:28.000
Inspection Date:	2015-07-08T00:00:00.000
Violation Code:	HMD4254 No records of annual thermometer calibration checks onsite for at least the past 3 years. 118215(2)(B)

Record ID:	DEH2002-HUPFP-103452
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-103452
Program Element:	Medical Waste
Inspection Type:	Routine
Inspection Number:	4485960
Return To Compliance Date:	2014-02-10T00:00:00.000
Nov:	No
Violation Classification:	Class II
Underground Storage Tank Id:	Not reported
Container/Tank Id:	Not reported
Last Update:	2021-09-18T01:37:28.000
Inspection Date:	2014-01-22T17:01:00.000
Violation Code:	4258 Treatment records/logs of dates, time, and temperature not available for 3 years. 118215(2)(E)

Record ID:	DEH2002-HUPFP-103452
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-103452
Program Element:	Hazardous Waste Generator
Inspection Type:	Routine
Inspection Number:	5451617

PALOMAR COMMUNITY COLLEGE (Continued) **1000334331**

Return To Compliance Date:	2016-05-20T00:00:00.000
Nov:	No
Violation Classification:	Minor
Underground Storage Tank Id:	Not reported
Container/Tank Id:	Not reported
Last Update:	2021-09-18T01:37:28.000
Inspection Date:	2016-05-20T08:47:00.000
Violation Code:	3030007 Failed to properly label/date hazardous waste container and/or tank. 22 CCR 66262.34(f)

Record ID:	DEH2002-HUPFP-103452
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-103452
Program Element:	Hazardous Materials Release Response Plans
Inspection Type:	Routine
Inspection Number:	5153771
Return To Compliance Date:	2015-08-06T00:00:00.000
Nov:	No
Violation Classification:	Class II
Underground Storage Tank Id:	Not reported
Container/Tank Id:	Not reported
Last Update:	2021-09-18T01:37:28.000
Inspection Date:	2015-07-08T00:00:00.000
Violation Code:	HMD1001 Unified Program Facility permit not obtained for hazardous materials. SDCC 68.905

Record ID:	DEH2002-HUPFP-103452
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-103452
Program Element:	Hazardous Waste Generator
Inspection Type:	Routine
Inspection Number:	5153771
Return To Compliance Date:	2015-08-06T00:00:00.000
Nov:	No
Violation Classification:	Class II
Underground Storage Tank Id:	Not reported
Container/Tank Id:	Not reported
Last Update:	2021-09-18T01:37:28.000
Inspection Date:	2015-07-08T00:00:00.000
Violation Code:	3010001 Unified Program Facility (UPF) permit not obtained for the generation of hazardous waste. HSC 25404.1; SDCC 68.905

Record ID:	DEH2002-HUPFP-103452
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-103452
Program Element:	Hazardous Materials Release Response Plans
Inspection Type:	Routine
Inspection Number:	5451617
Return To Compliance Date:	2016-06-15T00:00:00.000
Nov:	No
Violation Classification:	Minor
Underground Storage Tank Id:	Not reported
Container/Tank Id:	Not reported
Last Update:	2021-09-18T01:37:28.000

PALOMAR COMMUNITY COLLEGE (Continued) **1000334331**

Inspection Date:	2016-05-20T08:47:00.000
Violation Code:	HMD1008 Annual carcinogen/reproductive toxin list not submitted. SDCC 68.1113(c)
Record ID:	DEH2002-HUPFP-103452
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-103452
Program Element:	Medical Waste
Inspection Type:	Routine
Inspection Number:	4485960
Return To Compliance Date:	2014-02-10T00:00:00.000
Nov:	No
Violation Classification:	Class II
Underground Storage Tank Id:	Not reported
Container/Tank Id:	Not reported
Last Update:	2021-09-18T01:37:28.000
Inspection Date:	2014-01-22T17:01:00.000
Violation Code:	4352 Records of medical waste treatment not available for 3 years. 117975, 118215(2)(E)
Record ID:	DEH2002-HUPFP-103452
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-103452
Program Element:	Medical Waste
Inspection Type:	Routine
Inspection Number:	4485960
Return To Compliance Date:	2014-02-10T00:00:00.000
Nov:	No
Violation Classification:	Class II
Underground Storage Tank Id:	Not reported
Container/Tank Id:	Not reported
Last Update:	2021-09-18T01:37:28.000
Inspection Date:	2014-01-22T17:01:00.000
Violation Code:	4351 MWMP not submitted to HMD (initial/updates). 117960, 117970
Record ID:	DEH2002-HUPFP-103452
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-103452
Program Element:	Medical Waste
Inspection Type:	Routine
Inspection Number:	5153771
Return To Compliance Date:	2015-08-06T00:00:00.000
Nov:	No
Violation Classification:	Class II
Underground Storage Tank Id:	Not reported
Container/Tank Id:	Not reported
Last Update:	2021-09-18T01:37:28.000
Inspection Date:	2015-07-08T00:00:00.000
Violation Code:	HMD4253 Recording thermometer not calibrated annually.118215(2)(B)
Record ID:	DEH2002-HUPFP-103452
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-103452

PALOMAR COMMUNITY COLLEGE (Continued) **1000334331**

Program Element:	Medical Waste
Inspection Type:	Routine
Inspection Number:	4485960
Return To Compliance Date:	2014-02-10T00:00:00.000
Nov:	No
Violation Classification:	Class II
Underground Storage Tank Id:	Not reported
Container/Tank Id:	Not reported
Last Update:	2021-09-18T01:37:28.000
Inspection Date:	2014-01-22T17:01:00.000
Violation Code:	4255 Heat-sensitive tape/other approved method not used for each load treated onsite. 118215(2)(C)

Record ID:	DEH2002-HUPFP-103452
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-103452
Program Element:	Medical Waste
Inspection Type:	Routine
Inspection Number:	4485960
Return To Compliance Date:	2014-02-10T00:00:00.000
Nov:	No
Violation Classification:	Class II
Underground Storage Tank Id:	Not reported
Container/Tank Id:	Not reported
Last Update:	2021-09-18T01:37:28.000
Inspection Date:	2014-01-22T17:01:00.000
Violation Code:	4256 Monthly biological indicator or other approved method not used to confirm proper disinfection. 118215(2)(D)

Record ID:	DEH2002-HUPFP-103452
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-103452
Program Element:	Medical Waste
Inspection Type:	Routine
Inspection Number:	5153771
Return To Compliance Date:	2015-08-06T00:00:00.000
Nov:	No
Violation Classification:	Class II
Underground Storage Tank Id:	Not reported
Container/Tank Id:	Not reported
Last Update:	2021-09-18T01:37:28.000
Inspection Date:	2015-07-08T00:00:00.000
Violation Code:	HMD4256 Monthly biological indicator or other approved method not used to confirm proper disinfection. 118215(2)(D)

Record ID:	DEH2002-HUPFP-103452
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-103452
Program Element:	Hazardous Waste Generator
Inspection Type:	Routine
Inspection Number:	4485960
Return To Compliance Date:	2014-01-23T00:00:00.000
Nov:	No
Violation Classification:	Class II

PALOMAR COMMUNITY COLLEGE (Continued) **1000334331**

Underground Storage Tank Id:	Not reported
Container/Tank Id:	Not reported
Last Update:	2021-09-18T01:37:28.000
Inspection Date:	2014-01-22T17:01:00.000
Violation Code:	3030007 Failure to properly label hazardous waste accumulation containers with the following requirements: "Hazardous Waste", name and address of the generator, physical and chemical characteristics of the Hazardous Waste, and starting accumulation date.; 22 CCR 12 66262.34(f).
Record ID:	DEH2002-HUPFP-103452
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-103452
Program Element:	Hazardous Waste Generator
Inspection Type:	Routine
Inspection Number:	5451617
Return To Compliance Date:	2016-05-20T00:00:00.000
Nov:	No
Violation Classification:	Minor
Underground Storage Tank Id:	Not reported
Container/Tank Id:	Not reported
Last Update:	2021-09-18T01:37:28.000
Inspection Date:	2016-05-20T08:47:00.000
Violation Code:	3030008 Failed to properly label or mark a universal waste (non-Conditionally Exempt Small Quantity Universal Waste Generator). 22 CCR 66273.34
Record ID:	DEH2002-HUPFP-103452
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-103452
Program Element:	Hazardous Materials Release Response Plans
Inspection Type:	Routine
Inspection Number:	4485960
Return To Compliance Date:	2014-01-23T00:00:00.000
Nov:	No
Violation Classification:	Class II
Underground Storage Tank Id:	Not reported
Container/Tank Id:	Not reported
Last Update:	2021-09-18T01:37:28.000
Inspection Date:	2014-01-22T17:01:00.000
Violation Code:	1010007 Failure to submit a revised business plan upon a substantial change in the handler’s operations; HSC 6.95 25505(b).
Record ID:	DEH2002-HUPFP-103452
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-103452
Program Element:	Medical Waste
Inspection Type:	Routine
Inspection Number:	5153771
Return To Compliance Date:	2015-08-06T00:00:00.000
Nov:	No
Violation Classification:	Class II
Underground Storage Tank Id:	Not reported
Container/Tank Id:	Not reported

PALOMAR COMMUNITY COLLEGE (Continued) **1000334331**

Last Update:	2021-09-18T01:37:28.000
Inspection Date:	2015-07-08T00:00:00.000
Violation Code:	HMD4201 UPF Permit not obtained. 117705, 68.905
Record ID:	DEH2002-HUPFP-103452
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-103452
Program Element:	Medical Waste
Inspection Type:	Routine
Inspection Number:	5153771
Return To Compliance Date:	2015-08-06T00:00:00.000
Nov:	No
Violation Classification:	Class II
Underground Storage Tank Id:	Not reported
Container/Tank Id:	Not reported
Last Update:	2021-09-18T01:37:28.000
Inspection Date:	2015-07-08T00:00:00.000
Violation Code:	HMD4252 Standardized written operating procedures for steam sterilization not available. 118215(2)(A)
Record ID:	DEH2002-HUPFP-103452
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-103452
Program Element:	Hazardous Waste Generator
Inspection Type:	Routine
Inspection Number:	5451617
Return To Compliance Date:	2016-05-20T00:00:00.000
Nov:	No
Violation Classification:	Minor
Underground Storage Tank Id:	Not reported
Container/Tank Id:	Not reported
Last Update:	2021-09-18T01:37:28.000
Inspection Date:	2016-05-20T08:47:00.000
Violation Code:	3030017 Failed to properly close hazardous waste container(s). (40 CFR 262.34(d)(2); 265.173.) 22 CCR 66262.34(d)(2)
Record ID:	DEH2002-HUPFP-103452
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-103452
Program Element:	Hazardous Waste Generator
Inspection Type:	Routine
Inspection Number:	4485960
Return To Compliance Date:	2014-01-23T00:00:00.000
Nov:	No
Violation Classification:	Class II
Underground Storage Tank Id:	Not reported
Container/Tank Id:	Not reported
Last Update:	2021-09-18T01:37:28.000
Inspection Date:	2014-01-22T17:01:00.000
Violation Code:	HMD0226 Did not accumulate waste in container or tank. 66262.34(d)(2).
Record ID:	DEH2002-HUPFP-103452
Permit Status:	Permit Renewed
Active Permit:	Y

PALOMAR COMMUNITY COLLEGE (Continued) **1000334331**

Facility Id Number:	37-000-103452
Program Element:	Hazardous Materials Release Response Plans
Inspection Type:	Routine
Inspection Number:	5153771
Return To Compliance Date:	2015-12-24T00:00:00.000
Nov:	No
Violation Classification:	Class II
Underground Storage Tank Id:	Not reported
Container/Tank Id:	Not reported
Last Update:	2021-09-18T01:37:28.000
Inspection Date:	2015-07-08T00:00:00.000
Violation Code:	1010006 HMBP not updated to reflect inventory changes or facility information. HSC 25508.1(a-e)

Record ID:	DEH2002-HUPFP-103452
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-103452
Program Element:	Medical Waste
Inspection Type:	Routine
Inspection Number:	4485960
Return To Compliance Date:	2014-02-10T00:00:00.000
Nov:	No
Violation Classification:	Class II
Underground Storage Tank Id:	Not reported
Container/Tank Id:	Not reported
Last Update:	2021-09-18T01:37:28.000
Inspection Date:	2014-01-22T17:01:00.000
Violation Code:	4252 Standardized written operating procedures for steam sterilization not available. 118215(2)(A)

Record ID:	DEH2002-HUPFP-103452
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-103452
Program Element:	Medical Waste
Inspection Type:	Routine
Inspection Number:	4485960
Return To Compliance Date:	2014-02-10T00:00:00.000
Nov:	No
Violation Classification:	Class II
Underground Storage Tank Id:	Not reported
Container/Tank Id:	Not reported
Last Update:	2021-09-18T01:37:28.000
Inspection Date:	2014-01-22T17:01:00.000
Violation Code:	4501 Onsite MW treatment permit not obtained/renewed. 117950, 118130, 118135, 65620, 65623

Record ID:	DEH2002-HUPFP-103452
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-103452
Program Element:	Medical Waste
Inspection Type:	Routine
Inspection Number:	5451617
Return To Compliance Date:	2016-06-15T00:00:00.000
Nov:	No

PALOMAR COMMUNITY COLLEGE (Continued) **1000334331**

Violation Classification: Minor
Underground Storage Tank Id: Not reported
Container/Tank Id: Not reported
Last Update: 2021-09-18T01:37:28.000
Inspection Date: 2016-05-20T08:47:00.000
Violation Code: HMD4301 Medical Waste Management Plan (MWMP) not submitted to HMD (initial/updates), if onsite treatment. HSC 117935

Record ID: DEH2002-HUPFP-103452
Permit Status: Permit Renewed
Active Permit: Y
Facility Id Number: 37-000-103452
Program Element: Hazardous Waste Generator
Inspection Type: Routine
Inspection Number: 4485960
Return To Compliance Date: 2014-01-23T00:00:00.000
Nov: No
Violation Classification: Class II
Underground Storage Tank Id: Not reported
Container/Tank Id: Not reported
Last Update: 2021-09-18T01:37:28.000
Inspection Date: 2014-01-22T17:01:00.000
Violation Code: 3030046 Failure of the universal waste handler to properly package, label, mark, placard, or prepare and retain shipping papers for all universal waste being shipped to another universal waste handler, destination facility, or foreign facility. 22 CCR 23 66273.38; 49 CFR 1 172.201(e).

UST DTL:
Record ID: DEH2002-HUPFP-103452
Permit Status: Permit Renewed
Active Permit: Y
Facility Id Number: 37-000-103452
Facility Type (Ust Facility): Not reported
Tank Owner Name: PALOMAR COMMUNITY COLLEGE
Tankid: 17437
Tank Status: Removed
Date Ust Permanently Closed: 12/23/1993
Tank Use: 01
Piping System Type: Not reported
Last Updated: 2021-09-18T01:37:34.000
Tank Capacityin Gallons: 1000
Tank Contents: 1A
Type Of Tank: 01

Record ID: DEH2002-HUPFP-103452
Permit Status: Permit Renewed
Active Permit: Y
Facility Id Number: 37-000-103452
Facility Type (Ust Facility): Not reported
Tank Owner Name: PALOMAR COMMUNITY COLLEGE
Tankid: 17438
Tank Status: Closed In Place
Date Ust Permanently Closed: 06/01/2004
Tank Use: 01
Piping System Type: 01
Last Updated: 2021-09-18T01:37:34.000

PALOMAR COMMUNITY COLLEGE (Continued) **1000334331**

Tank Capacityin Gallons: 2000
Tank Contents: 1A
Type Of Tank: 02

Record ID: DEH2002-HUPFP-103452
Permit Status: Permit Renewed
Active Permit: Y
Facility Id Number: 37-000-103452
Facility Type (Ust Facility): Not reported
Tank Owner Name: PALOMAR COMMUNITY COLLEGE
Tankid: 17436
Tank Status: Removed
Date Ust Permanently Closed: 05/26/1989
Tank Use: 01
Piping System Type: 02
Last Updated: 2021-09-18T01:37:34.000
Tank Capacityin Gallons: 2000
Tank Contents: 1A
Type Of Tank: 01

Waste and Materials:
Record ID: DEH2002-HUPFP-103452
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HCHEM-0133170
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2017-06-14T02:34:06.000
Chemical Name: SODIUM-HYPOCHLORITE, 12.5%
Common Name: Chlorine
Case Number: 7681-52-9

Record ID: DEH2002-HUPFP-103452
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HCHEM-0133171
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2017-06-14T02:34:06.000
Chemical Name: DIESEL FUEL
Common Name: DIESEL FUEL
Case Number: 68476-34-6

Record ID: DEH2002-HUPFP-103452
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HCHEM-0133172
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2017-06-14T02:34:06.000
Chemical Name: ARGON
Common Name: ARGON
Case Number: 7440-37-1

Record ID: DEH2002-HUPFP-103452
Permit Status: Permit Renewed
Active Permit: Y

PALOMAR COMMUNITY COLLEGE (Continued) **1000334331**

Child Record Id: DEH2017-HCHEM-0133173
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2017-06-14T02:34:06.000
Chemical Name: CARBON DIOXIDE COMPRESSED GAS
Common Name: CARBON DIOXIDE COMPRESSED GAS
Case Number: 124-38-9

Record ID: DEH2002-HUPFP-103452
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HCHEM-0133174
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2017-06-14T02:34:06.000
Chemical Name: OXYGEN GAS
Common Name: OXYGEN GAS
Case Number: 7782-44-7

Record ID: DEH2002-HUPFP-103452
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HCHEM-0133175
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2017-06-14T02:34:06.000
Chemical Name: ACETYLENE COMPRESSED GAS
Common Name: ACETYLENE COMPRESSED GAS
Case Number: 74-86-2

Record ID: DEH2002-HUPFP-103452
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HCHEM-0133176
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2017-06-14T02:34:06.000
Chemical Name: Hydrochloric Acid
Common Name: Hydrochloric Acid
Case Number: 7647-01-0

Record ID: DEH2002-HUPFP-103452
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HCHEM-0133177
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2017-06-14T02:34:06.000
Chemical Name: Propane
Common Name: Liquefied Petroleum Gas (lpg)
Case Number: 74-98-6

Record ID: DEH2002-HUPFP-103452
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HCHEM-0133178
Trade Secret: N

PALOMAR COMMUNITY COLLEGE (Continued) **1000334331**

Hazardous Material Type: Pure
Last Updated: 2017-06-14T02:34:06.000
Chemical Name: Hydrogen
Common Name: Hydrogen
Case Number: 1333-74-0

Record ID: DEH2002-HUPFP-103452
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HWAST-0111416
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2017-06-14T02:34:06.000
Chemical Name: REGULATED MEDICAL WASTE, N.O.S.
Common Name: REGULATED MEDICAL WASTE, N.O.S.
Case Number: Not reported

Record ID: DEH2002-HUPFP-103452
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HWAST-0111417
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2017-06-14T02:34:06.000
Chemical Name: WASTE PROPYLENE GLYCOL SOLUTIONS
Common Name: WASTE ANTIFREEZE
Case Number: Not reported

Record ID: DEH2002-HUPFP-103452
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HWAST-0111418
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2017-06-14T02:34:06.000
Chemical Name: WASTE LAB PACKS, LIQUIDS (RCRA)
Common Name: WASTE LAB PACKS, LIQUIDS
Case Number: Not reported

Record ID: DEH2002-HUPFP-103452
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HWAST-0111419
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2017-06-14T02:34:06.000
Chemical Name: WASTE LAB PACKS, SOLIDS (RCRA)
Common Name: WASTE LAB PACKS, SOLIDS
Case Number: Not reported

Record ID: DEH2002-HUPFP-103452
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HWAST-0111420
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2017-06-14T02:34:06.000

PALOMAR COMMUNITY COLLEGE (Continued) **1000334331**

Chemical Name: WASTE PAINT RELATED MATERIAL (RCRA)
Common Name: WASTE PAINT RELATED MATERIAL (RCRA)
Case Number: Not reported

Record ID: DEH2002-HUPFP-103452
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HWAST-0111421
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2017-06-14T02:34:06.000
Chemical Name: WASTE MEDICINE, LIQUID, N.O.S. (PHARMACEUTICAL PRESCRIPTIONS)
Common Name: WASTE MEDICINE, LIQUID, N.O.S. (PHARMACEUTICAL PRESCRIPTIONS)
Case Number: Not reported

Record ID: DEH2002-HUPFP-103452
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HWAST-0111422
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2017-06-14T02:34:06.000
Chemical Name: HAZARDOUS WASTE LIQUID, N.O.S. (NON-RCRA)
Common Name: WASTE AQUEOUS BREAK CLEANER & PARTS WASHER SOLUTION
Case Number: Not reported

Record ID: DEH2002-HUPFP-103452
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HWAST-0111423
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2017-06-14T02:34:06.000
Chemical Name: HAZARDOUS WASTE SOLID, (NON-RCRA)
Common Name: WASTE CERAMIC GLAZE
Case Number: Not reported

Record ID: DEH2002-HUPFP-103452
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HWAST-0111424
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2017-06-14T02:34:06.000
Chemical Name: WASTE COMBUSTIBLE LIQUID,N.O.S., (DECAMETHYCYCLOPENTASILOXANE)
Common Name: WASTE DECAMETHYCYCLOPENTASILOXANE
Case Number: Not reported

Record ID: DEH2002-HUPFP-103452
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HWAST-0111425
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2017-06-14T02:34:06.000
Chemical Name: HAZARDOUS WASTE LIQUID, (OILY WATER)
Common Name: WASTE OILY WATER

PALOMAR COMMUNITY COLLEGE (Continued) **1000334331**

Case Number: Not reported

Record ID: DEH2002-HUPFP-103452
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HWAST-0111426
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2017-06-14T02:34:06.000
Chemical Name: HAZARDOUS WASTE LIQUID, (NON-RCRA)
Common Name: WASTE USED OIL/MIXED OIL
Case Number: Not reported

Record ID: DEH2002-HUPFP-103452
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HWAST-0111427
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2017-06-14T02:34:06.000
Chemical Name: HAZARDOUS WASTE LIQUID, (NON-RCRA)
Common Name: WASTE LATEX PAINT & WATER
Case Number: Not reported

Record ID: DEH2002-HUPFP-103452
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HWAST-0111428
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2017-06-14T02:34:06.000
Chemical Name: HAZARDOUS WASTE SOLID, (NON-RCRA)
Common Name: WASTE OILY RAGS
Case Number: Not reported

Record ID: DEH2002-HUPFP-103452
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HWAST-0111429
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2017-06-14T02:34:06.000
Chemical Name: HAZARDOUS WASTE SOLID, (NON-RCRA)
Common Name: WASTE LEAD CHROMIUM
Case Number: Not reported

Record ID: DEH2002-HUPFP-103452
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HWAST-0111430
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2017-06-14T02:34:06.000
Chemical Name: HAZARDOUS WASTE SOLID, (CRUSHED FLUORESCENT LAMPS/W MERCURY)
Common Name: HAZARDOUS WASTE SOLID, (CRUSHED FLUORESCENT LAMPS/W MERCURY)
Case Number: Not reported

PALOMAR COMMUNITY COLLEGE (Continued) **1000334331**

Record ID: DEH2002-HUPFP-103452
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HWAST-0111431
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2017-06-14T02:34:06.000
Chemical Name: WASTE ASBESTOS
Common Name: WASTE ASBESTOS
Case Number: Not reported

Record ID: DEH2002-HUPFP-103452
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HWAST-0111432
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2017-06-14T02:34:06.000
Chemical Name: REGULATED MEDICAL WASTE, N.O.S.
Common Name: REGULATED MEDICAL WASTE, N.O.S.
Case Number: Not reported

Record ID: DEH2002-HUPFP-103452
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HWAST-0111433
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2017-06-14T02:34:06.000
Chemical Name: REGULATED MEDICAL WASTE, N.O.S.
Common Name: REGULATED MEDICAL WASTE, N.O.S.
Case Number: Not reported

Record ID: DEH2002-HUPFP-103452
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HWAST-0111434
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2017-06-14T02:34:06.000
Chemical Name: HAZARDOUS WASTE , SOLID (SILICA DEBRIS) (NON-RCRA)
Common Name: HAZARDOUS WASTE , SOLID (SILICA DEBRIS) (NON-RCRA)
Case Number: Not reported

Record ID: DEH2002-HUPFP-103452
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2017-HWAST-0111435
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2017-06-14T02:34:06.000
Chemical Name: WASTE GASOLINE
Common Name: WASTE GASOLINE
Case Number: Not reported

Record ID: DEH2002-HUPFP-103452
Permit Status: Permit Renewed

PALOMAR COMMUNITY COLLEGE (Continued) **1000334331**

Active Permit: Y
Child Record Id: DEH2017-HWAST-0111436
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2017-06-14T02:34:06.000
Chemical Name: WASTE AEROSOLS, FLAMMABLE (each not exceeding 1 L capacity)
Common Name: WASTE AEROSOLS, FLAMMABLE (each not exceeding 1 L capacity)
Case Number: Not reported

Record ID: DEH2002-HUPFP-103452
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2021-HCHEM-0309340
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2021-09-18T01:37:33.000
Chemical Name: OXYGEN GAS
Common Name: OXYGEN GAS
Case Number: 7782-44-7

Record ID: DEH2002-HUPFP-103452
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2021-HCHEM-0309341
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2021-09-18T01:37:33.000
Chemical Name: ACETYLENE COMPRESSED GAS
Common Name: ACETYLENE COMPRESSED GAS
Case Number: 74-86-2

Record ID: DEH2002-HUPFP-103452
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2021-HCHEM-0309339
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2021-09-18T01:37:33.000
Chemical Name: CARBON DIOXIDE COMPRESSED GAS
Common Name: CARBON DIOXIDE COMPRESSED GAS
Case Number: 124-38-9

Record ID: DEH2002-HUPFP-103452
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0173776
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2019-06-19T02:35:58.000
Chemical Name: SODIUM-HYPOCHLORITE, 12.5%
Common Name: Chlorine
Case Number: 7681-52-9

Record ID: DEH2002-HUPFP-103452
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0173777

PALOMAR COMMUNITY COLLEGE (Continued) **1000334331**

Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2019-06-19T02:35:58.000
Chemical Name: DIESEL FUEL
Common Name: DIESEL FUEL
Case Number: 68476-34-6

Record ID: DEH2002-HUPFP-103452
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0173778
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2019-06-19T02:35:58.000
Chemical Name: ARGON
Common Name: ARGON
Case Number: 7440-37-1

Record ID: DEH2002-HUPFP-103452
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0173779
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2019-06-19T02:35:58.000
Chemical Name: CARBON DIOXIDE COMPRESSED GAS
Common Name: CARBON DIOXIDE COMPRESSED GAS
Case Number: 124-38-9

Record ID: DEH2002-HUPFP-103452
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0173780
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2019-06-19T02:35:58.000
Chemical Name: OXYGEN GAS
Common Name: OXYGEN GAS
Case Number: 7782-44-7

Record ID: DEH2002-HUPFP-103452
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0173781
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2019-06-19T02:35:58.000
Chemical Name: ACETYLENE COMPRESSED GAS
Common Name: ACETYLENE COMPRESSED GAS
Case Number: 74-86-2

Record ID: DEH2002-HUPFP-103452
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0173782
Trade Secret: N
Hazardous Material Type: Pure

PALOMAR COMMUNITY COLLEGE (Continued) **1000334331**

Last Updated: 2019-06-19T02:35:58.000
Chemical Name: Hydrochloric Acid
Common Name: Hydrochloric Acid
Case Number: 7647-01-0

Record ID: DEH2002-HUPFP-103452
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0173783
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2019-06-19T02:35:58.000
Chemical Name: Propane
Common Name: Liquefied Petroleum Gas (lpg)
Case Number: 74-98-6

Record ID: DEH2002-HUPFP-103452
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0173784
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2019-06-19T02:35:58.000
Chemical Name: Hydrogen
Common Name: Hydrogen
Case Number: 1333-74-0

Record ID: DEH2002-HUPFP-103452
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HWAST-0147896
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2019-06-19T02:35:58.000
Chemical Name: REGULATED MEDICAL WASTE, N.O.S.
Common Name: REGULATED MEDICAL WASTE, N.O.S.
Case Number: Not reported

Record ID: DEH2002-HUPFP-103452
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HWAST-0147897
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2019-06-19T02:35:58.000
Chemical Name: WASTE PROPYLENE GLYCOL SOLUTIONS
Common Name: WASTE ANTIFREEZE
Case Number: Not reported

Record ID: DEH2002-HUPFP-103452
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HWAST-0147898
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2019-06-19T02:35:58.000
Chemical Name: WASTE LAB PACKS, SOLIDS

PALOMAR COMMUNITY COLLEGE (Continued) **1000334331**

Common Name: WASTE LAB PACKS, SOLIDS
Case Number: Not reported

Record ID: DEH2002-HUPFP-103452
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HWAST-0147899
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2019-06-19T02:35:58.000
Chemical Name: WASTE LAB PACKS, LIQUIDS (RCRA)
Common Name: WASTE LAB PACKS, LIQUIDS
Case Number: Not reported

Record ID: DEH2002-HUPFP-103452
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HWAST-0147900
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2019-06-19T02:35:58.000
Chemical Name: WASTE PAINT RELATED MATERIAL (RCRA)
Common Name: WASTE PAINT RELATED MATERIAL (RCRA)
Case Number: Not reported

Record ID: DEH2002-HUPFP-103452
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HWAST-0147901
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2019-06-19T02:35:58.000
Chemical Name: WASTE MEDICINE, LIQUID, N.O.S. (PHARMACEUTICAL PRESCRIPTIONS)
Common Name: WASTE MEDICINE, LIQUID, N.O.S. (PHARMACEUTICAL PRESCRIPTIONS)
Case Number: Not reported

Record ID: DEH2002-HUPFP-103452
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HWAST-0147902
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2019-06-19T02:35:58.000
Chemical Name: HAZARDOUS WASTE LIQUID, N.O.S. (NON-RCRA)
Common Name: WASTE AQUEOUS BREAK CLEANER & PARTS WASHER SOLUTION
Case Number: Not reported

Record ID: DEH2002-HUPFP-103452
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HWAST-0147903
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2019-06-19T02:35:58.000
Chemical Name: HAZARDOUS WASTE LIQUID, (NON-RCRA)
Common Name: WASTE CERAMIC GLAZE
Case Number: Not reported

PALOMAR COMMUNITY COLLEGE (Continued) **1000334331**

Record ID:	DEH2002-HUPFP-103452
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2018-HWAST-0147904
Trade Secret:	N
Hazardous Material Type:	Not reported
Last Updated:	2019-06-19T02:35:58.000
Chemical Name:	WASTE COMBUSTIBLE LIQUID,N.O.S., (DECAMETHYCYCLOPENTASILOXANE)
Common Name:	WASTE DECAMETHYCYCLOPENTASILOXANE
Case Number:	Not reported

Record ID:	DEH2002-HUPFP-103452
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2018-HWAST-0147905
Trade Secret:	N
Hazardous Material Type:	Not reported
Last Updated:	2019-06-19T02:35:58.000
Chemical Name:	HAZARDOUS WASTE LIQUID, (OILY WATER)
Common Name:	WASTE OILY WATER
Case Number:	Not reported

Record ID:	DEH2002-HUPFP-103452
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2018-HWAST-0147906
Trade Secret:	N
Hazardous Material Type:	Not reported
Last Updated:	2019-06-19T02:35:58.000
Chemical Name:	HAZARDOUS WASTE LIQUID, (NON-RCRA)
Common Name:	WASTE USED OIL/MIXED OIL
Case Number:	Not reported

Record ID:	DEH2002-HUPFP-103452
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2018-HWAST-0147907
Trade Secret:	N
Hazardous Material Type:	Not reported
Last Updated:	2019-06-19T02:35:58.000
Chemical Name:	HAZARDOUS WASTE LIQUID, (NON-RCRA)
Common Name:	WASTE LATEX PAINT & WATER
Case Number:	Not reported

Record ID:	DEH2002-HUPFP-103452
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2018-HWAST-0147908
Trade Secret:	N
Hazardous Material Type:	Not reported
Last Updated:	2019-06-19T02:35:58.000
Chemical Name:	HAZARDOUS WASTE SOLID, (NON-RCRA)
Common Name:	WASTE LEAD CHROMIUM
Case Number:	Not reported

Record ID:	DEH2002-HUPFP-103452
Permit Status:	Permit Renewed

PALOMAR COMMUNITY COLLEGE (Continued) **1000334331**

Active Permit:	Y
Child Record Id:	DEH2018-HWAST-0147909
Trade Secret:	N
Hazardous Material Type:	Not reported
Last Updated:	2019-06-19T02:35:58.000
Chemical Name:	REGULATED MEDICAL WASTE, N.O.S.
Common Name:	REGULATED MEDICAL WASTE, N.O.S.
Case Number:	Not reported

Record ID:	DEH2002-HUPFP-103452
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2018-HWAST-0147910
Trade Secret:	N
Hazardous Material Type:	Not reported
Last Updated:	2019-06-19T02:35:58.000
Chemical Name:	WASTE AEROSOLS, FLAMMABLE (each not exceeding 1 L capacity)
Common Name:	WASTE AEROSOLS, FLAMMABLE (each not exceeding 1 L capacity)
Case Number:	Not reported

Record ID:	DEH2002-HUPFP-103452
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2020-HCHEM-0250412
Trade Secret:	N
Hazardous Material Type:	Pure
Last Updated:	2021-07-20T02:33:23.000
Chemical Name:	SODIUM-HYPOCHLORITE, 12.5%
Common Name:	Chlorine
Case Number:	7681-52-9

Record ID:	DEH2002-HUPFP-103452
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2020-HCHEM-0250415
Trade Secret:	N
Hazardous Material Type:	Pure
Last Updated:	2021-07-20T02:33:23.000
Chemical Name:	CARBON DIOXIDE COMPRESSED GAS
Common Name:	CARBON DIOXIDE COMPRESSED GAS
Case Number:	124-38-9

Record ID:	DEH2002-HUPFP-103452
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2020-HCHEM-0250416
Trade Secret:	N
Hazardous Material Type:	Pure
Last Updated:	2021-07-20T02:33:23.000
Chemical Name:	OXYGEN GAS
Common Name:	OXYGEN GAS
Case Number:	7782-44-7

Record ID:	DEH2002-HUPFP-103452
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2020-HCHEM-0250418

PALOMAR COMMUNITY COLLEGE (Continued) **1000334331**

Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2021-07-20T02:33:23.000
Chemical Name: Hydrochloric Acid
Common Name: Hydrochloric Acid
Case Number: 7647-01-0

Record ID: DEH2002-HUPFP-103452
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HCHEM-0250419
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2021-07-20T02:33:23.000
Chemical Name: Propane
Common Name: Liquefied Petroleum Gas (lpg)
Case Number: 74-98-6

Record ID: DEH2002-HUPFP-103452
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HCHEM-0250420
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2021-07-20T02:33:23.000
Chemical Name: Hydrogen
Common Name: Hydrogen
Case Number: 1333-74-0

Record ID: DEH2002-HUPFP-103452
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HWAST-0221578
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2021-07-20T02:33:23.000
Chemical Name: WASTE LAB PACKS, SOLIDS
Common Name: WASTE LAB PACKS, SOLIDS
Case Number: Not reported

Record ID: DEH2002-HUPFP-103452
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HWAST-0221579
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2021-07-20T02:33:23.000
Chemical Name: WASTE LAB PACKS, LIQUIDS (RCRA)
Common Name: WASTE LAB PACKS, LIQUIDS
Case Number: Not reported

Record ID: DEH2002-HUPFP-103452
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HWAST-0221580
Trade Secret: N
Hazardous Material Type: Not reported

PALOMAR COMMUNITY COLLEGE (Continued) **1000334331**

Last Updated: 2021-07-20T02:33:23.000
Chemical Name: WASTE LATEX PAINT RELATED MATERIAL (NON-RCRA)
Common Name: WASTE LATEX PAINT RELATED MATERIAL (NON-RCRA)
Case Number: Not reported

Record ID: DEH2002-HUPFP-103452
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HWAST-0221581
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2021-07-20T02:33:23.000
Chemical Name: WASTE MEDICINE, LIQUID, N.O.S. (PHARMACEUTICAL PRESCRIPTIONS)
Common Name: WASTE MEDICINE, LIQUID, N.O.S. (PHARMACEUTICAL PRESCRIPTIONS)
Case Number: Not reported

Record ID: DEH2002-HUPFP-103452
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HWAST-0221582
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2021-07-20T02:33:23.000
Chemical Name: HAZARDOUS WASTE LIQUID, N.O.S. (NON-RCRA)
Common Name: WASTE AQUEOUS BREAK CLEANER & PARTS WASHER SOLUTION
Case Number: Not reported

Record ID: DEH2002-HUPFP-103452
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HWAST-0221583
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2021-07-20T02:33:23.000
Chemical Name: HAZARDOUS CLAY WASTE, SOLID (NON-RCRA)
Common Name: HAZARDOUS CLAY WASTE, SOLID (NON-RCRA)
Case Number: Not reported

Record ID: DEH2002-HUPFP-103452
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HWAST-0221584
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2021-07-20T02:33:23.000
Chemical Name: WASTE COMBUSTIBLE LIQUID,N.O.S., (DECAMETHYCYCLOPENTASILOXANE)
Common Name: WASTE DECAMETHYCYCLOPENTASILOXANE
Case Number: Not reported

Record ID: DEH2002-HUPFP-103452
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HWAST-0221585
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2021-07-20T02:33:23.000
Chemical Name: NON-HAZARDOUS WASTE LIQUID, (OILY WATER)

PALOMAR COMMUNITY COLLEGE (Continued) **1000334331**

Common Name: NON-HAZARDOUS WASTE OILY WATER
Case Number: Not reported

Record ID: DEH2002-HUPFP-103452
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HWAST-0221586
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2021-07-20T02:33:23.000
Chemical Name: HAZARDOUS WASTE TOXIC SOLID, INORGANIC, N.O.S. (LEAD)
Common Name: HAZARDOUS WASTE TOXIC SOLID, INORGANIC, N.O.S. (LEAD)
Case Number: Not reported

Record ID: DEH2002-HUPFP-103452
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HWAST-0221587
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2021-07-20T02:33:23.000
Chemical Name: REGULATED MEDICAL WASTE, N.O.S.
Common Name: REGULATED MEDICAL WASTE, N.O.S.
Case Number: Not reported

Record ID: DEH2002-HUPFP-103452
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HWAST-0221588
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2021-07-20T02:33:23.000
Chemical Name: Waste Environmentally Hazardous Substances, Solid, N.O.S.
Common Name: Waste Environmentally Hazardous Substances, Solid, N.O.S.
Case Number: Not reported

Record ID: DEH2002-HUPFP-103452
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HWAST-0221589
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2021-07-20T02:33:23.000
Chemical Name: Hazardous Waste Hypocrite Solutions
Common Name: Hazardous Waste Hypocrite Solutions
Case Number: Not reported

Record ID: DEH2002-HUPFP-103452
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HWAST-0221590
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2021-07-20T02:33:23.000
Chemical Name: Hazardous Waste Asbestos
Common Name: Asbestos
Case Number: Not reported

PALOMAR COMMUNITY COLLEGE (Continued) **1000334331**

Record ID:	DEH2002-HUPFP-103452
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2020-HWAST-0221591
Trade Secret:	N
Hazardous Material Type:	Not reported
Last Updated:	2021-07-20T02:33:23.000
Chemical Name:	Hazardous Waste Flammable Liquids, N.O.S. (Gasoline, Methanol)
Common Name:	Hazardous Waste Flammable Liquids, N.O.S. (Gasoline, Methanol)
Case Number:	Not reported

Record ID:	DEH2002-HUPFP-103452
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2020-HCHEM-0250414
Trade Secret:	N
Hazardous Material Type:	Pure
Last Updated:	2021-07-20T02:33:23.000
Chemical Name:	ARGON
Common Name:	ARGON
Case Number:	7440-37-1

Record ID:	DEH2002-HUPFP-103452
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2020-HCHEM-0250413
Trade Secret:	N
Hazardous Material Type:	Pure
Last Updated:	2021-07-20T02:33:23.000
Chemical Name:	DIESEL FUEL
Common Name:	DIESEL FUEL
Case Number:	68476-34-6

Record ID:	DEH2002-HUPFP-103452
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2020-HCHEM-0250417
Trade Secret:	N
Hazardous Material Type:	Pure
Last Updated:	2021-07-20T02:33:23.000
Chemical Name:	ACETYLENE COMPRESSED GAS
Common Name:	ACETYLENE COMPRESSED GAS
Case Number:	74-86-2

Record ID:	DEH2002-HUPFP-103452
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2021-HCHEM-0309336
Trade Secret:	N
Hazardous Material Type:	Pure
Last Updated:	2021-09-18T01:37:33.000
Chemical Name:	SODIUM-HYPOCHLORITE, 12.5%
Common Name:	Chlorine
Case Number:	7681-52-9

Record ID:	DEH2002-HUPFP-103452
Permit Status:	Permit Renewed

PALOMAR COMMUNITY COLLEGE (Continued) **1000334331**

Active Permit: Y
Child Record Id: DEH2021-HCHEM-0309337
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2021-09-18T01:37:33.000
Chemical Name: DIESEL FUEL
Common Name: DIESEL FUEL
Case Number: 68476-34-6

Record ID: DEH2002-HUPFP-103452
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2021-HCHEM-0309338
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2021-09-18T01:37:33.000
Chemical Name: ARGON
Common Name: ARGON
Case Number: 7440-37-1

Record ID: DEH2002-HUPFP-103452
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2021-HCHEM-0309342
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2021-09-18T01:37:33.000
Chemical Name: Propane
Common Name: Liquefied Petroleum Gas (lpg)
Case Number: 74-98-6

Record ID: DEH2002-HUPFP-103452
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2021-HCHEM-0309343
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2021-09-18T01:37:33.000
Chemical Name: Hydrogen
Common Name: Hydrogen
Case Number: 1333-74-0

Record ID: DEH2002-HUPFP-103452
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2021-HCHEM-0309344
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2021-09-18T01:37:33.000
Chemical Name: Waste Sodium Hydroxide, Solution
Common Name: Waste Sodium Hydroxide, Solution
Case Number: Not reported

Record ID: DEH2002-HUPFP-103452
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2021-HCHEM-0309345

PALOMAR COMMUNITY COLLEGE (Continued) **1000334331**

Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2021-09-18T01:37:33.000
Chemical Name: Hydrochloric Acid
Common Name: Hydrochloric Acid
Case Number: 7647-01-0

Record ID: DEH2002-HUPFP-103452
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2021-HWAST-0277366
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2021-09-18T01:37:34.000
Chemical Name: WASTE LAB PACKS, SOLIDS
Common Name: WASTE LAB PACKS, SOLIDS
Case Number: Not reported

Record ID: DEH2002-HUPFP-103452
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2021-HWAST-0277367
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2021-09-18T01:37:34.000
Chemical Name: WASTE LAB PACKS, LIQUIDS (RCRA)
Common Name: WASTE LAB PACKS, LIQUIDS
Case Number: Not reported

Record ID: DEH2002-HUPFP-103452
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2021-HWAST-0277368
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2021-09-18T01:37:34.000
Chemical Name: WASTE LATEX PAINT RELATED MATERIAL (NON-RCRA)
Common Name: WASTE LATEX PAINT RELATED MATERIAL (NON-RCRA)
Case Number: Not reported

Record ID: DEH2002-HUPFP-103452
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2021-HWAST-0277369
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2021-09-18T01:37:34.000
Chemical Name: HAZARDOUS WASTE LIQUID, N.O.S. (NON-RCRA)
Common Name: WASTE AQUEOUS BREAK CLEANER & PARTS WASHER SOLUTION
Case Number: Not reported

Record ID: DEH2002-HUPFP-103452
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2021-HWAST-0277370
Trade Secret: N
Hazardous Material Type: Not reported

PALOMAR COMMUNITY COLLEGE (Continued) **1000334331**

Last Updated: 2021-09-18T01:37:34.000
Chemical Name: HAZARDOUS CLAY WASTE, SOLID (NON-RCRA)
Common Name: HAZARDOUS CLAY WASTE, SOLID (NON-RCRA)
Case Number: Not reported

Record ID: DEH2002-HUPFP-103452
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2021-HWAST-0277371
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2021-09-18T01:37:34.000
Chemical Name: NON-HAZARDOUS WASTE LIQUID, (OILY WATER)
Common Name: NON-HAZARDOUS WASTE OILY WATER
Case Number: Not reported

Record ID: DEH2002-HUPFP-103452
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2021-HWAST-0277372
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2021-09-18T01:37:34.000
Chemical Name: REGULATED MEDICAL WASTE, N.O.S.
Common Name: REGULATED MEDICAL WASTE, N.O.S.
Case Number: Not reported

Record ID: DEH2002-HUPFP-103452
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2021-HWAST-0277373
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2021-09-18T01:37:34.000
Chemical Name: Waste Environmentally Hazardous Substances, Solid, N.O.S.
Common Name: Waste Environmentally Hazardous Substances, Solid, N.O.S.
Case Number: Not reported

Record ID: DEH2002-HUPFP-103452
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2021-HWAST-0277374
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2021-09-18T01:37:34.000
Chemical Name: Hazardous Waste Hypocrite Solutions
Common Name: Hazardous Waste Hypocrite Solutions
Case Number: Not reported

Record ID: DEH2002-HUPFP-103452
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2021-HWAST-0277375
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2021-09-18T01:37:34.000
Chemical Name: Waste Flammable Liquids, Corrosive, n.o.s. (Methanol, Hydrochloric Acid)

PALOMAR COMMUNITY COLLEGE (Continued) **1000334331**

Common Name: Waste Flammable Liquids, Corrosive, n.o.s. (Methanol, Hydrochloric Acid)
Case Number: Not reported

Record ID: DEH2002-HUPFP-103452
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2021-HWAST-0277376
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2021-09-18T01:37:34.000
Chemical Name: Waste, Toxic, Liquid, Organic, n.o.s.
Common Name: Waste, Toxic, Liquid, Organic, n.o.s.
Case Number: Not reported

Record ID: DEH2002-HUPFP-103452
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2021-HWAST-0277377
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2021-09-18T01:37:34.000
Chemical Name: Waste, Corrosive, Liquid, Acidic, Organic, n.o.s.
Common Name: Waste, Corrosive, Liquid, Acidic, Organic, n.o.s.
Case Number: Not reported

Record ID: DEH2002-HUPFP-103452
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2021-HWAST-0277378
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2021-09-18T01:37:34.000
Chemical Name: Waste, Corrosive, Liquid, Acidic, Inorganic, n.o.s.
Common Name: Waste, Corrosive, Liquid, Acidic, Inorganic, n.o.s.
Case Number: Not reported

Record ID: DEH2002-HUPFP-103452
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2021-HWAST-0277379
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2021-09-18T01:37:34.000
Chemical Name: Waste, Methyl Acetylene and Propadiene Mixtures (Mapp Gas Cylinders)
Common Name: Waste, Methyl Acetylene and Propadiene Mixtures (Mapp Gas Cylinders)
Case Number: Not reported

Record ID: DEH2002-HUPFP-103452
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2021-HWAST-0277380
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2021-09-18T01:37:34.000
Chemical Name: Waste, Oxygen, Compressed (Oxygen Cylinders)
Common Name: Waste, Oxygen, Compressed (Oxygen Cylinders)
Case Number: Not reported

PALOMAR COMMUNITY COLLEGE (Continued) **1000334331**

Record ID:	DEH2002-HUPFP-103452
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2021-HWAST-0277381
Trade Secret:	N
Hazardous Material Type:	Not reported
Last Updated:	2021-09-18T01:37:34.000
Chemical Name:	Waste, Propane Petrolium Gases, Liquified (propane cylinders)
Common Name:	Waste, Propane Petrolium Gases, Liquified (propane cylinders)
Case Number:	Not reported

Name:	PALOMAR COMMUNITY COLLEGE
Address:	1140 W MISSION RD
City,State,Zip:	SAN MARCOS, CA 92069
Permit Number:	103452
Business Type:	6HK63
EPA Id Number:	CAD981583057
APN:	220-021-25-00
Last HMMD Inspection:	07/30/2010
Facility Telephone:	760-744-1150
Permit Status:	OPEN
Permit Expiration:	06/30/2013
Date Last Updated:	11/02/2012
Facility Owner:	PALOMAR COMMUNITY COLLEGE
Facility Mailing Address:	1140 W MISSION RD
Facility Mailing City:	SAN MARCOS
Facility Mailing State:	CA
Facility Mailing Zip:	92069-1415
UST Owner:	Not reported
Handle Regulated Hazmat:	Y
Own Or Operate UST:	Y
Subject To APSA:	Y
Generate Haz Waste:	Y
Treat Haz Waste:	N
Generate Medical Waste:	Not reported

Inventory Active Permits (not SQG Medical):

Permit Number:	103452
Update Date:	11/02/2012
Case Number:	74-86-2
Name:	ACETYLENE COMPRESSED GAS
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	FIRE
Hazardous Categories 2:	PRESSURE RELEASE

Permit Number:	103452
Update Date:	11/02/2012
Case Number:	132259-10-0
Name:	AIR, COMPRESSED
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	PRESSURE RELEASE
Hazardous Categories 2:	Not reported

Permit Number:	103452
Update Date:	11/02/2012

PALOMAR COMMUNITY COLLEGE (Continued) **1000334331**

Case Number: 7440-37-1
Name: ARGON
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: PRESSURE RELEASE
Hazardous Categories 2: Not reported

Permit Number: 103452
Update Date: 11/02/2012
Case Number: 7440-37-1
Name: ARGON/C02 (CAS# 124-38-9)
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: PRESSURE RELEASE
Hazardous Categories 2: Not reported

Permit Number: 103452
Update Date: 11/02/2012
Case Number: 124-38-9
Name: CARBON DIOXIDE COMPRESSED GAS
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: PRESSURE RELEASE
Hazardous Categories 2: Not reported

Permit Number: 103452
Update Date: 11/02/2012
Case Number: Not reported
Name: CARCINOGENS &/OR REPRODUCTIVE TOXINS
Other Information: BELOW STATE DISCLOSURE AMTS ARE/MAY BE ON SITE
Material Waste: Not reported
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 103452
Update Date: 11/02/2012
Case Number: 68476-34-6
Name: DIESEL FUEL
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: ACUTE

Permit Number: 103452
Update Date: 11/02/2012
Case Number: 7783-18-8
Name: FIXER DEVELOPER CHEMICALS
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: CHRONIC
Hazardous Categories 2: Not reported

Permit Number: 103452
Update Date: 11/02/2012
Case Number: 1310-73-2
Name: HOT TANK SOLUTION, 10% NAOH: AUTOSHOP
Other Information: Not reported

PALOMAR COMMUNITY COLLEGE (Continued) **1000334331**

Material Waste:	Material
Hazardous Categories 1:	ACUTE
Hazardous Categories 2:	Not reported
Permit Number:	103452
Update Date:	11/02/2012
Case Number:	MIXTURE
Name:	LATEX PAINT
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	ACUTE
Hazardous Categories 2:	Not reported
Permit Number:	103452
Update Date:	11/02/2012
Case Number:	7782-44-7
Name:	OXYGEN GAS
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	FIRE
Hazardous Categories 2:	REACTIVE
Permit Number:	103452
Update Date:	11/02/2012
Case Number:	74-98-6
Name:	PROPANE GAS
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	FIRE
Hazardous Categories 2:	PRESSURE RELEASE
Permit Number:	103452
Update Date:	11/02/2012
Case Number:	7681-52-9
Name:	SODIUM-HYPOCHLORITE, 12.5%
Other Information:	BLEACH
Material Waste:	Material
Hazardous Categories 1:	REACTIVE
Hazardous Categories 2:	ACUTE
Permit Number:	103452
Update Date:	11/02/2012
Case Number:	MIXTURES
Name:	SOLVENT BASED PAINT AND VARNISHES
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	FIRE
Hazardous Categories 2:	ACUTE
Permit Number:	103452
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 111 ACID SOL'N WITH METALS - R
Other Information:	CORROSIVE WITH LEAD AND SILVER (ACID WITH METALS)
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

PALOMAR COMMUNITY COLLEGE (Continued) **1000334331**

Permit Number:	103452
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 122 ALKALINE SOL'N W/OUT METALS
Other Information:	SODIUM HYDROXIDE (CAUSTIC)
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Permit Number:	103452
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 135 UNSPECIFIED AQUEOUS SOL'N
Other Information:	PARTS WASHER
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Permit Number:	103452
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 181 INORGANIC SOLID WASTE (OTHER)
Other Information:	SANDBLAST DEBRIS
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Permit Number:	103452
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 181 INORGANIC SOLID WASTE (OTHER)
Other Information:	WELDING BOOTH FILTERS
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Permit Number:	103452
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 213 HYDROCARBON SOLVENTS
Other Information:	5(15 GALLON) 2(7 GALLON) PARTS WASHER
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Permit Number:	103452
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 214 UNSPEC SOLVENT MIXTURE
Other Information:	SOLVENT
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Permit Number:	103452
Update Date:	11/02/2012
Case Number:	Not reported

PALOMAR COMMUNITY COLLEGE (Continued) **1000334331**

Name:	WASTE 221 WASTE OIL & MIXED OIL
Other Information:	FAC MNT, T BLDG, N BLDG
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported
Permit Number:	103452
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 311 PHARMACEUTICAL WASTE
Other Information:	Not reported
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported
Permit Number:	103452
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 342 ORGANIC LIQUIDS W/METALS
Other Information:	ANTIFREEZE
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported
Permit Number:	103452
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 352 ORGANIC SOLIDS (OTHER) -
Other Information:	OILY SPILL DEBRIS
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported
Permit Number:	103452
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 444 USED BATTERIES
Other Information:	LEAD ACID BATTERIES
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported
Permit Number:	103452
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 461 PAINT SLUDGE
Other Information:	WASTE PAINT & RELATED MATERIALS
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported
Permit Number:	103452
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 541 PHOTOCHEM/PHOTOPROC WASTE
Other Information:	3 PHOTO LABS
Material Waste:	Waste

PALOMAR COMMUNITY COLLEGE (Continued) **1000334331**

Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 103452
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 551 LABORATORY WASTE CHEMICALS
Other Information: ACIDIC, INORGANIC, CORROSIVE LIQ
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 103452
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 551 LABORATORY WASTE CHEMICALS
Other Information: FLAMMABLE, CORROSIVE LIQ
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 103452
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 551 LABORATORY WASTE CHEMICALS ---
Other Information: FORMALIN, ETHYLENE GLYCOL
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 103452
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 551 LABORATORY WASTE CHEMICALS.
Other Information: OXIDIZING, TOXIC LIQ
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 103452
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 725 LIQUIDS W MERCURY - R
Other Information: WASTE W/MERCURY
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 103452
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 888 USED OIL FILTERS
Other Information: USED OIL FILTERS
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

PALOMAR COMMUNITY COLLEGE (Continued) **1000334331**

Permit Number: 103452
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 901 INFECTIOUS WASTE, GENERAL
Other Information: LIFE SCI, HLTH SVCS/DENTA
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 103452
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 902 INFECTIOUS WASTE, SHARPS
Other Information: Not reported
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 103452
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 905 INFECTIOUS WASTE, LAB
Other Information: CULTURES
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Violations Active Permits:
Permit Number: 103452
Update Date: 11/02/2012
Inspection Date: 02/06/2003
Violation Code: 6HV0201
Violation: WASTE CONTAINER NOT CLOSED
Violation Citation: Hazardous waste containers are not kept closed while in storage. CCR 66265.173(a)
Activity: ACTIVE

Permit Number: 103452
Update Date: 11/02/2012
Inspection Date: 02/06/2003
Violation Code: 6HV0216
Violation: HAZMATS WITHOUT PROPER LABELS
Violation Citation: Hazardous materials have not been adequately labeled within 10 days & are now declared hazardous waste. HSC 25124(b)(3)(A) & 66262.34(f)
Activity: ACTIVE

Permit Number: 103452
Update Date: 11/02/2012
Inspection Date: 02/06/2003
Violation Code: 6HV1006
Violation: HMBP: INVENTORY INADEQUATE
Violation Citation: Business Plan inventory does not list all hazardous materials on site in disclosable quantities. HSC 25504(a),25503.5
Activity: ACTIVE

Permit Number: 103452
Update Date: 11/02/2012

PALOMAR COMMUNITY COLLEGE (Continued) **1000334331**

Inspection Date:	02/06/2003
Violation Code:	6HV4307
Violation:	SQG:RED BAGS > 7 DAYS AT >0C ROOM TEMP
Violation Citation:	Storage time exceeded for red bag waste, stored greater than 7 days at greater than 0C room temperature (for generators of >20 pounds/month). 118280(d)(1)(A)
Activity:	ACTIVE
Permit Number:	103452
Update Date:	11/02/2012
Inspection Date:	02/06/2003
Violation Code:	6HV3103
Violation:	NO UST PLAN CHECK PERMIT OBTAINED
Violation Citation:	UST repair/modify/closure permit not obtained .68.1004, 68.1005, 68.1009.5
Activity:	ACTIVE
Permit Number:	103452
Update Date:	11/02/2012
Inspection Date:	02/06/2003
Violation Code:	6HV3158
Violation:	ALL OPERATING CONDITIONS NOT MET
Violation Citation:	All permit operating conditions not met. 25284; 2712
Activity:	ACTIVE
Permit Number:	103452
Update Date:	11/02/2012
Inspection Date:	02/06/2003
Violation Code:	6HV3404
Violation:	PIPE INT TEST DOESN'T DETECT .1 GPH@150%
Violation Citation:	DOUBLE WALLED PRESSURIZED PIPING: OPTION 2-Piping integrity test does not detect 0.1-gph leak with ELLD or at 150% pressure 2636(f)(4)
Activity:	ACTIVE
Permit Number:	103452
Update Date:	11/02/2012
Inspection Date:	03/01/2005
Violation Code:	6HV0202
Violation:	WASTE CONTAINER W/O LABELS
Violation Citation:	Hazardous waste containers &/or tanks are missing labels, accumulation date and/or are improperly labeled. CCR 66262.34(a)(2); 66262.34(a)(3) & 66262.34(f)
Activity:	ACTIVE
Permit Number:	103452
Update Date:	11/02/2012
Inspection Date:	03/01/2005
Violation Code:	6HV0301
Violation:	HAZWASTE:UNAUTHORIZED DISPOSAL
Violation Citation:	Disposal or causing the disposal of hazardous waste to an unauthorized point (ground, storm drain, sewer system, trash, or air). HSC 25189.5(a) or 25189(d)
Activity:	ACTIVE
Permit Number:	103452
Update Date:	11/02/2012
Inspection Date:	03/01/2005

PALOMAR COMMUNITY COLLEGE (Continued) **1000334331**

Violation Code:	6HV0304
Violation:	WASTE DETERMINATION NOT MADE
Violation Citation:	Generator of a waste has not determined if that waste is a hazardous waste as defined by law. CCR 66262.11 & 66260.200(c)
Activity:	ACTIVE
Permit Number:	103452
Update Date:	11/02/2012
Inspection Date:	03/01/2005
Violation Code:	6HV1008
Violation:	NO ANNUAL CARC/REPRO TOXIN LIST TO HMD
Violation Citation:	Annual carcinogen and reproductive toxin list not submitted to HMD. 68.1113(c)
Activity:	ACTIVE
Permit Number:	103452
Update Date:	11/02/2012
Inspection Date:	03/01/2005
Violation Code:	6HV4204
Violation:	WARNING SIGN NOT POSTED
Violation Citation:	MW designated accumulation area not posted with an approved and legible biohazardous waste "warning sign" in English and Spanish. 118310
Activity:	ACTIVE
Permit Number:	103452
Update Date:	11/02/2012
Inspection Date:	03/01/2005
Violation Code:	6HV4309
Violation:	SQG:MWMP OR EQUIV NOT ONSITE
Violation Citation:	Medical Waste Management Plan or equivalent information not onsite for review (SQG). 117945
Activity:	ACTIVE
Permit Number:	103452
Update Date:	11/02/2012
Inspection Date:	04/08/2009
Violation Code:	6HV0218
Violation:	FILTERS:FUEL/OIL NOT LABELED OR CLOSED
Violation Citation:	Failed to label &/or close drained used oil filters &/or used fuel filters. 25250.22 and 66266.130(c)(3)
Activity:	ACTIVE
Permit Number:	103452
Update Date:	11/02/2012
Inspection Date:	04/08/2009
Violation Code:	6HV0227
Violation:	HAZWASTE TANK/CONTAINER W/O LABEL/DATE
Violation Citation:	Failed to properly label/date hazardous waste container &/or tank. 66262.34(f)
Activity:	ACTIVE
Permit Number:	103452
Update Date:	11/02/2012
Inspection Date:	04/08/2009
Violation Code:	6HV0226
Violation:	HW NOT ACCUMULATED IN TANK/CONTAINER

PALOMAR COMMUNITY COLLEGE (Continued) **1000334331**

Violation Citation:	Did not accumulate waste in container or tank. 66262.34 (d)(2)
Activity:	ACTIVE
Permit Number:	103452
Update Date:	11/02/2012
Inspection Date:	04/08/2009
Violation Code:	6HV0228
Violation:	CONTAINER NOT KEPT CLOSED
Violation Citation:	Failed to keep container closed. CFR 265.173
Activity:	ACTIVE
Permit Number:	103452
Update Date:	11/02/2012
Inspection Date:	04/08/2009
Violation Code:	6HV0304
Violation:	WASTE DETERMINATION NOT MADE
Violation Citation:	Generator of a waste has not determined if that waste is a hazardous waste as defined by law. CCR 66262.11 & 66260.200(c)
Activity:	ACTIVE
Permit Number:	103452
Update Date:	11/02/2012
Inspection Date:	04/08/2009
Violation Code:	6HV0234
Violation:	FACILITY NOT OPERATED TO MINIM. RELEASE
Violation Citation:	Did not maintain &/or operate facility to prevent release or fire. CFR 265.31
Activity:	ACTIVE
Permit Number:	103452
Update Date:	11/02/2012
Inspection Date:	04/08/2009
Violation Code:	6HV0216
Violation:	HAZMATS WITHOUT PROPER LABELS
Violation Citation:	Hazardous materials have not been adequately labeled within 10 days & are now declared hazardous waste. HSC 25124(b)(3)(A) & 66262.34(f)
Activity:	ACTIVE
Permit Number:	103452
Update Date:	11/02/2012
Inspection Date:	04/08/2009
Violation Code:	6HV0232
Violation:	HW CONTAINER IN POOR CONDITION
Violation Citation:	Waste accumulated in a container in poor condition. CFR 265.171
Activity:	ACTIVE
Permit Number:	103452
Update Date:	11/02/2012
Inspection Date:	04/08/2009
Violation Code:	6HV0231
Violation:	INCOMPATIBLE HW NOT PROPERLY SEPARATED
Violation Citation:	Failed to properly separate incompatible wastes. CFR 265.177
Activity:	ACTIVE
Permit Number:	103452
Update Date:	11/02/2012
Inspection Date:	04/08/2009

PALOMAR COMMUNITY COLLEGE (Continued) **1000334331**

Violation Code:	6HV4301
Violation:	SQG:MWMP NOT SUBMITTED TO HMD
Violation Citation:	Medical Waste Management Plan has not been submitted to County HMD (Initial/updates if Onsite Treatment) 117935
Activity:	ACTIVE
Permit Number:	103452
Update Date:	11/02/2012
Inspection Date:	04/08/2009
Violation Code:	6HV4204
Violation:	WARNING SIGN NOT POSTED
Violation Citation:	MW designated accumulation area not posted with an approved and legible biohazardous waste "warning sign" in English and Spanish. 118310
Activity:	ACTIVE
Permit Number:	103452
Update Date:	11/02/2012
Inspection Date:	04/08/2009
Violation Code:	6HV1014
Violation:	HMBP INCOMPLETE/NOT AMENDED
Violation Citation:	HMBP is incomplete/inadequate/not amended to reflect changes. 25504, 25505(a)(2) &/or 25509(a); 25505(b); 19 CCR 2729
Activity:	ACTIVE
Permit Number:	103452
Update Date:	11/02/2012
Inspection Date:	04/08/2009
Violation Code:	6HV0407
Violation:	EMPLOYEE TRAINING NOT ADEQUATE
Violation Citation:	Employee training program for small quantity generator of hazardous waste is inadequate. CFR 262.34(d)(5)(iii)
Activity:	ACTIVE
Permit Number:	103452
Update Date:	11/02/2012
Inspection Date:	07/30/2010
Violation Code:	6HV1009
Violation:	HMBP: INADEQUATE SITE MAP
Violation Citation:	Business Plan does not have a site map which provides sufficient or complete information for emergency response agencies. HSC 25509(a)(5) & 25505(a)(2)
Activity:	ACTIVE
Permit Number:	103452
Update Date:	11/02/2012
Inspection Date:	07/30/2010
Violation Code:	6HV1012
Violation:	SPCC PLAN NOT PREPARED
Violation Citation:	Spill Prevention Countermeasures & Control Plan not prepared as required. 25270.5 (c)
Activity:	ACTIVE
Permit Number:	103452
Update Date:	11/02/2012
Inspection Date:	07/30/2010
Violation Code:	6HV0226

PALOMAR COMMUNITY COLLEGE (Continued) **1000334331**

Violation:	HW NOT ACCUMULATED IN TANK/CONTAINER
Violation Citation:	Did not accumulate waste in container or tank. 66262.34 (d)(2)
Activity:	ACTIVE
Permit Number:	103452
Update Date:	11/02/2012
Inspection Date:	07/30/2010
Violation Code:	6HV0228
Violation:	CONTAINER NOT KEPT CLOSED
Violation Citation:	Failed to keep container closed. CFR 265.173
Activity:	ACTIVE
Permit Number:	103452
Update Date:	11/02/2012
Inspection Date:	07/30/2010
Violation Code:	6HV4422
Violation:	PHARM WASTE NOT PROPERLY LABELED
Violation Citation:	Generator did not properly label container holding pharmaceutical waste with the words -incineration only- or other approved markings on the lid and side. 118275(g)
Activity:	ACTIVE
Permit Number:	103452
Update Date:	11/02/2012
Inspection Date:	04/05/2006
Violation Code:	6HV1008
Violation:	NO ANNUAL CARC/REPRO TOXIN LIST TO HMD
Violation Citation:	Annual carcinogen and reproductive toxin list not submitted to HMD. 68.1113(c)
Activity:	ACTIVE
Permit Number:	103452
Update Date:	11/02/2012
Inspection Date:	04/05/2006
Violation Code:	6HV0227
Violation:	HAZWASTE TANK/CONTAINER W/O LABEL/DATE
Violation Citation:	Failed to properly label/date hazardous waste container &/or tank. 66262.34(f)
Activity:	ACTIVE
Permit Number:	103452
Update Date:	11/02/2012
Inspection Date:	02/12/2004
Violation Code:	6HV0202
Violation:	WASTE CONTAINER W/O LABELS
Violation Citation:	Hazardous waste containers &/or tanks are missing labels, accumulation date and/or are improperly labeled. CCR 66262.34(a)(2); 66262.34(a)(3) & 66262.34(f)
Activity:	ACTIVE
Permit Number:	103452
Update Date:	11/02/2012
Inspection Date:	02/12/2004
Violation Code:	6HV0210
Violation:	DID NOT CLEAN SPILL TO FLOOR
Violation Citation:	Failure to clean up hazardous waste off of floor surface. 66262.10b
Activity:	ACTIVE

PALOMAR COMMUNITY COLLEGE (Continued) **1000334331**

Permit Number:	103452
Update Date:	11/02/2012
Inspection Date:	02/12/2004
Violation Code:	6HV1008
Violation:	NO ANNUAL CARC/REPRO TOXIN LIST TO HMD
Violation Citation:	Annual carcinogen and reproductive toxin list not submitted to HMD. 68.1113(c)
Activity:	ACTIVE

Permit Number:	103452
Update Date:	11/02/2012
Inspection Date:	02/12/2004
Violation Code:	6HV0401
Violation:	TRAINING RECORDS UNAVAILABLE
Violation Citation:	Personnel training records are not maintained to document compliance with requirements for current and former employees. CCR 66265.16(d)&(e)
Activity:	ACTIVE

UST:

UST Name:	UNDERGROUND TANK 103452 T001
Last Update:	2012-11-02 14:17:38
Permit Number:	103452
Tank Type:	SINGLE WALL
Additional Id:	1
Capacity Gallons:	2000
UST Contents:	REGULAR UNLEADED
Other Content Info:	REGULAR UNLEADED
Reg Status:	REMOVED
Remove Close Date:	1989-05-26 00:00:00
Year Installed:	Not reported
Pipe Type:	Not reported
Delivery System:	SUCTION
Monitor Code:	05
UST Monitor Method:	SW TANK DW PIPE W/ POS SHUTOFF-ALARM ON LLD W/ SIRS:SIR ANALY MONTHLY, TANK TEST BIENNIALLY, PIPE TEST ANN 0.1 G/HR OR MO 0.2 G/HR

UST Name:	UNDERGROUND TANK 103452 T002
Last Update:	2012-11-02 14:17:38
Permit Number:	103452
Tank Type:	SINGLE WALL
Additional Id:	2
Capacity Gallons:	1000
UST Contents:	REGULAR UNLEADED
Other Content Info:	REGULAR UNLEADED
Reg Status:	REMOVED
Remove Close Date:	1993-12-23 00:00:00
Year Installed:	Not reported
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	05
UST Monitor Method:	SW TANK DW PIPE W/ POS SHUTOFF-ALARM ON LLD W/ SIRS:SIR ANALY MONTHLY, TANK TEST BIENNIALLY, PIPE TEST ANN 0.1 G/HR OR MO 0.2 G/HR

UST Name:	UNDERGROUND TANK 103452 T003
Last Update:	2012-11-02 14:17:38
Permit Number:	103452

PALOMAR COMMUNITY COLLEGE (Continued) **1000334331**

Tank Type:	DOUBLE WALL
Additional Id:	3/AT4896
Capacity Gallons:	2000
UST Contents:	REGULAR UNLEADED
Other Content Info:	REGULAR UNLEADED
Reg Status:	CLOSED
Remove Close Date:	2004-06-01 00:00:00
Year Installed:	1989-01-01 00:00:00
Pipe Type:	DOUBLE WALL
Delivery System:	PRESSURE
Monitor Code:	20
UST Monitor Method:	DW TANK DW PRESSURE PIPE W/ SHUT OFF AND ALARM ON LINE LEAK DETECTOR: INTERSTITIAL.

Name:	PALOMAR COMMUNITY COLLEGE
Address:	1140 W MISSION RD
City,State,Zip:	SAN MARCOS, CA 92069
Permit Number:	103452
Business Type:	6HK63
EPA Id Number:	CAD981583057
APN:	220-021-25-00
Last HMMD Inspection:	07/30/2010
Facility Telephone:	760-744-1150
Permit Status:	OPEN
Permit Expiration:	06/30/2013
Date Last Updated:	11/02/2012
Facility Owner:	PALOMAR COMMUNITY COLLEGE
Facility Mailing Address:	1140 W MISSION RD
Facility Mailing City:	SAN MARCOS
Facility Mailing State:	CA
Facility Mailing Zip:	92069-1415
UST Owner:	Not reported
Handle Regulated Hazmat:	Y
Own Or Operate UST:	Y
Subject To APSA:	Not reported
Generate Haz Waste:	Y
Treat Haz Waste:	Y
Generate Medical Waste:	Not reported

Inventory Active Permits (not SQG Medical):

Permit Number:	103452
Update Date:	11/02/2012
Case Number:	74-86-2
Name:	ACETYLENE COMPRESSED GAS
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	FIRE
Hazardous Categories 2:	PRESSURE RELEASE

Permit Number:	103452
Update Date:	11/02/2012
Case Number:	132259-10-0
Name:	AIR, COMPRESSED
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	PRESSURE RELEASE
Hazardous Categories 2:	Not reported

PALOMAR COMMUNITY COLLEGE (Continued) **1000334331**

Permit Number:	103452
Update Date:	11/02/2012
Case Number:	7440-37-1
Name:	ARGON
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	PRESSURE RELEASE
Hazardous Categories 2:	Not reported

Permit Number:	103452
Update Date:	11/02/2012
Case Number:	7440-37-1
Name:	ARGON/C02 (CAS# 124-38-9)
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	PRESSURE RELEASE
Hazardous Categories 2:	Not reported

Permit Number:	103452
Update Date:	11/02/2012
Case Number:	124-38-9
Name:	CARBON DIOXIDE COMPRESSED GAS
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	PRESSURE RELEASE
Hazardous Categories 2:	Not reported

Permit Number:	103452
Update Date:	11/02/2012
Case Number:	Not reported
Name:	CARCINOGENS &/OR REPRODUCTIVE TOXINS
Other Information:	BELOW STATE DISCLOSURE AMTS ARE/MAY BE ON SITE
Material Waste:	Not reported
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Permit Number:	103452
Update Date:	11/02/2012
Case Number:	68476-34-6
Name:	DIESEL FUEL
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	FIRE
Hazardous Categories 2:	ACUTE

Permit Number:	103452
Update Date:	11/02/2012
Case Number:	7783-18-8
Name:	FIXER DEVELOPER CHEMICALS
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	CHRONIC
Hazardous Categories 2:	Not reported

Permit Number:	103452
Update Date:	11/02/2012
Case Number:	1310-73-2

PALOMAR COMMUNITY COLLEGE (Continued) **1000334331**

Name: HOT TANK SOLUTION, 10% NAOH: AUTOSHOP
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: ACUTE
Hazardous Categories 2: Not reported

Permit Number: 103452
Update Date: 11/02/2012
Case Number: MIXTURE
Name: LATEX PAINT
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: ACUTE
Hazardous Categories 2: Not reported

Permit Number: 103452
Update Date: 11/02/2012
Case Number: 7782-44-7
Name: OXYGEN GAS
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: REACTIVE

Permit Number: 103452
Update Date: 11/02/2012
Case Number: 74-98-6
Name: PROPANE GAS
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: PRESSURE RELEASE

Permit Number: 103452
Update Date: 11/02/2012
Case Number: 7681-52-9
Name: SODIUM-HYPOCHLORITE, 12.5%
Other Information: BLEACH
Material Waste: Material
Hazardous Categories 1: REACTIVE
Hazardous Categories 2: ACUTE

Permit Number: 103452
Update Date: 11/02/2012
Case Number: MIXTURES
Name: SOLVENT BASED PAINT AND VARNISHES
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: ACUTE

Permit Number: 103452
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 111 ACID SOL'N WITH METALS - R
Other Information: CORROSIVE WITH LEAD AND SILVER (ACID WITH METALS)
Material Waste: Waste

PALOMAR COMMUNITY COLLEGE (Continued) **1000334331**

Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 103452
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 122 ALKALINE SOL'N W/OUT METALS
Other Information: SODIUM HYDROXIDE (CAUSTIC)
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 103452
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 135 UNSPECIFIED AQUEOUS SOL'N
Other Information: PARTS WASHER
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 103452
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 181 INORGANIC SOLID WASTE (OTHER)
Other Information: SANDBLAST DEBRIS
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 103452
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 181 INORGANIC SOLID WASTE (OTHER)
Other Information: WELDING BOOTH FILTERS
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 103452
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 213 HYDROCARBON SOLVENTS
Other Information: 5(15 GALLON) 2(7 GALLON) PARTS WASHER
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 103452
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 214 UNSPEC SOLVENT MIXTURE
Other Information: SOLVENT
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

PALOMAR COMMUNITY COLLEGE (Continued) **1000334331**

Permit Number:	103452
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 221 WASTE OIL & MIXED OIL
Other Information:	FAC MNT, T BLDG, N BLDG
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Permit Number:	103452
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 311 PHARMACEUTICAL WASTE
Other Information:	Not reported
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Permit Number:	103452
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 342 ORGANIC LIQUIDS W/METALS
Other Information:	ANTIFREEZE
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Permit Number:	103452
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 352 ORGANIC SOLIDS (OTHER) -
Other Information:	OILY SPILL DEBRIS
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Permit Number:	103452
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 444 USED BATTERIES
Other Information:	LEAD ACID BATTERIES
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Permit Number:	103452
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 461 PAINT SLUDGE
Other Information:	WASTE PAINT & RELATED MATERIALS
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Permit Number:	103452
Update Date:	11/02/2012
Case Number:	Not reported

PALOMAR COMMUNITY COLLEGE (Continued) **1000334331**

Name:	WASTE 541 PHOTOCHEM/PHOTOPROC WASTE
Other Information:	3 PHOTO LABS
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported
Permit Number:	103452
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 551 LABORATORY WASTE CHEMICALS
Other Information:	ACIDIC, INORGANIC, CORROSIVE LIQ
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported
Permit Number:	103452
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 551 LABORATORY WASTE CHEMICALS
Other Information:	FLAMMABLE, CORROSIVE LIQ
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported
Permit Number:	103452
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 551 LABORATORY WASTE CHEMICALS ---
Other Information:	FORMALIN, ETHYLENE GLYCOL
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported
Permit Number:	103452
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 551 LABORATORY WASTE CHEMICALS.
Other Information:	OXIDIZING, TOXIC LIQ
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported
Permit Number:	103452
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 725 LIQUIDS W MERCURY - R
Other Information:	WASTE W/MERCURY
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported
Permit Number:	103452
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 888 USED OIL FILTERS
Other Information:	USED OIL FILTERS
Material Waste:	Waste

PALOMAR COMMUNITY COLLEGE (Continued) **1000334331**

Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 103452
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 901 INFECTIOUS WASTE, GENERAL
Other Information: LIFE SCI, HLTH SVCS/DENTA
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 103452
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 902 INFECTIOUS WASTE, SHARPS
Other Information: Not reported
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 103452
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 905 INFECTIOUS WASTE, LAB
Other Information: CULTURES
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Violations Active Permits:

Permit Number: 103452
Update Date: 11/02/2012
Inspection Date: 02/06/2003
Violation Code: 6HV0201
Violation: WASTE CONTAINER NOT CLOSED
Violation Citation: Hazardous waste containers are not kept closed while in storage. CCR 66265.173(a)
Activity: ACTIVE

Permit Number: 103452
Update Date: 11/02/2012
Inspection Date: 02/06/2003
Violation Code: 6HV0216
Violation: HAZMATS WITHOUT PROPER LABELS
Violation Citation: Hazardous materials have not been adequately labeled within 10 days & are now declared hazardous waste. HSC 25124(b)(3)(A) & 66262.34(f)
Activity: ACTIVE

Permit Number: 103452
Update Date: 11/02/2012
Inspection Date: 02/06/2003
Violation Code: 6HV1006
Violation: HMBP: INVENTORY INADEQUATE
Violation Citation: Business Plan inventory does not list all hazardous materials on site in disclosable quantities. HSC 25504(a),25503.5
Activity: ACTIVE

PALOMAR COMMUNITY COLLEGE (Continued) **1000334331**

Permit Number:	103452
Update Date:	11/02/2012
Inspection Date:	02/06/2003
Violation Code:	6HV4307
Violation:	SQG:RED BAGS > 7 DAYS AT >0C ROOM TEMP
Violation Citation:	Storage time exceeded for red bag waste, stored greater than 7 days at greater than 0C room temperature (for generators of >20 pounds/month). 118280(d)(1)(A)
Activity:	ACTIVE
Permit Number:	103452
Update Date:	11/02/2012
Inspection Date:	02/06/2003
Violation Code:	6HV3103
Violation:	NO UST PLAN CHECK PERMIT OBTAINED
Violation Citation:	UST repair/modify/closure permit not obtained .68.1004, 68.1005, 68.1009.5
Activity:	ACTIVE
Permit Number:	103452
Update Date:	11/02/2012
Inspection Date:	02/06/2003
Violation Code:	6HV3158
Violation:	ALL OPERATING CONDITIONS NOT MET
Violation Citation:	All permit operating conditions not met. 25284; 2712
Activity:	ACTIVE
Permit Number:	103452
Update Date:	11/02/2012
Inspection Date:	02/06/2003
Violation Code:	6HV3404
Violation:	PIPE INT TEST DOESN'T DETECT .1 GPH@150%
Violation Citation:	DOUBLE WALLED PRESSURIZED PIPING: OPTION 2-Piping integrity test does not detect 0.1-gph leak with ELLD or at 150% pressure 2636(f)(4)
Activity:	ACTIVE
Permit Number:	103452
Update Date:	11/02/2012
Inspection Date:	03/01/2005
Violation Code:	6HV0202
Violation:	WASTE CONTAINER W/O LABELS
Violation Citation:	Hazardous waste containers &/or tanks are missing labels, accumulation date and/or are improperly labeled. CCR 66262.34(a)(2); 66262.34(a)(3) & 66262.34(f)
Activity:	ACTIVE
Permit Number:	103452
Update Date:	11/02/2012
Inspection Date:	03/01/2005
Violation Code:	6HV0301
Violation:	HAZWASTE:UNAUTHORIZED DISPOSAL
Violation Citation:	Disposal or causing the disposal of hazardous waste to an unauthorized point (ground, storm drain, sewer system, trash, or air). HSC 25189.5(a) or 25189(d)
Activity:	ACTIVE
Permit Number:	103452

PALOMAR COMMUNITY COLLEGE (Continued) **1000334331**

Update Date:	11/02/2012
Inspection Date:	03/01/2005
Violation Code:	6HV0304
Violation:	WASTE DETERMINATION NOT MADE
Violation Citation:	Generator of a waste has not determined if that waste is a hazardous waste as defined by law. CCR 66262.11 & 66260.200(c)
Activity:	ACTIVE
Permit Number:	103452
Update Date:	11/02/2012
Inspection Date:	03/01/2005
Violation Code:	6HV1008
Violation:	NO ANNUAL CARC/REPRO TOXIN LIST TO HMD
Violation Citation:	Annual carcinogen and reproductive toxin list not submitted to HMD. 68.1113(c)
Activity:	ACTIVE
Permit Number:	103452
Update Date:	11/02/2012
Inspection Date:	03/01/2005
Violation Code:	6HV4204
Violation:	WARNING SIGN NOT POSTED
Violation Citation:	MW designated accumulation area not posted with an approved and legible biohazardous waste "warning sign" in English and Spanish. 118310
Activity:	ACTIVE
Permit Number:	103452
Update Date:	11/02/2012
Inspection Date:	03/01/2005
Violation Code:	6HV4309
Violation:	SQG:MWMP OR EQUIV NOT ONSITE
Violation Citation:	Medical Waste Management Plan or equivalent information not onsite for review (SQG). 117945
Activity:	ACTIVE
Permit Number:	103452
Update Date:	11/02/2012
Inspection Date:	04/08/2009
Violation Code:	6HV0218
Violation:	FILTERS:FUEL/OIL NOT LABELED OR CLOSED
Violation Citation:	Failed to label &/or close drained used oil filters &/or used fuel filters. 25250.22 and 66266.130(c)(3)
Activity:	ACTIVE
Permit Number:	103452
Update Date:	11/02/2012
Inspection Date:	04/08/2009
Violation Code:	6HV0227
Violation:	HAZWASTE TANK/CONTAINER W/O LABEL/DATE
Violation Citation:	Failed to properly label/date hazardous waste container &/or tank. 66262.34(f)
Activity:	ACTIVE
Permit Number:	103452
Update Date:	11/02/2012
Inspection Date:	04/08/2009

PALOMAR COMMUNITY COLLEGE (Continued) **1000334331**

Violation Code:	6HV0226
Violation:	HW NOT ACCUMULATED IN TANK/CONTAINER
Violation Citation:	Did not accumulate waste in container or tank. 66262.34 (d)(2)
Activity:	ACTIVE
Permit Number:	103452
Update Date:	11/02/2012
Inspection Date:	04/08/2009
Violation Code:	6HV0228
Violation:	CONTAINER NOT KEPT CLOSED
Violation Citation:	Failed to keep container closed. CFR 265.173
Activity:	ACTIVE
Permit Number:	103452
Update Date:	11/02/2012
Inspection Date:	04/08/2009
Violation Code:	6HV0304
Violation:	WASTE DETERMINATION NOT MADE
Violation Citation:	Generator of a waste has not determined if that waste is a hazardous waste as defined by law. CCR 66262.11 & 66260.200(c)
Activity:	ACTIVE
Permit Number:	103452
Update Date:	11/02/2012
Inspection Date:	04/08/2009
Violation Code:	6HV0234
Violation:	FACILITY NOT OPERATED TO MINIM. RELEASE
Violation Citation:	Did not maintain &/or operate facility to prevent release or fire. CFR 265.31
Activity:	ACTIVE
Permit Number:	103452
Update Date:	11/02/2012
Inspection Date:	04/08/2009
Violation Code:	6HV0216
Violation:	HAZMATS WITHOUT PROPER LABELS
Violation Citation:	Hazardous materials have not been adequately labeled within 10 days & are now declared hazardous waste. HSC 25124(b)(3)(A) & 66262.34(f)
Activity:	ACTIVE
Permit Number:	103452
Update Date:	11/02/2012
Inspection Date:	04/08/2009
Violation Code:	6HV0232
Violation:	HW CONTAINER IN POOR CONDITION
Violation Citation:	Waste accumulated in a container in poor condition. CFR 265.171
Activity:	ACTIVE
Permit Number:	103452
Update Date:	11/02/2012
Inspection Date:	04/08/2009
Violation Code:	6HV0231
Violation:	INCOMPATIBLE HW NOT PROPERLY SEPARATED
Violation Citation:	Failed to properly separate incompatible wastes. CFR 265.177
Activity:	ACTIVE
Permit Number:	103452

PALOMAR COMMUNITY COLLEGE (Continued) **1000334331**

Update Date:	11/02/2012
Inspection Date:	04/08/2009
Violation Code:	6HV4301
Violation:	SQG:MWMP NOT SUBMITTED TO HMD
Violation Citation:	Medical Waste Management Plan has not been submitted to County HMD (Initial/updates if Onsite Treatment) 117935
Activity:	ACTIVE
Permit Number:	103452
Update Date:	11/02/2012
Inspection Date:	04/08/2009
Violation Code:	6HV4204
Violation:	WARNING SIGN NOT POSTED
Violation Citation:	MW designated accumulation area not posted with an approved and legible biohazardous waste "warning sign" in English and Spanish. 118310
Activity:	ACTIVE
Permit Number:	103452
Update Date:	11/02/2012
Inspection Date:	04/08/2009
Violation Code:	6HV1014
Violation:	HMBP INCOMPLETE/NOT AMENDED
Violation Citation:	HMBP is incomplete/inadequate/not amended to reflect changes. 25504, 25505(a)(2) &/or 25509(a); 25505(b); 19 CCR 2729
Activity:	ACTIVE
Permit Number:	103452
Update Date:	11/02/2012
Inspection Date:	04/08/2009
Violation Code:	6HV0407
Violation:	EMPLOYEE TRAINING NOT ADEQUATE
Violation Citation:	Employee training program for small quantity generator of hazardous waste is inadequate. CFR 262.34(d)(5)(iii)
Activity:	ACTIVE
Permit Number:	103452
Update Date:	11/02/2012
Inspection Date:	07/30/2010
Violation Code:	6HV1009
Violation:	HMBP: INADEQUATE SITE MAP
Violation Citation:	Business Plan does not have a site map which provides sufficient or complete information for emergency response agencies. HSC 25509(a)(5) & 25505(a)(2)
Activity:	ACTIVE
Permit Number:	103452
Update Date:	11/02/2012
Inspection Date:	07/30/2010
Violation Code:	6HV1012
Violation:	SPCC PLAN NOT PREPARED
Violation Citation:	Spill Prevention Countermeasures & Control Plan not prepared as required. 25270.5 (c)
Activity:	ACTIVE
Permit Number:	103452
Update Date:	11/02/2012

PALOMAR COMMUNITY COLLEGE (Continued) **1000334331**

Inspection Date:	07/30/2010
Violation Code:	6HV0226
Violation:	HW NOT ACCUMULATED IN TANK/CONTAINER
Violation Citation:	Did not accumulate waste in container or tank. 66262.34 (d)(2)
Activity:	ACTIVE
Permit Number:	103452
Update Date:	11/02/2012
Inspection Date:	07/30/2010
Violation Code:	6HV0228
Violation:	CONTAINER NOT KEPT CLOSED
Violation Citation:	Failed to keep container closed. CFR 265.173
Activity:	ACTIVE
Permit Number:	103452
Update Date:	11/02/2012
Inspection Date:	07/30/2010
Violation Code:	6HV4422
Violation:	PHARM WASTE NOT PROPERLY LABELED
Violation Citation:	Generator did not properly label container holding pharmaceutical waste with the words -incineration only- or other approved markings on the lid and side. 118275(g)
Activity:	ACTIVE
Permit Number:	103452
Update Date:	11/02/2012
Inspection Date:	04/05/2006
Violation Code:	6HV1008
Violation:	NO ANNUAL CARC/REPRO TOXIN LIST TO HMD
Violation Citation:	Annual carcinogen and reproductive toxin list not submitted to HMD. 68.1113(c)
Activity:	ACTIVE
Permit Number:	103452
Update Date:	11/02/2012
Inspection Date:	04/05/2006
Violation Code:	6HV0227
Violation:	HAZWASTE TANK/CONTAINER W/O LABEL/DATE
Violation Citation:	Failed to properly label/date hazardous waste container &/or tank. 66262.34(f)
Activity:	ACTIVE
Permit Number:	103452
Update Date:	11/02/2012
Inspection Date:	02/12/2004
Violation Code:	6HV0202
Violation:	WASTE CONTAINER W/O LABELS
Violation Citation:	Hazardous waste containers &/or tanks are missing labels, accumulation date and/or are improperly labeled. CCR 66262.34(a)(2); 66262.34(a)(3) & 66262.34(f)
Activity:	ACTIVE
Permit Number:	103452
Update Date:	11/02/2012
Inspection Date:	02/12/2004
Violation Code:	6HV0210
Violation:	DID NOT CLEAN SPILL TO FLOOR

PALOMAR COMMUNITY COLLEGE (Continued) **1000334331**

Violation Citation:	Failure to clean up hazardous waste off of floor surface. 66262.10b
Activity:	ACTIVE
Permit Number:	103452
Update Date:	11/02/2012
Inspection Date:	02/12/2004
Violation Code:	6HV1008
Violation:	NO ANNUAL CARC/REPRO TOXIN LIST TO HMD
Violation Citation:	Annual carcinogen and reproductive toxin list not submitted to HMD. 68.1113(c)
Activity:	ACTIVE
Permit Number:	103452
Update Date:	11/02/2012
Inspection Date:	02/12/2004
Violation Code:	6HV0401
Violation:	TRAINING RECORDS UNAVAILABLE
Violation Citation:	Personnel training records are not maintained to document compliance with requirements for current and former employees. CCR 66265.16(d)&(e)
Activity:	ACTIVE

UST:

UST Name:	UNDERGROUND TANK 103452 T001
Last Update:	2012-11-02 14:17:38
Permit Number:	103452
Tank Type:	SINGLE WALL
Additional Id:	1
Capacity Gallons:	2000
UST Contents:	REGULAR UNLEADED
Other Content Info:	REGULAR UNLEADED
Reg Status:	REMOVED
Remove Close Date:	1989-05-26 00:00:00
Year Installed:	Not reported
Pipe Type:	Not reported
Delivery System:	SUCTION
Monitor Code:	05
UST Monitor Method:	SW TANK DW PIPE W/ POS SHUTOFF-ALARM ON LLD W/ SIRS:SIR ANALY MONTHLY, TANK TEST BIENNIALLY, PIPE TEST ANN 0.1 G/HR OR MO 0.2 G/HR
UST Name:	UNDERGROUND TANK 103452 T002
Last Update:	2012-11-02 14:17:38
Permit Number:	103452
Tank Type:	SINGLE WALL
Additional Id:	2
Capacity Gallons:	1000
UST Contents:	REGULAR UNLEADED
Other Content Info:	REGULAR UNLEADED
Reg Status:	REMOVED
Remove Close Date:	1993-12-23 00:00:00
Year Installed:	Not reported
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	05
UST Monitor Method:	SW TANK DW PIPE W/ POS SHUTOFF-ALARM ON LLD W/ SIRS:SIR ANALY MONTHLY, TANK TEST BIENNIALLY, PIPE TEST ANN 0.1 G/HR OR MO 0.2 G/HR

PALOMAR COMMUNITY COLLEGE (Continued) **1000334331**

UST Name:	UNDERGROUND TANK 103452 T003
Last Update:	2012-11-02 14:17:38
Permit Number:	103452
Tank Type:	DOUBLE WALL
Additional Id:	3/AT4896
Capacity Gallons:	2000
UST Contents:	REGULAR UNLEADED
Other Content Info:	REGULAR UNLEADED
Reg Status:	CLOSED
Remove Close Date:	2004-06-01 00:00:00
Year Installed:	1989-01-01 00:00:00
Pipe Type:	DOUBLE WALL
Delivery System:	PRESSURE
Monitor Code:	20
UST Monitor Method:	DW TANK DW PRESSURE PIPE W/ SHUT OFF AND ALARM ON LINE LEAK DETECTOR: INTERSTITIAL.

CERS HAZ WASTE:

Name:	PALOMAR COMMUNITY COLLEGE
Address:	1140 W MISSION RD
City,State,Zip:	SAN MARCOS, CA 920691415
Site ID:	55226
CERS ID:	10375639
CERS Description:	Hazardous Waste Generator

SWEEPS UST:

Name:	PALOMAR COMMUNITY COLLEGE
Address:	1140 W MISSION RD
City:	SAN MARCOS
Status:	Not reported
Comp Number:	3452
Number:	Not reported
Board Of Equalization:	44-021865
Referral Date:	Not reported
Action Date:	Not reported
Created Date:	Not reported
Owner Tank Id:	Not reported
SWRCB Tank Id:	37-000-003452-000001
Tank Status:	Not reported
Capacity:	2000
Active Date:	Not reported
Tank Use:	M.V. FUEL
STG:	PRODUCT
Content:	REG UNLEADED
Number Of Tanks:	2

Name:	PALOMAR COMMUNITY COLLEGE
Address:	1140 W MISSION RD
City:	SAN MARCOS
Status:	Not reported
Comp Number:	3452
Number:	Not reported
Board Of Equalization:	44-021865
Referral Date:	Not reported
Action Date:	Not reported

PALOMAR COMMUNITY COLLEGE (Continued) **1000334331**

Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 37-000-003452-000002
Tank Status: Not reported
Capacity: 1000
Active Date: Not reported
Tank Use: M.V. FUEL
STG: PRODUCT
Content: WASTE
Number Of Tanks: Not reported

Name: PALOMAR COMMUNITY COLLEGE
Address: 1140 W MISSION RD
City: SAN MARCOS
Status: Active
Comp Number: 3452
Number: 9
Board Of Equalization: 44-021865
Referral Date: Not reported
Action Date: 06-26-92
Created Date: 02-29-88
Owner Tank Id: Not reported
SWRCB Tank Id: 37-000-003452-000003
Tank Status: A
Capacity: 2000
Active Date: Not reported
Tank Use: M.V. FUEL
STG: P
Content: REG UNLEADED
Number Of Tanks: 1

HIST UST:
Name: PALOMAR COMMUNITY COLLEGE
Address: 1140 W MISSION RD
City,State,Zip: SAN MARCOS, CA 92069
File Number: Not reported
URL: Not reported
Region: STATE
Facility ID: 00000045743
Facility Type: Other
Other Type: COMMUNITY COLLEGE
Contact Name: TOM KNOX
Telephone: 6197441150
Owner Name: PALOMAR COMMUNITY COLLEGE
Owner Address: 1140 WEST MISSION ROAD
Owner City,St,Zip: SAN MARCOS, CA 92069
Total Tanks: 0002

Tank Num: 001
Container Num: #2
Year Installed: 1979
Tank Capacity: 00001000
Tank Used for: PRODUCT
Type of Fuel: UNLEADED
Container Construction Thickness: Not reported
Leak Detection: Stock Inventor

PALOMAR COMMUNITY COLLEGE (Continued) **1000334331**

Tank Num: 002
Container Num: #1
Year Installed: Not reported
Tank Capacity: 00002000
Tank Used for: PRODUCT
Type of Fuel: UNLEADED
Container Construction Thickness: Not reported
Leak Detection: Stock Inventor

CERS TANKS:
Name: PALOMAR COMMUNITY COLLEGE
Address: 1140 W MISSION RD
City,State,Zip: SAN MARCOS, CA 920691415
Site ID: 55226
CERS ID: 10375639
CERS Description: Aboveground Petroleum Storage

FINDS:
Registry ID: 110009537885

Click Here for FRS Facility Detail Report:

Environmental Interest/Information System:
California Hazardous Waste Tracking System - Datamart (HWTS-DATAMART) provides California with information on hazardous waste shipments for generators, transporters, and treatment, storage, and disposal facilities.
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.
STATE MASTER

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:
Envid: 1000334331
Registry ID: 110009537885
DFR URL: http://echo.epa.gov/detailed-facility-report?fid=110009537885
Name: PALOMAR COMMUNITY COLLEGE
Address: 1140 E MISSION RD
City,State,Zip: SAN MARCOS, CA 92069

CORTESE:
Name: PALOMAR COMMUNITY COLLEGE
Address: 1140 W MISSION RD
City,State,Zip: SAN MARCOS, CA 920691415
Region: CORTESE
Envirostor Id: Not reported
Global ID: T0607300263
Site/Facility Type: LUST CLEANUP SITE
Cleanup Status: COMPLETED - CASE CLOSED
Status Date: Not reported
Site Code: Not reported

PALOMAR COMMUNITY COLLEGE (Continued) **1000334331**

Latitude:	Not reported
Longitude:	Not reported
Owner:	Not reported
Enf Type:	Not reported
Swat R:	Not reported
Flag:	active
Order No:	Not reported
Waste Discharge System No:	Not reported
Effective Date:	Not reported
Region 2:	Not reported
WID Id:	Not reported
Solid Waste Id No:	Not reported
Waste Management Uit Name:	Not reported
File Name:	Active Open

Name:	PALOMAR COMMUNITY COLLEGE
Address:	1140 W MISSION RD
City,State,Zip:	SAN MARCOS, CA 920691415
Region:	CORTESE
Envirostor Id:	Not reported
Global ID:	T0607301391
Site/Facility Type:	LUST CLEANUP SITE
Cleanup Status:	COMPLETED - CASE CLOSED
Status Date:	Not reported
Site Code:	Not reported
Latitude:	Not reported
Longitude:	Not reported
Owner:	Not reported
Enf Type:	Not reported
Swat R:	Not reported
Flag:	active
Order No:	Not reported
Waste Discharge System No:	Not reported
Effective Date:	Not reported
Region 2:	Not reported
WID Id:	Not reported
Solid Waste Id No:	Not reported
Waste Management Uit Name:	Not reported
File Name:	Active Open

HAZNET:

Name:	PALOMAR COMMUNITY COLLEGE
Address:	1140 W MISSION RD
Address 2:	Not reported
City,State,Zip:	SAN MARCOS, CA 920690000
Contact:	DERRICK JOHNSON/SUPERVISOR
Telephone:	7607441150
Mailing Name:	Not reported
Mailing Address:	1140 W MISSION RD

Year:	2021
Gepaid:	CAD981583057
TSD EPA ID:	NMD002208627
CA Waste Code:	331 - Off-specification, aged or surplus organics
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.438

PALOMAR COMMUNITY COLLEGE (Continued) **1000334331**

Year:	2021
Gepaid:	CAD981583057
TSD EPA ID:	NMD002208627
CA Waste Code:	551 - Laboratory waste chemicals
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.645
Year:	2021
Gepaid:	CAD981583057
TSD EPA ID:	AZR000521146
CA Waste Code:	331 - Off-specification, aged or surplus organics
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	4.58716
Year:	2021
Gepaid:	CAD981583057
TSD EPA ID:	CAD008364432
CA Waste Code:	311 - Pharmaceutical waste
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.06
Year:	2021
Gepaid:	CAD981583057
TSD EPA ID:	CAD028409019
CA Waste Code:	551 - Laboratory waste chemicals
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.09
Year:	2021
Gepaid:	CAD981583057
TSD EPA ID:	NVT330010000
CA Waste Code:	181 - Other inorganic solid waste
Disposal Method:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Tons:	0.004
Year:	2021
Gepaid:	CAD981583057
TSD EPA ID:	NMD002208627
CA Waste Code:	181 - Other inorganic solid waste
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.0225
Year:	2021
Gepaid:	CAD981583057
TSD EPA ID:	NMD002208627
CA Waste Code:	352 - Other organic solids
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.04
Year:	2021

PALOMAR COMMUNITY COLLEGE (Continued) **1000334331**

Gepaid:	CAD981583057
TSD EPA ID:	CAT000613976
CA Waste Code:	134 - Aqueous solution with total organic residues less than 10 percent
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.32229
Year:	2021
Gepaid:	CAD981583057
TSD EPA ID:	AZR000521146
CA Waste Code:	352 - Other organic solids
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.035

Click this hyperlink while viewing on your computer to access
487 additional CA HAZNET: record(s) in the EDR Site Report.

Detail Two:

Year:	2020
EM Manifest ID:	0830917e-4697-45e3-9b8b-5243aed03969
Shipment Date:	6/10/2020
Receipt Date:	6/22/2020
Manifest Number:	007663298SKS
Generator EPA ID:	CAD981583057
Name:	PALOMAR COMMUNITY COLLEGE
Address:	1140 W MISSION RD
Address 2:	Not reported
City:	SAN MARCOS
Zip:	92069
Telephone:	800-483-3718
Contact:	David Williams
Contact Telephone:	760-744-1150
Transporter 1 EPA ID:	TXR000081205
Transporter 1 Emergency Number:	Not reported
Transporter 2 EPA ID:	MAD039322250
Transporter 2 Emergency Number:	Not reported
TSDF EPA ID:	CAT000613976
TSDF Name:	Safety-Kleen Systems, Inc.
TSDF Address 1:	2120 South Yale Street
TSDF Address 2:	Not reported
TSDF City:	Santa Ana
TSDF Zip:	92704
TSDF Telephone:	800-483-3718

State:

Year:	2020
EM Manifest ID:	0830917e-4697-45e3-9b8b-5243aed03969
Generator EPA ID:	CAD981583057
Shipment Date:	2020-06-10
Manifest Number:	007663298SKS
Line Number:	1
Method Code:	H141
Quantity Tons:	0.02100
Quantity Waste:	5.000000

PALOMAR COMMUNITY COLLEGE (Continued) **1000334331**

Quantity Unit:	G
Number of Containers:	1
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Gallons
State Code:	134

Year:	2020
EM Manifest ID:	0830917e-4697-45e3-9b8b-5243aed03969
Generator EPA ID:	CAD981583057
Shipment Date:	2020-06-10
Manifest Number:	007663298SKS
Line Number:	2
Method Code:	H141
Quantity Tons:	0.13860
Quantity Waste:	33.000000
Quantity Unit:	G
Number of Containers:	2
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Gallons
State Code:	134

Year:	2020
EM Manifest ID:	db899b81-ad54-4109-9639-996016b4ea11
Shipment Date:	3/11/2020
Receipt Date:	3/17/2020
Manifest Number:	007377531SKS
Generator EPA ID:	CAD981583057
Name:	PALOMAR COMMUNITY COLLEGE
Address:	1140 W MISSION RD
Address 2:	Not reported
City:	SAN MARCOS
Zip:	92069
Telephone:	800-483-3718
Contact:	Teresa Wacker
Contact Telephone:	760-744-1150
Transporter 1 EPA ID:	TXR000081205
Transporter 1 Emergency Number:	Not reported
Transporter 2 EPA ID:	MAD039322250
Transporter 2 Emergency Number:	Not reported
TSDF EPA ID:	CAT000613976
TSDF Name:	Safety-Kleen Systems, Inc.
TSDF Address 1:	2120 South Yale Street
TSDF Address 2:	Not reported
TSDF City:	Santa Ana
TSDF Zip:	92704
TSDF Telephone:	800-483-3718

State:

Year:	2020
EM Manifest ID:	db899b81-ad54-4109-9639-996016b4ea11
Generator EPA ID:	CAD981583057
Shipment Date:	2020-03-11
Manifest Number:	007377531SKS
Line Number:	1
Method Code:	H141
Quantity Tons:	0.12600
Quantity Waste:	30.000000

PALOMAR COMMUNITY COLLEGE (Continued) **1000334331**

Quantity Unit:	G
Number of Containers:	2
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Gallons
State Code:	134

Year:	2020
EM Manifest ID:	db899b81-ad54-4109-9639-996016b4ea11
Generator EPA ID:	CAD981583057
Shipment Date:	2020-03-11
Manifest Number:	007377531SKS
Line Number:	2
Method Code:	H141
Quantity Tons:	0.02100
Quantity Waste:	5.000000
Quantity Unit:	G
Number of Containers:	1
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Gallons
State Code:	134

Year:	2020
EM Manifest ID:	be43d358-7071-4434-a0d3-ec96639432f0
Shipment Date:	12/1/2020
Receipt Date:	12/11/2020
Manifest Number:	000364274DAT
Generator EPA ID:	CAD981583057
Name:	PALOMAR COMMUNITY COLLEGE
Address:	1140 W. MISSION RD
Address 2:	Not reported
City:	SAN MARCOS
Zip:	92069-1415
Telephone:	877-577-2669
Contact:	Not reported
Contact Telephone:	323-776-6233
Transporter 1 EPA ID:	CAR000216770
Transporter 1 Emergency Number:	Not reported
Transporter 2 EPA ID:	MNS000110924
Transporter 2 Emergency Number:	Not reported
TSDF EPA ID:	CAD008364432
TSDF Name:	Rho Chem LLC
TSDF Address 1:	425 Isis Ave.
TSDF Address 2:	Not reported
TSDF City:	Inglewood
TSDF Zip:	90301
TSDF Telephone:	Not reported

Federal:

Year:	2020
EM Manifest ID:	be43d358-7071-4434-a0d3-ec96639432f0
Generator EPA ID:	CAD981583057
Shipment Date:	2020-12-01
Manifest Number:	000364274DAT
Line Number:	1
Method Code:	H141
Quantity Tons:	0.30000
Quantity Waste:	600.000000

PALOMAR COMMUNITY COLLEGE (Continued) **1000334331**

Quantity Unit:	P
Number of Containers:	4
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
Federal Code:	D004
Year:	2020
EM Manifest ID:	be43d358-7071-4434-a0d3-ec96639432f0
Generator EPA ID:	CAD981583057
Shipment Date:	2020-12-01
Manifest Number:	000364274DAT
Line Number:	1
Method Code:	H141
Quantity Tons:	0.30000
Quantity Waste:	600.000000
Quantity Unit:	P
Number of Containers:	4
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
Federal Code:	D005
Year:	2020
EM Manifest ID:	be43d358-7071-4434-a0d3-ec96639432f0
Generator EPA ID:	CAD981583057
Shipment Date:	2020-12-01
Manifest Number:	000364274DAT
Line Number:	1
Method Code:	H141
Quantity Tons:	0.30000
Quantity Waste:	600.000000
Quantity Unit:	P
Number of Containers:	4
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
Federal Code:	D006
Year:	2020
EM Manifest ID:	be43d358-7071-4434-a0d3-ec96639432f0
Generator EPA ID:	CAD981583057
Shipment Date:	2020-12-01
Manifest Number:	000364274DAT
Line Number:	1
Method Code:	H141
Quantity Tons:	0.30000
Quantity Waste:	600.000000
Quantity Unit:	P
Number of Containers:	4
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
Federal Code:	D007
Year:	2020
EM Manifest ID:	be43d358-7071-4434-a0d3-ec96639432f0
Generator EPA ID:	CAD981583057
Shipment Date:	2020-12-01
Manifest Number:	000364274DAT
Line Number:	1

PALOMAR COMMUNITY COLLEGE (Continued) **1000334331**

Method Code:	H141
Quantity Tons:	0.30000
Quantity Waste:	600.000000
Quantity Unit:	P
Number of Containers:	4
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
Federal Code:	D008

Year:	2020
EM Manifest ID:	be43d358-7071-4434-a0d3-ec96639432f0
Generator EPA ID:	CAD981583057
Shipment Date:	2020-12-01
Manifest Number:	000364274DAT
Line Number:	2
Method Code:	H141
Quantity Tons:	0.15000
Quantity Waste:	300.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Pounds
Federal Code:	D002

State:

Year:	2020
EM Manifest ID:	be43d358-7071-4434-a0d3-ec96639432f0
Generator EPA ID:	CAD981583057
Shipment Date:	2020-12-01
Manifest Number:	000364274DAT
Line Number:	1
Method Code:	H141
Quantity Tons:	0.30000
Quantity Waste:	600.000000
Quantity Unit:	P
Number of Containers:	4
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
State Code:	551

Year:	2020
EM Manifest ID:	be43d358-7071-4434-a0d3-ec96639432f0
Generator EPA ID:	CAD981583057
Shipment Date:	2020-12-01
Manifest Number:	000364274DAT
Line Number:	1
Method Code:	H141
Quantity Tons:	0.30000
Quantity Waste:	600.000000
Quantity Unit:	P
Number of Containers:	4
Type of Container:	Fiber or plastic boxes, cartons, cases
Quantity Type:	Pounds
State Code:	551

Year:	2020
EM Manifest ID:	be43d358-7071-4434-a0d3-ec96639432f0

PALOMAR COMMUNITY COLLEGE (Continued) **1000334331**

Generator EPA ID:	CAD981583057
Shipment Date:	2020-12-01
Manifest Number:	000364274DAT
Line Number:	2
Method Code:	H141
Quantity Tons:	0.15000
Quantity Waste:	300.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Pounds
State Code:	123

Year:	2020
EM Manifest ID:	be43d358-7071-4434-a0d3-ec96639432f0
Generator EPA ID:	CAD981583057
Shipment Date:	2020-12-01
Manifest Number:	000364274DAT
Line Number:	2
Method Code:	H141
Quantity Tons:	0.15000
Quantity Waste:	300.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Pounds
State Code:	123

Detail Two:

Year:	2019
EM Manifest ID:	ff4adf0a-1af3-431b-b7d3-ced985d6b5d7
Shipment Date:	6/26/2019
Receipt Date:	7/10/2019
Manifest Number:	006938980SKS
Generator EPA ID:	CAD981583057
Name:	PALOMAR COMMUNITY COLLEGE
Address:	1140 W MISSION RD
Address 2:	Not reported
City:	SAN MARCOS
Zip:	92069
Telephone:	800-483-3718
Contact:	Teresa Wacker
Contact Telephone:	760-744-1150
Transporter 1 EPA ID:	TXR000081205
Transporter 1 Emergency Number:	Not reported
Transporter 2 EPA ID:	MAD039322250
Transporter 2 Emergency Number:	Not reported
TSDF EPA ID:	CAD044429835
TSDF Name:	Clean Harbors Wilmington LLC
TSDF Address 1:	1737 East Denni Street
TSDF Address 2:	Not reported
TSDF City:	Wilmington
TSDF Zip:	90744
TSDF Telephone:	800-483-3718

Federal:

PALOMAR COMMUNITY COLLEGE (Continued) **1000334331**

Year:	2019
EM Manifest ID:	ff4adf0a-1af3-431b-b7d3-ced985d6b5d7
Generator EPA ID:	CAD981583057
Shipment Date:	2019-06-26
Manifest Number:	006938980SKS
Line Number:	1
Method Code:	H141
Quantity Tons:	0.02500
Quantity Waste:	50.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Metal drums, barrels, kegs
Quantity Type:	Pounds
Federal Code:	D006

Year:	2019
EM Manifest ID:	ff4adf0a-1af3-431b-b7d3-ced985d6b5d7
Generator EPA ID:	CAD981583057
Shipment Date:	2019-06-26
Manifest Number:	006938980SKS
Line Number:	1
Method Code:	H141
Quantity Tons:	0.02500
Quantity Waste:	50.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Metal drums, barrels, kegs
Quantity Type:	Pounds
Federal Code:	D007

Year:	2019
EM Manifest ID:	ff4adf0a-1af3-431b-b7d3-ced985d6b5d7
Generator EPA ID:	CAD981583057
Shipment Date:	2019-06-26
Manifest Number:	006938980SKS
Line Number:	1
Method Code:	H141
Quantity Tons:	0.02500
Quantity Waste:	50.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Metal drums, barrels, kegs
Quantity Type:	Pounds
Federal Code:	D008

State:

Year:	2019
EM Manifest ID:	ff4adf0a-1af3-431b-b7d3-ced985d6b5d7
Generator EPA ID:	CAD981583057
Shipment Date:	2019-06-26
Manifest Number:	006938980SKS
Line Number:	1
Method Code:	H141
Quantity Tons:	0.02500
Quantity Waste:	50.000000
Quantity Unit:	P
Number of Containers:	1

PALOMAR COMMUNITY COLLEGE (Continued) **1000334331**

Type of Container:	Metal drums, barrels, kegs
Quantity Type:	Pounds
State Code:	214
Year:	2019
EM Manifest ID:	a0e18b4e-46c9-4089-83ec-254d771f6966
Shipment Date:	6/26/2019
Receipt Date:	7/1/2019
Manifest Number:	007052819SKS
Generator EPA ID:	CAD981583057
Name:	PALOMAR COMMUNITY COLLEGE
Address:	1140 W MISSION RD
Address 2:	Not reported
City:	SAN MARCOS
Zip:	92069
Telephone:	800-483-3718
Contact:	Teresa Wacker
Contact Telephone:	760-744-1150
Transporter 1 EPA ID:	TXR000081205
Transporter 1 Emergency Number:	Not reported
Transporter 2 EPA ID:	MAD039322250
Transporter 2 Emergency Number:	Not reported
TSDF EPA ID:	CAT000613976
TSDF Name:	Safety-Kleen Systems, Inc.
TSDF Address 1:	2120 South Yale Street
TSDF Address 2:	Not reported
TSDF City:	Santa Ana
TSDF Zip:	92704
TSDF Telephone:	800-483-3718

State:

Year:	2019
EM Manifest ID:	a0e18b4e-46c9-4089-83ec-254d771f6966
Generator EPA ID:	CAD981583057
Shipment Date:	2019-06-26
Manifest Number:	007052819SKS
Line Number:	1
Method Code:	H141
Quantity Tons:	0.14280
Quantity Waste:	34.000000
Quantity Unit:	G
Number of Containers:	2
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Gallons
State Code:	134
Year:	2019
EM Manifest ID:	a0e18b4e-46c9-4089-83ec-254d771f6966
Generator EPA ID:	CAD981583057
Shipment Date:	2019-06-26
Manifest Number:	007052819SKS
Line Number:	2
Method Code:	H141
Quantity Tons:	0.02100
Quantity Waste:	5.000000
Quantity Unit:	G
Number of Containers:	1

PALOMAR COMMUNITY COLLEGE (Continued) **1000334331**

Type of Container: Fiberboard or plastic drums, barrels, kegs
Quantity Type: Gallons
State Code: 134

Year: 2019
EM Manifest ID: 44217
Shipment Date: 5/14/2019
Receipt Date: 5/30/2019
Manifest Number: 012835255JJK
Generator EPA ID: CAD981583057
Name: PALOMAR COMMUNITY COLLEGE
Address: 1140 W MISSION RD
Address 2: Not reported
City: SAN MARCOS
Zip: 92069-0000
Telephone: 800-505-5053
Contact: Not reported
Contact Telephone: 760-744-1150
Transporter 1 EPA ID: CAL000276238
Transporter 1 Emergency Number: Not reported
Transporter 2 EPA ID: CAR000049064
Transporter 2 Emergency Number: Not reported
TSDF EPA ID: AZR000520882
TSDF Name: LA PAZ COUNTY REGIONAL LANDFILL
TSDF Address 1: 26999 HIGHWAY 95
TSDF Address 2: Not reported
TSDF City: PARKER
TSDF Zip: 85344
TSDF Telephone: Not reported

State:
Year: 2019
EM Manifest ID: 44217
Generator EPA ID: CAD981583057
Shipment Date: 2019-05-14
Manifest Number: 012835255JJK
Line Number: 1
Method Code: H132
Quantity Tons: 0.92000
Quantity Waste: 4.000000
Quantity Unit: Y
Number of Containers: 37
Type of Container: Burlap, cloth, paper, or plastic bags
Quantity Type: Cubic Yards
State Code: 151

Year: 2019
EM Manifest ID: fd893cfe-8cc6-4bf3-98bd-408cde0982d1
Shipment Date: 3/4/2019
Receipt Date: 3/11/2019
Manifest Number: 006850556SKS
Generator EPA ID: CAD981583057
Name: PALOMAR COMMUNITY COLLEGE
Address: 1140 W MISSION RD
Address 2: Not reported
City: SAN MARCOS

PALOMAR COMMUNITY COLLEGE (Continued) **1000334331**

Zip: 92069
Telephone: 800-483-3718
Contact: Teresa Wacker
Contact Telephone: 760-744-1150
Transporter 1 EPA ID: TXR000081205
Transporter 1 Emergency Number: Not reported
Transporter 2 EPA ID: MAD039322250
Transporter 2 Emergency Number: Not reported
TSDF EPA ID: CAT000613976
TSDF Name: Safety-Kleen Systems, Inc.
TSDF Address 1: 2120 South Yale Street
TSDF Address 2: Not reported
TSDF City: Santa Ana
TSDF Zip: 92704
TSDF Telephone: 800-483-3718

State:

Year: 2019
EM Manifest ID: fd893cfe-8cc6-4bf3-98bd-408cde0982d1
Generator EPA ID: CAD981583057
Shipment Date: 2019-03-04
Manifest Number: 006850556SKS
Line Number: 1
Method Code: H141
Quantity Tons: 0.01680
Quantity Waste: 4.000000
Quantity Unit: G
Number of Containers: 1
Type of Container: Fiberboard or plastic drums, barrels, kegs
Quantity Type: Gallons
State Code: 134

Year: 2019
EM Manifest ID: fd893cfe-8cc6-4bf3-98bd-408cde0982d1
Generator EPA ID: CAD981583057
Shipment Date: 2019-03-04
Manifest Number: 006850556SKS
Line Number: 2
Method Code: H141
Quantity Tons: 0.18900
Quantity Waste: 45.000000
Quantity Unit: G
Number of Containers: 2
Type of Container: Fiberboard or plastic drums, barrels, kegs
Quantity Type: Gallons
State Code: 134

Year: 2019
EM Manifest ID: 5c3cac49-ab77-4b90-90ad-69a6690aa756
Shipment Date: 3/4/2019
Receipt Date: 3/19/2019
Manifest Number: 006639549SKS
Generator EPA ID: CAD981583057
Name: PALOMAR COMMUNITY COLLEGE
Address: 1140 W MISSION RD
Address 2: Not reported
City: SAN MARCOS

PALOMAR COMMUNITY COLLEGE (Continued) **1000334331**

Zip:	92069
Telephone:	800-483-3718
Contact:	Teresa Wacker
Contact Telephone:	760-744-1150
Transporter 1 EPA ID:	TXR000081205
Transporter 1 Emergency Number:	Not reported
Transporter 2 EPA ID:	MAD039322250
Transporter 2 Emergency Number:	Not reported
TSDF EPA ID:	CAD044429835
TSDF Name:	Clean Harbors Wilmington LLC
TSDF Address 1:	1737 East Denni Street
TSDF Address 2:	Not reported
TSDF City:	Wilmington
TSDF Zip:	90744
TSDF Telephone:	800-483-3718

Federal:

Year:	2019
EM Manifest ID:	5c3cac49-ab77-4b90-90ad-69a6690aa756
Generator EPA ID:	CAD981583057
Shipment Date:	2019-03-04
Manifest Number:	006639549SKS
Line Number:	1
Method Code:	H141
Quantity Tons:	0.02800
Quantity Waste:	56.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Metal drums, barrels, kegs
Quantity Type:	Pounds
Federal Code:	D006

Year:	2019
EM Manifest ID:	5c3cac49-ab77-4b90-90ad-69a6690aa756
Generator EPA ID:	CAD981583057
Shipment Date:	2019-03-04
Manifest Number:	006639549SKS
Line Number:	1
Method Code:	H141
Quantity Tons:	0.02800
Quantity Waste:	56.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Metal drums, barrels, kegs
Quantity Type:	Pounds
Federal Code:	D007

Year:	2019
EM Manifest ID:	5c3cac49-ab77-4b90-90ad-69a6690aa756
Generator EPA ID:	CAD981583057
Shipment Date:	2019-03-04
Manifest Number:	006639549SKS
Line Number:	1
Method Code:	H141
Quantity Tons:	0.02800
Quantity Waste:	56.000000
Quantity Unit:	P
Number of Containers:	1

PALOMAR COMMUNITY COLLEGE (Continued) **1000334331**

Type of Container: Metal drums, barrels, kegs
Quantity Type: Pounds
Federal Code: D008

State:
Year: 2019
EM Manifest ID: 5c3cac49-ab77-4b90-90ad-69a6690aa756
Generator EPA ID: CAD981583057
Shipment Date: 2019-03-04
Manifest Number: 006639549SKS
Line Number: 1
Method Code: H141
Quantity Tons: 0.02800
Quantity Waste: 56.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: Metal drums, barrels, kegs
Quantity Type: Pounds
State Code: 214

Year: 2019
EM Manifest ID: 263204
Shipment Date: 12/14/2018
Receipt Date: 1/2/2019
Manifest Number: 006639548SKS
Generator EPA ID: CAD981583057
Name: PALOMAR COMMUNITY COLLEGE
Address: 1140 W MISSION RD
Address 2: Not reported
City: SAN MARCOS
Zip: 92069
Telephone: 800-483-3718
Contact: Teresa Wacker
Contact Telephone: 760-744-1150
Transporter 1 EPA ID: TXR000081205
Transporter 1 Emergency Number: Not reported
Transporter 2 EPA ID: MAD039322250
Transporter 2 Emergency Number: Not reported
TSDF EPA ID: CAD044429835
TSDF Name: Clean Harbors Wilmington LLC
TSDF Address 1: 1737 East Denni Street
TSDF Address 2: Not reported
TSDF City: Wilmington
TSDF Zip: 90744
TSDF Telephone: 800-483-3718

Federal:
Year: 2019
EM Manifest ID: 263204
Generator EPA ID: CAD981583057
Shipment Date: 2018-12-14
Manifest Number: 006639548SKS
Line Number: 1
Method Code: H141
Quantity Tons: 0.07400
Quantity Waste: 148.000000

PALOMAR COMMUNITY COLLEGE (Continued) **1000334331**

Quantity Unit: P
Number of Containers: 3
Type of Container: Metal drums, barrels, kegs
Quantity Type: Pounds
Federal Code: D006

Year: 2019
EM Manifest ID: 263204
Generator EPA ID: CAD981583057
Shipment Date: 2018-12-14
Manifest Number: 006639548SKS
Line Number: 1
Method Code: H141
Quantity Tons: 0.07400
Quantity Waste: 148.000000
Quantity Unit: P
Number of Containers: 3
Type of Container: Metal drums, barrels, kegs
Quantity Type: Pounds
Federal Code: D007

Year: 2019
EM Manifest ID: 263204
Generator EPA ID: CAD981583057
Shipment Date: 2018-12-14
Manifest Number: 006639548SKS
Line Number: 1
Method Code: H141
Quantity Tons: 0.07400
Quantity Waste: 148.000000
Quantity Unit: P
Number of Containers: 3
Type of Container: Metal drums, barrels, kegs
Quantity Type: Pounds
Federal Code: D008

State:
Year: 2019
EM Manifest ID: 263204
Generator EPA ID: CAD981583057
Shipment Date: 2018-12-14
Manifest Number: 006639548SKS
Line Number: 1
Method Code: H141
Quantity Tons: 0.07400
Quantity Waste: 148.000000
Quantity Unit: P
Number of Containers: 3
Type of Container: Metal drums, barrels, kegs
Quantity Type: Pounds
State Code: 214

Year: 2019
EM Manifest ID: 255789
Shipment Date: 12/14/2018
Receipt Date: 12/20/2018

PALOMAR COMMUNITY COLLEGE (Continued) **1000334331**

Manifest Number:	006809458SKS
Generator EPA ID:	CAD981583057
Name:	PALOMAR COMMUNITY COLLEGE
Address:	1140 W MISSION RD
Address 2:	Not reported
City:	SAN MARCOS
Zip:	92069
Telephone:	800-483-3718
Contact:	Teresa Wacker
Contact Telephone:	760-744-1150
Transporter 1 EPA ID:	TXR000081205
Transporter 1 Emergency Number:	Not reported
Transporter 2 EPA ID:	MAD039322250
Transporter 2 Emergency Number:	Not reported
TSDF EPA ID:	CAT000613976
TSDF Name:	Safety-Kleen Systems, Inc.
TSDF Address 1:	2120 South Yale Street
TSDF Address 2:	Not reported
TSDF City:	Santa Ana
TSDF Zip:	92704
TSDF Telephone:	800-483-3718

State:

Year:	2019
EM Manifest ID:	255789
Generator EPA ID:	CAD981583057
Shipment Date:	2018-12-14
Manifest Number:	006809458SKS
Line Number:	1
Method Code:	H141
Quantity Tons:	0.16800
Quantity Waste:	40.000000
Quantity Unit:	G
Number of Containers:	2
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Gallons
State Code:	134

Year:	2019
EM Manifest ID:	255789
Generator EPA ID:	CAD981583057
Shipment Date:	2018-12-14
Manifest Number:	006809458SKS
Line Number:	2
Method Code:	H141
Quantity Tons:	0.01680
Quantity Waste:	4.000000
Quantity Unit:	G
Number of Containers:	1
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Gallons
State Code:	134

Year:	2019
EM Manifest ID:	979115
Shipment Date:	11/6/2019
Receipt Date:	11/14/2019

PALOMAR COMMUNITY COLLEGE (Continued) **1000334331**

Manifest Number:	007110997SKS
Generator EPA ID:	CAD981583057
Name:	PALOMAR COMMUNITY COLLEGE
Address:	1140 W MISSION RD
Address 2:	Not reported
City:	SAN MARCOS
Zip:	92069
Telephone:	800-483-3718
Contact:	Teresa Wacker
Contact Telephone:	760-744-1150
Transporter 1 EPA ID:	TXR000081205
Transporter 1 Emergency Number:	Not reported
Transporter 2 EPA ID:	MAD039322250
Transporter 2 Emergency Number:	Not reported
TSDF EPA ID:	CAT000613976
TSDF Name:	Safety-Kleen Systems, Inc.
TSDF Address 1:	2120 South Yale Street
TSDF Address 2:	Not reported
TSDF City:	Santa Ana
TSDF Zip:	92704
TSDF Telephone:	800-483-3718

State:

Year:	2019
EM Manifest ID:	979115
Generator EPA ID:	CAD981583057
Shipment Date:	2019-11-06
Manifest Number:	007110997SKS
Line Number:	1
Method Code:	H141
Quantity Tons:	0.12600
Quantity Waste:	30.000000
Quantity Unit:	G
Number of Containers:	2
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Gallons
State Code:	134

Year:	2019
EM Manifest ID:	979115
Generator EPA ID:	CAD981583057
Shipment Date:	2019-11-06
Manifest Number:	007110997SKS
Line Number:	2
Method Code:	H141
Quantity Tons:	0.01680
Quantity Waste:	4.000000
Quantity Unit:	G
Number of Containers:	1
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Gallons
State Code:	134

Detail Two:

Year:	2018
EM Manifest ID:	120968

PALOMAR COMMUNITY COLLEGE (Continued) **1000334331**

Shipment Date:	9/18/2018
Receipt Date:	9/24/2018
Manifest Number:	006562921SKS
Generator EPA ID:	CAD981583057
Name:	PALOMAR COMMUNITY COLLEGE
Address:	1140 W MISSION RD
Address 2:	Not reported
City:	SAN MARCOS
Zip:	92069
Telephone:	800-483-3718
Contact:	Teresa Wacker
Contact Telephone:	760-744-1150
Transporter 1 EPA ID:	TXR000081205
Transporter 1 Emergency Number:	Not reported
Transporter 2 EPA ID:	MAD039322250
Transporter 2 Emergency Number:	Not reported
TSDF EPA ID:	CAT000613976
TSDF Name:	Safety-Kleen Systems, Inc.
TSDF Address 1:	2120 South Yale Street
TSDF Address 2:	Not reported
TSDF City:	Santa Ana
TSDF Zip:	92704
TSDF Telephone:	800-483-3718

State:

Year:	2018
EM Manifest ID:	120968
Generator EPA ID:	CAD981583057
Shipment Date:	2018-09-18
Manifest Number:	006562921SKS
Line Number:	1
Method Code:	H141
Quantity Tons:	0.01260
Quantity Waste:	3.000000
Quantity Unit:	G
Number of Containers:	1
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Gallons
State Code:	134

Year:	2018
EM Manifest ID:	120968
Generator EPA ID:	CAD981583057
Shipment Date:	2018-09-18
Manifest Number:	006562921SKS
Line Number:	2
Method Code:	H141
Quantity Tons:	0.19320
Quantity Waste:	46.000000
Quantity Unit:	G
Number of Containers:	2
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Gallons
State Code:	134

Year:	2018
EM Manifest ID:	144291

PALOMAR COMMUNITY COLLEGE (Continued) **1000334331**

Shipment Date:	9/18/2018
Receipt Date:	10/5/2018
Manifest Number:	006394309SKS
Generator EPA ID:	CAD981583057
Name:	PALOMAR COMMUNITY COLLEGE
Address:	1140 W MISSION RD
Address 2:	Not reported
City:	SAN MARCOS
Zip:	92069
Telephone:	800-483-3718
Contact:	Teresa Wacker
Contact Telephone:	760-744-1150
Transporter 1 EPA ID:	TXR000081205
Transporter 1 Emergency Number:	Not reported
Transporter 2 EPA ID:	MAD039322250
Transporter 2 Emergency Number:	Not reported
TSDF EPA ID:	CAD044429835
TSDF Name:	Clean Harbors Wilmington LLC
TSDF Address 1:	1737 East Denni Street
TSDF Address 2:	Not reported
TSDF City:	Wilmington
TSDF Zip:	90744
TSDF Telephone:	800-483-3718

State:

Year:	2018
EM Manifest ID:	144291
Generator EPA ID:	CAD981583057
Shipment Date:	2018-09-18
Manifest Number:	006394309SKS
Line Number:	1
Method Code:	H141
Quantity Tons:	0.01250
Quantity Waste:	25.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Metal drums, barrels, kegs
Quantity Type:	Pounds
State Code:	214

Year:	2018
EM Manifest ID:	018038500JJK20180508_D_1
Shipment Date:	5/8/2018
Receipt Date:	6/27/2018
Manifest Number:	018038500JJK
Generator EPA ID:	CAD981583057
Name:	PALOMAR COMMUNITY COLLEGE
Address:	Not reported
Address 2:	Not reported
City:	Not reported
Zip:	Not reported
Telephone:	Not reported
Contact:	Not reported
Contact Telephone:	Not reported
Transporter 1 EPA ID:	MNS000110924
Transporter 1 Emergency Number:	Not reported
Transporter 2 EPA ID:	NED986382133

PALOMAR COMMUNITY COLLEGE (Continued) **1000334331**

Transporter 2 Emergency Number: Not reported
TSDF EPA ID: NVD980895338
TSDF Name: 21ST CENTURY ENVIRONMENTAL MANAGEMENT
TSDF Address 1: Not reported
TSDF Address 2: Not reported
TSDF City: Not reported
TSDF Zip: Not reported
TSDF Telephone: Not reported

Federal:
Year: 2018
EM Manifest ID: 018038500JJK20180508_D_1
Generator EPA ID: CAD981583057
Shipment Date: 2018-05-08
Manifest Number: 018038500JJK
Line Number: 1
Method Code: H141
Quantity Tons: 0.00300
Quantity Waste: 6.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: NULL
Quantity Type: NULL
Federal Code: D001

Year: 2018
EM Manifest ID: 018038500JJK20180508_D_1
Generator EPA ID: CAD981583057
Shipment Date: 2018-05-08
Manifest Number: 018038500JJK
Line Number: 1
Method Code: H141
Quantity Tons: 0.00300
Quantity Waste: 6.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: NULL
Quantity Type: NULL
Federal Code: D003

State:
Year: 2018
EM Manifest ID: 018038500JJK20180508_D_1
Generator EPA ID: CAD981583057
Shipment Date: 2018-05-08
Manifest Number: 018038500JJK
Line Number: 1
Method Code: H141
Quantity Tons: 0.00300
Quantity Waste: 6.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: NULL
Quantity Type: NULL
State Code: 181

PALOMAR COMMUNITY COLLEGE (Continued) **1000334331**

Year:	2018
EM Manifest ID:	005741485SKS20170414_D_1
Shipment Date:	4/4/2017
Receipt Date:	4/24/2017
Manifest Number:	005741485SKS
Generator EPA ID:	CAD981583057
Name:	PALOMAR COMMUNITY COLLEGE
Address:	Not reported
Address 2:	Not reported
City:	Not reported
Zip:	Not reported
Telephone:	Not reported
Contact:	Not reported
Contact Telephone:	Not reported
Transporter 1 EPA ID:	TXR000081205
Transporter 1 Emergency Number:	Not reported
Transporter 2 EPA ID:	MAD039322250
Transporter 2 Emergency Number:	Not reported
TSDF EPA ID:	CAT000613976
TSDF Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Address 1:	Not reported
TSDF Address 2:	Not reported
TSDF City:	Not reported
TSDF Zip:	Not reported
TSDF Telephone:	Not reported

State:

Year:	2018
EM Manifest ID:	005741485SKS20170414_D_1
Generator EPA ID:	CAD981583057
Shipment Date:	2017-04-04
Manifest Number:	005741485SKS
Line Number:	1
Method Code:	H141
Quantity Tons:	0.02100
Quantity Waste:	5.000000
Quantity Unit:	G
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
State Code:	134

Year:	2018
EM Manifest ID:	005741485SKS20170414_D_1
Generator EPA ID:	CAD981583057
Shipment Date:	2017-04-04
Manifest Number:	005741485SKS
Line Number:	2
Method Code:	H141
Quantity Tons:	0.16800
Quantity Waste:	40.000000
Quantity Unit:	G
Number of Containers:	2
Type of Container:	NULL
Quantity Type:	NULL
State Code:	134

PALOMAR COMMUNITY COLLEGE (Continued) **1000334331**

Year:	2018
EM Manifest ID:	006594608SKS20180403_D_1
Shipment Date:	4/3/2018
Receipt Date:	4/9/2018
Manifest Number:	006594608SKS
Generator EPA ID:	CAD981583057
Name:	PALOMAR COMMUNITY COLLEGE
Address:	Not reported
Address 2:	Not reported
City:	Not reported
Zip:	Not reported
Telephone:	Not reported
Contact:	Not reported
Contact Telephone:	Not reported
Transporter 1 EPA ID:	TXR000081205
Transporter 1 Emergency Number:	Not reported
Transporter 2 EPA ID:	MAD039322250
Transporter 2 Emergency Number:	Not reported
TSDF EPA ID:	CAT000613976
TSDF Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Address 1:	Not reported
TSDF Address 2:	Not reported
TSDF City:	Not reported
TSDF Zip:	Not reported
TSDF Telephone:	Not reported

State:

Year:	2018
EM Manifest ID:	006594608SKS20180403_D_1
Generator EPA ID:	CAD981583057
Shipment Date:	2018-04-03
Manifest Number:	006594608SKS
Line Number:	1
Method Code:	H141
Quantity Tons:	0.01680
Quantity Waste:	4.000000
Quantity Unit:	G
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
State Code:	134

Year:	2018
EM Manifest ID:	006594608SKS20180403_D_1
Generator EPA ID:	CAD981583057
Shipment Date:	2018-04-03
Manifest Number:	006594608SKS
Line Number:	2
Method Code:	H141
Quantity Tons:	0.15120
Quantity Waste:	36.000000
Quantity Unit:	G
Number of Containers:	2
Type of Container:	NULL
Quantity Type:	NULL
State Code:	134

PALOMAR COMMUNITY COLLEGE (Continued) **1000334331**

Year:	2018
EM Manifest ID:	006224057SKS20180403_D_1
Shipment Date:	4/3/2018
Receipt Date:	4/27/2018
Manifest Number:	006224057SKS
Generator EPA ID:	CAD981583057
Name:	PALOMAR COMMUNITY COLLEGE
Address:	Not reported
Address 2:	Not reported
City:	Not reported
Zip:	Not reported
Telephone:	Not reported
Contact:	Not reported
Contact Telephone:	Not reported
Transporter 1 EPA ID:	TXR000081205
Transporter 1 Emergency Number:	Not reported
Transporter 2 EPA ID:	MAD039322250
Transporter 2 Emergency Number:	Not reported
TSDF EPA ID:	CAD059494310
TSDF Name:	CLEAN HARBORS SAN JOSE
TSDF Address 1:	Not reported
TSDF Address 2:	Not reported
TSDF City:	Not reported
TSDF Zip:	Not reported
TSDF Telephone:	Not reported

State:

Year:	2018
EM Manifest ID:	006224057SKS20180403_D_1
Generator EPA ID:	CAD981583057
Shipment Date:	2018-04-03
Manifest Number:	006224057SKS
Line Number:	1
Method Code:	H141
Quantity Tons:	0.00750
Quantity Waste:	15.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
State Code:	214

Year:	2018
EM Manifest ID:	018375325JJK20180426_D_1
Shipment Date:	4/26/2018
Receipt Date:	5/8/2018
Manifest Number:	018375325JJK
Generator EPA ID:	CAD981583057
Name:	PALOMAR COMMUNITY COLLEGE
Address:	Not reported
Address 2:	Not reported
City:	Not reported
Zip:	Not reported
Telephone:	Not reported
Contact:	Not reported
Contact Telephone:	Not reported
Transporter 1 EPA ID:	MNS000110924

PALOMAR COMMUNITY COLLEGE (Continued) **1000334331**

Transporter 1 Emergency Number: Not reported
Transporter 2 EPA ID: CAR000217000
Transporter 2 Emergency Number: Not reported
TSDF EPA ID: NVD980895338
TSDF Name: 21ST CENTURY ENVIRONMENTAL MANAGEMENT OF NEVADA LLC
TSDF Address 1: Not reported
TSDF Address 2: Not reported
TSDF City: Not reported
TSDF Zip: Not reported
TSDF Telephone: Not reported

State:
Year: 2018
EM Manifest ID: 018375325JJK20180426_D_1
Generator EPA ID: CAD981583057
Shipment Date: 2018-04-26
Manifest Number: 018375325JJK
Line Number: 1
Method Code: H141
Quantity Tons: 0.01850
Quantity Waste: 37.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: NULL
Quantity Type: NULL
State Code: 151

Year: 2018
EM Manifest ID: 005735279SKS20170414_D_1
Shipment Date: 4/14/2017
Receipt Date: 4/21/2017
Manifest Number: 005735279SKS
Generator EPA ID: CAD981583057
Name: PALOMAR COMMUNITY COLLEGE
Address: Not reported
Address 2: Not reported
City: Not reported
Zip: Not reported
Telephone: Not reported
Contact: Not reported
Contact Telephone: Not reported
Transporter 1 EPA ID: TXR000081205
Transporter 1 Emergency Number: Not reported
Transporter 2 EPA ID: MAD039322250
Transporter 2 Emergency Number: Not reported
TSDF EPA ID: CAD044429835
TSDF Name: CLEAN HARBORS OF WILMINGTON LLC
TSDF Address 1: Not reported
TSDF Address 2: Not reported
TSDF City: Not reported
TSDF Zip: Not reported
TSDF Telephone: Not reported

State:
Year: 2018
EM Manifest ID: 005735279SKS20170414_D_1
Generator EPA ID: CAD981583057

PALOMAR COMMUNITY COLLEGE (Continued) **1000334331**

Shipment Date: 2017-04-14
Manifest Number: 005735279SKS
Line Number: 1
Method Code: H141
Quantity Tons: 0.09600
Quantity Waste: 192.000000
Quantity Unit: P
Number of Containers: 3
Type of Container: NULL
Quantity Type: NULL
State Code: 214

Year: 2018
EM Manifest ID: 006251138SKS20180110_D_1
Shipment Date: 1/10/2018
Receipt Date: 1/15/2018
Manifest Number: 006251138SKS
Generator EPA ID: CAD981583057
Name: PALOMAR COMMUNITY COLLEGE
Address: Not reported
Address 2: Not reported
City: Not reported
Zip: Not reported
Telephone: Not reported
Contact: Not reported
Contact Telephone: Not reported
Transporter 1 EPA ID: TXR000081205
Transporter 1 Emergency Number: Not reported
Transporter 2 EPA ID: MAD039322250
Transporter 2 Emergency Number: Not reported
TSDF EPA ID: CAT000613976
TSDF Name: SAFETY-KLEEN SYSTEMS INC
TSDF Address 1: Not reported
TSDF Address 2: Not reported
TSDF City: Not reported
TSDF Zip: Not reported
TSDF Telephone: Not reported

State:
Year: 2018
EM Manifest ID: 006251138SKS20180110_D_1
Generator EPA ID: CAD981583057
Shipment Date: 2018-01-10
Manifest Number: 006251138SKS
Line Number: 1
Method Code: H141
Quantity Tons: 0.02100
Quantity Waste: 5.000000
Quantity Unit: G
Number of Containers: 1
Type of Container: NULL
Quantity Type: NULL
State Code: 134

Year: 2018
EM Manifest ID: 006251138SKS20180110_D_1
Generator EPA ID: CAD981583057

PALOMAR COMMUNITY COLLEGE (Continued) **1000334331**

Shipment Date: 2018-01-10
Manifest Number: 006251138SKS
Line Number: 2
Method Code: H141
Quantity Tons: 0.16800
Quantity Waste: 40.000000
Quantity Unit: G
Number of Containers: 2
Type of Container: NULL
Quantity Type: NULL
State Code: 134

Year: 2018
EM Manifest ID: 006251128SKS20180110_D_1
Shipment Date: 1/10/2018
Receipt Date: 1/25/2018
Manifest Number: 006251128SKS
Generator EPA ID: CAD981583057
Name: PALOMAR COMMUNITY COLLEGE
Address: Not reported
Address 2: Not reported
City: Not reported
Zip: Not reported
Telephone: Not reported
Contact: Not reported
Contact Telephone: Not reported
Transporter 1 EPA ID: TXR000081205
Transporter 1 Emergency Number: Not reported
Transporter 2 EPA ID: MAD039322250
Transporter 2 Emergency Number: Not reported
TSDF EPA ID: NED981723513
TSDF Name: CLEAN HARBORS ENVIRONMENTAL SERVICES IN
TSDF Address 1: Not reported
TSDF Address 2: Not reported
TSDF City: Not reported
TSDF Zip: Not reported
TSDF Telephone: Not reported

State:
Year: 2018
EM Manifest ID: 006251128SKS20180110_D_1
Generator EPA ID: CAD981583057
Shipment Date: 2018-01-10
Manifest Number: 006251128SKS
Line Number: 1
Method Code: H040
Quantity Tons: 0.02500
Quantity Waste: 50.000000
Quantity Unit: P
Number of Containers: 2
Type of Container: NULL
Quantity Type: NULL
State Code: 214

Additional Info:

PALOMAR COMMUNITY COLLEGE (Continued) **1000334331**

Year:	2017
Gen EPA ID:	CAD981583057
Shipment Date:	20170623
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	017400388JJK
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC (LA)
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008364432
Trans Name:	RHO-CHEM LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.225
Waste Quantity:	450
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20170623
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	017400388JJK
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC (LA)
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008364432
Trans Name:	RHO-CHEM LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	551 - Laboratory waste chemicals 561 Detergent and soap
RCRA Code:	D002
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.1125
Waste Quantity:	225
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20170623
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	017400388JJK

PALOMAR COMMUNITY COLLEGE (Continued) **1000334331**

Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC (LA)
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008364432
Trans Name:	RHO-CHEM LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	D005
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.2375
Waste Quantity:	475
Quantity Unit:	P
Additional Code 1:	D001
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20170623
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	017400388JJK
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC (LA)
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008364432
Trans Name:	RHO-CHEM LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	D008
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.08
Waste Quantity:	160
Quantity Unit:	P
Additional Code 1:	D007
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20170623
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	017400388JJK
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC (LA)
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008364432
Trans Name:	RHO-CHEM LLC
TSDF Alt EPA ID:	Not reported

PALOMAR COMMUNITY COLLEGE (Continued) **1000334331**

TSDF Alt Name:	Not reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	D001
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0425
Waste Quantity:	85
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20170623
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	017400388JJK
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC (LA)
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008364432
Trans Name:	RHO-CHEM LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	F003
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.1875
Waste Quantity:	375
Quantity Unit:	P
Additional Code 1:	D001
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20170623
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	017400388JJK
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC (LA)
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008364432
Trans Name:	RHO-CHEM LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	291 - Latex waste
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.42
Waste Quantity:	840

PALOMAR COMMUNITY COLLEGE (Continued) **1000334331**

Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20170623
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	017400388JJK
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC (LA)
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008364432
Trans Name:	RHO-CHEM LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	551 - Laboratory waste chemicals 561 Detergent and soap
RCRA Code:	D002
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.1125
Waste Quantity:	225
Quantity Unit:	P
Additional Code 1:	D001
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20170623
Creation Date:	7/17/2018 18:30:28
Receipt Date:	20170706
Manifest ID:	017400388JJK
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC (LA)
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008364432
Trans Name:	RHO-CHEM LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	551 - Laboratory waste chemicals 561 Detergent and soap
RCRA Code:	D002
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.1125
Waste Quantity:	225
Quantity Unit:	P
Additional Code 1:	D001
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

PALOMAR COMMUNITY COLLEGE (Continued) **1000334331**

Shipment Date:	20170623
Creation Date:	7/17/2018 18:30:28
Receipt Date:	20170706
Manifest ID:	017400388JJK
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC (LA)
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008364432
Trans Name:	RHO-CHEM LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	D005
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.1125
Waste Quantity:	225
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2016
Gen EPA ID:	CAD981583057
Shipment Date:	20151223
Creation Date:	5/24/2016 16:38:09
Receipt Date:	20160114
Manifest ID:	005034409SKS
Trans EPA ID:	TXR000081205
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	MAD039322250
Trans 2 Name:	CLEAN HARBORS ENV SERV INC
TSDF EPA ID:	CAD044429835
Trans Name:	CLEAN HARBORS WILMINGTON LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	214 - Unspecified solvent mixture
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.02
Waste Quantity:	40
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20151223
Creation Date:	9/30/2016 18:31:31
Receipt Date:	20151230

PALOMAR COMMUNITY COLLEGE (Continued) **1000334331**

Manifest ID:	005167530SKS
Trans EPA ID:	TXR000081205
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000613976
Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.168
Waste Quantity:	40
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20151223
Creation Date:	9/30/2016 18:31:31
Receipt Date:	20151230
Manifest ID:	005167530SKS
Trans EPA ID:	TXR000081205
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000613976
Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0168
Waste Quantity:	4
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20151002
Creation Date:	3/25/2016 22:15:42
Receipt Date:	20151008
Manifest ID:	004985038SKS
Trans EPA ID:	TXR000081205
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000613976
Trans Name:	SAFETY-KLEEN SYSTEMS INC

PALOMAR COMMUNITY COLLEGE (Continued) **1000334331**

TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.021
Waste Quantity:	5
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20151002
Creation Date:	3/25/2016 22:15:42
Receipt Date:	20151008
Manifest ID:	004985038SKS
Trans EPA ID:	TXR000081205
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000613976
Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.147
Waste Quantity:	35
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20151002
Creation Date:	12/22/2015 22:15:07
Receipt Date:	20151021
Manifest ID:	004827790SKS
Trans EPA ID:	TXR000081205
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	MAD039322250
Trans 2 Name:	CLEAN HARBORS ENV SERV INC
TSDF EPA ID:	CAD044429835
Trans Name:	CLEAN HARBORS WILMINGTON LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	214 - Unspecified solvent mixture
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0275

PALOMAR COMMUNITY COLLEGE (Continued) **1000334331**

Waste Quantity:	55
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20150710
Creation Date:	2/4/2016 22:15:46
Receipt Date:	20150716
Manifest ID:	004943061SKS
Trans EPA ID:	TXR000081205
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000613976
Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.168
Waste Quantity:	40
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20150710
Creation Date:	2/4/2016 22:15:46
Receipt Date:	20150716
Manifest ID:	004943061SKS
Trans EPA ID:	TXR000081205
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000613976
Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0168
Waste Quantity:	4
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

PALOMAR COMMUNITY COLLEGE (Continued) **1000334331**

Shipment Date:	20150710
Creation Date:	9/11/2015 22:15:40
Receipt Date:	20150724
Manifest ID:	004730238SKS
Trans EPA ID:	TXR000081205
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	MAD039322250
Trans 2 Name:	CLEAN HARBORS ENV SERV
TSDF EPA ID:	CAD044429835
Trans Name:	CLEAN HARBORS WILMINGTON LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	214 - Unspecified solvent mixture
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.03
Waste Quantity:	60
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20150615
Creation Date:	1/19/2016 22:15:36
Receipt Date:	20150623
Manifest ID:	000346352JJK
Trans EPA ID:	CAR000170399
Trans Name:	ASE CONTRACTING INC
Trans 2 EPA ID:	CAR000049064
Trans 2 Name:	ECTI
TSDF EPA ID:	AZC950823111
Trans Name:	LA PAZ COUNTY LANDFILL
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	151 - Asbestos-containing waste
RCRA Code:	Not reported
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	0.46
Waste Quantity:	2
Quantity Unit:	Y
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2015
Gen EPA ID:	CAD981583057

Shipment Date:	20151223
Creation Date:	5/24/2016 16:38:09
Receipt Date:	20160114

PALOMAR COMMUNITY COLLEGE (Continued) **1000334331**

Manifest ID:	005034409SKS
Trans EPA ID:	TXR000081205
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	MAD039322250
Trans 2 Name:	CLEAN HARBORS ENV SERV INC
TSDF EPA ID:	CAD044429835
Trans Name:	CLEAN HARBORS WILMINGTON LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	214 - Unspecified solvent mixture
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.02
Waste Quantity:	40
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20151223
Creation Date:	9/30/2016 18:31:31
Receipt Date:	20151230
Manifest ID:	005167530SKS
Trans EPA ID:	TXR000081205
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000613976
Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0168
Waste Quantity:	4
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20151223
Creation Date:	9/30/2016 18:31:31
Receipt Date:	20151230
Manifest ID:	005167530SKS
Trans EPA ID:	TXR000081205
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000613976
Trans Name:	SAFETY-KLEEN SYSTEMS INC

PALOMAR COMMUNITY COLLEGE (Continued) **1000334331**

TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.168
Waste Quantity:	40
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20151002
Creation Date:	12/22/2015 22:15:07
Receipt Date:	20151021
Manifest ID:	004827790SKS
Trans EPA ID:	TXR000081205
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	MAD039322250
Trans 2 Name:	CLEAN HARBORS ENV SERV INC
TSDF EPA ID:	CAD044429835
Trans Name:	CLEAN HARBORS WILMINGTON LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	214 - Unspecified solvent mixture
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0275
Waste Quantity:	55
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20151002
Creation Date:	3/25/2016 22:15:42
Receipt Date:	20151008
Manifest ID:	004985038SKS
Trans EPA ID:	TXR000081205
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000613976
Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.021

PALOMAR COMMUNITY COLLEGE (Continued) **1000334331**

Waste Quantity:	5
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20151002
Creation Date:	3/25/2016 22:15:42
Receipt Date:	20151008
Manifest ID:	004985038SKS
Trans EPA ID:	TXR000081205
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000613976
Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.147
Waste Quantity:	35
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20150710
Creation Date:	9/11/2015 22:15:40
Receipt Date:	20150724
Manifest ID:	004730238SKS
Trans EPA ID:	TXR000081205
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	MAD039322250
Trans 2 Name:	CLEAN HARBORS ENV SERV
TSDF EPA ID:	CAD044429835
Trans Name:	CLEAN HARBORS WILMINGTON LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	214 - Unspecified solvent mixture
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.03
Waste Quantity:	60
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

PALOMAR COMMUNITY COLLEGE (Continued) **1000334331**

Shipment Date:	20150710
Creation Date:	2/4/2016 22:15:46
Receipt Date:	20150716
Manifest ID:	004943061SKS
Trans EPA ID:	TXR000081205
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000613976
Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.168
Waste Quantity:	40
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20150710
Creation Date:	2/4/2016 22:15:46
Receipt Date:	20150716
Manifest ID:	004943061SKS
Trans EPA ID:	TXR000081205
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000613976
Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0168
Waste Quantity:	4
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20150615
Creation Date:	1/19/2016 22:15:36
Receipt Date:	20150623
Manifest ID:	000346352JJK
Trans EPA ID:	CAR000170399
Trans Name:	ASE CONTRACTING INC
Trans 2 EPA ID:	CAR000049064

PALOMAR COMMUNITY COLLEGE (Continued) **1000334331**

Trans 2 Name:	ECTI
TSDF EPA ID:	AZC950823111
Trans Name:	LA PAZ COUNTY LANDFILL
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	151 - Asbestos-containing waste
RCRA Code:	Not reported
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	0.46
Waste Quantity:	2
Quantity Unit:	Y
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2014
Gen EPA ID:	CAD981583057
Shipment Date:	20141017
Creation Date:	4/29/2015 22:15:12
Receipt Date:	20141023
Manifest ID:	004658604SKS
Trans EPA ID:	TXR000081205
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000613976
Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0168
Waste Quantity:	4
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20141017
Creation Date:	4/29/2015 22:15:12
Receipt Date:	20141023
Manifest ID:	004658604SKS
Trans EPA ID:	TXR000081205
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000613976
Trans Name:	SAFETY-KLEEN SYSTEMS INC

PALOMAR COMMUNITY COLLEGE (Continued) **1000334331**

TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.1848
Waste Quantity:	44
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20141017
Creation Date:	1/14/2015 22:14:59
Receipt Date:	20141103
Manifest ID:	004417663SKS
Trans EPA ID:	TXR000081205
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	MAD039322250
Trans 2 Name:	CLEAN HARBORS ENV SVCS INC
TSDF EPA ID:	CAD044429835
Trans Name:	CLEAN HARBORS WILMINGTON LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	214 - Unspecified solvent mixture
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.02
Waste Quantity:	40
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20141008
Creation Date:	5/27/2015 22:15:25
Receipt Date:	20141010
Manifest ID:	013026132JJK
Trans EPA ID:	CAR000223255
Trans Name:	WATKINS ENVIRONMENTAL INC
Trans 2 EPA ID:	CAR000011205
Trans 2 Name:	EFR ENVIRONMENTAL SERVICES INC
TSDF EPA ID:	AZR000506980
Trans Name:	SOUTH YUMA COUNTY LANDFILL
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	- Not reported
RCRA Code:	Not reported
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	Not reported

PALOMAR COMMUNITY COLLEGE (Continued) **1000334331**

Waste Quantity:	Not reported
Quantity Unit:	Not reported
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20141008
Creation Date:	5/27/2015 22:15:25
Receipt Date:	20141010
Manifest ID:	013026132JJK
Trans EPA ID:	CAR000223255
Trans Name:	WATKINS ENVIRONMENTAL INC
Trans 2 EPA ID:	CAR000011205
Trans 2 Name:	EFR ENVIRONMENTAL SERVICES INC
TSDF EPA ID:	AZR000506980
Trans Name:	SOUTH YUMA COUNTY LANDFILL
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	151 - Asbestos-containing waste
RCRA Code:	Not reported
Meth Code:	- Not reported
Quantity Tons:	5.75
Waste Quantity:	25
Quantity Unit:	Y
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20140725
Creation Date:	12/11/2014 22:14:52
Receipt Date:	20140731
Manifest ID:	004317508SKS
Trans EPA ID:	TXR000081205
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000613976
Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0168
Waste Quantity:	4
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

PALOMAR COMMUNITY COLLEGE (Continued) **1000334331**

Shipment Date:	20140725
Creation Date:	10/22/2014 22:15:11
Receipt Date:	20140813
Manifest ID:	004233329SKS
Trans EPA ID:	TXR000081205
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	MAD039322250
Trans 2 Name:	CLEAN HARBORS ENV SERV INC
TSDF EPA ID:	CAD044429835
Trans Name:	CLEAN HARBORS WILMINGTON LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	214 - Unspecified solvent mixture
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.03
Waste Quantity:	60
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20140725
Creation Date:	12/11/2014 22:14:52
Receipt Date:	20140731
Manifest ID:	004317508SKS
Trans EPA ID:	TXR000081205
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000613976
Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.1848
Waste Quantity:	44
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20140630
Creation Date:	9/14/2014 22:15:04
Receipt Date:	20140711
Manifest ID:	012953393JJK
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC (LA)
Trans 2 EPA ID:	Not reported

PALOMAR COMMUNITY COLLEGE (Continued) **1000334331**

Trans 2 Name:	Not reported
TSDF EPA ID:	CAD982444481
Trans Name:	FILTER RECYCLING SERVICES INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0462
Waste Quantity:	14
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20140630
Creation Date:	9/14/2014 22:15:04
Receipt Date:	20140711
Manifest ID:	012953393JJK
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC (LA)
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD982444481
Trans Name:	FILTER RECYCLING SERVICES INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.363
Waste Quantity:	110
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2013
Gen EPA ID:	CAD981583057

Shipment Date:	20131030
Creation Date:	4/5/2014 22:15:10
Receipt Date:	20131111
Manifest ID:	003843107SKS
Trans EPA ID:	TXR000081205
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	AZR000508515
Trans 2 Name:	SLT
TSDF EPA ID:	NED981723513
Trans Name:	CLEAN HARBORS ENVIRONMENTAL SERVICES IN

PALOMAR COMMUNITY COLLEGE (Continued) **1000334331**

TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	214 - Unspecified solvent mixture
RCRA Code:	Not reported
Meth Code:	H040 - Incineration--Thermal Destruction Other Than Use As A Fuel
Quantity Tons:	0.03
Waste Quantity:	60
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20131030
Creation Date:	3/8/2014 22:15:07
Receipt Date:	20131101
Manifest ID:	003748984SKS
Trans EPA ID:	TXR000081205
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000613893
Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0168
Waste Quantity:	4
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20131030
Creation Date:	3/8/2014 22:15:07
Receipt Date:	20131101
Manifest ID:	003748984SKS
Trans EPA ID:	TXR000081205
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000613893
Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.1848
Waste Quantity:	44

PALOMAR COMMUNITY COLLEGE (Continued) **1000334331**

Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20130809
Creation Date:	12/27/2013 22:15:07
Receipt Date:	20130815
Manifest ID:	003709714SKS
Trans EPA ID:	TXR000081205
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000613893
Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.1974
Waste Quantity:	47
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20130809
Creation Date:	12/27/2013 22:15:07
Receipt Date:	20130815
Manifest ID:	003709714SKS
Trans EPA ID:	TXR000081205
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000613893
Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0168
Waste Quantity:	4
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

PALOMAR COMMUNITY COLLEGE (Continued) **1000334331**

Shipment Date:	20130809
Creation Date:	2/12/2014 22:15:06
Receipt Date:	20130824
Manifest ID:	003842792SKS
Trans EPA ID:	TXR000081205
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	CAR000187922
Trans 2 Name:	RUST & SONS TRUCKING
TSDF EPA ID:	NED981723513
Trans Name:	CLEAN HARBORS ENVIRONMENTAL SERVICES IN
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	214 - Unspecified solvent mixture
RCRA Code:	Not reported
Meth Code:	H040 - Incineration--Thermal Destruction Other Than Use As A Fuel
Quantity Tons:	0.028
Waste Quantity:	56
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20130621
Creation Date:	9/17/2013 22:15:12
Receipt Date:	20130628
Manifest ID:	010795134JJK
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC (LA)
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD982444481
Trans Name:	FILTER RECYCLING SERVICES INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.1305
Waste Quantity:	261
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20130621
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	010795134JJK
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC (LA)
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported

PALOMAR COMMUNITY COLLEGE (Continued) **1000334331**

TSDF EPA ID: CAD982444481
Trans Name: FILTER RECYCLING SERVICES INC
TSDF Alt EPA ID: Not reported
TSDF Alt Name: Not reported
Waste Code Description: 551 - Laboratory waste chemicals 561 Detergent and soap
RCRA Code: Not reported
Meth Code: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons: 0.028
Waste Quantity: 56
Quantity Unit: P
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 20130621
Creation Date: Not reported
Receipt Date: Not reported
Manifest ID: 010795134JJK
Trans EPA ID: MNS000110924
Trans Name: STERICYCLE SPECIALTY WASTE SOLUTIONS INC (LA)
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDF EPA ID: CAD982444481
Trans Name: FILTER RECYCLING SERVICES INC
TSDF Alt EPA ID: Not reported
TSDF Alt Name: Not reported
Waste Code Description: 223 - Unspecified oil-containing waste
RCRA Code: Not reported
Meth Code: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons: 0.058
Waste Quantity: 116
Quantity Unit: P
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 20130621
Creation Date: Not reported
Receipt Date: Not reported
Manifest ID: 010795133JJK
Trans EPA ID: MNS000110924
Trans Name: STERICYCLE SPECIALTY WASTE SOLUTIONS INC (LA)
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDF EPA ID: CAD044429835
Trans Name: CLEAN HARBORS WILMINGTON LLC
TSDF Alt EPA ID: Not reported
TSDF Alt Name: Not reported
Waste Code Description: 172 - Metal dust (see 121) and machining waste
RCRA Code: Not reported
Meth Code: H141 - Storage, Bulking, And/Or Transfer Off Site--No

PALOMAR COMMUNITY COLLEGE (Continued) **1000334331**

	Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.4587
Waste Quantity:	110
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2012
Gen EPA ID:	CAD981583057
Shipment Date:	20121130
Creation Date:	4/17/2013 22:15:43
Receipt Date:	20121204
Manifest ID:	003443770SKS
Trans EPA ID:	TXR000081205
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000613976
Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0168
Waste Quantity:	4
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20121130
Creation Date:	4/17/2013 22:15:43
Receipt Date:	20121204
Manifest ID:	003443770SKS
Trans EPA ID:	TXR000081205
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000613976
Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.168
Waste Quantity:	40

PALOMAR COMMUNITY COLLEGE (Continued) **1000334331**

Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20121130
Creation Date:	4/17/2013 22:15:34
Receipt Date:	20121206
Manifest ID:	003331134SKS
Trans EPA ID:	TXR000081205
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000613893
Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	214 - Unspecified solvent mixture
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.08
Waste Quantity:	160
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20120827
Creation Date:	11/28/2012 22:15:41
Receipt Date:	20120905
Manifest ID:	009966359JJK
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	MAD039322250
Trans 2 Name:	CLEAN HARBORS ENV SVS
TSDF EPA ID:	CAD044429835
Trans Name:	CLEAN HARBORS WILMINGTON LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	551 - Laboratory waste chemicals 561 Detergent and soap
RCRA Code:	D003
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.003
Waste Quantity:	6
Quantity Unit:	P
Additional Code 1:	D001
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

PALOMAR COMMUNITY COLLEGE (Continued) **1000334331**

Shipment Date:	20120824
Creation Date:	3/9/2013 22:15:19
Receipt Date:	20120914
Manifest ID:	009966360JJK
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	CAR000206086
Trans 2 Name:	NORTH STATE ENVIRONMENTAL
TSDF EPA ID:	TXD055135388
Trans Name:	SET ENVIRONMENTAL INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	551 - Laboratory waste chemicals 561 Detergent and soap
RCRA Code:	D001
Meth Code:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Quantity Tons:	0.001
Waste Quantity:	2
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20120824
Creation Date:	3/9/2013 22:15:19
Receipt Date:	20120914
Manifest ID:	009966360JJK
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	CAR000206086
Trans 2 Name:	NORTH STATE ENVIRONMENTAL
TSDF EPA ID:	TXD055135388
Trans Name:	SET ENVIRONMENTAL INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	551 - Laboratory waste chemicals 561 Detergent and soap
RCRA Code:	D001
Meth Code:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Quantity Tons:	0.003
Waste Quantity:	6
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20120824
Creation Date:	10/23/2012 22:15:21
Receipt Date:	20120827
Manifest ID:	008475553JJK
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD028409019

PALOMAR COMMUNITY COLLEGE (Continued) **1000334331**

Trans Name:	CROSBY & OVERTON ENVIRONMENTAL SERVICES
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	122 - Alkaline solution without metals (pH > 12.5
RCRA Code:	D002
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.52125
Waste Quantity:	125
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20120817
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	009966338JJK
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD044429835
Trans Name:	CLEAN HARBORS WILMINGTON LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	551 - Laboratory waste chemicals 561 Detergent and soap
RCRA Code:	U202
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.015
Waste Quantity:	30
Quantity Unit:	P
Additional Code 1:	D011
Additional Code 2:	D008
Additional Code 3:	D007
Additional Code 4:	D005
Additional Code 5:	Not reported
Shipment Date:	20120817
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	009966338JJK
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD044429835
Trans Name:	CLEAN HARBORS WILMINGTON LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	551 - Laboratory waste chemicals 561 Detergent and soap
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)

PALOMAR COMMUNITY COLLEGE (Continued) **1000334331**

Quantity Tons:	0.005
Waste Quantity:	10
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20120817
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	009966340JJK
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD982444481
Trans Name:	FILTER RECYCLING SERVICES INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	291 - Latex waste
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	1.14675
Waste Quantity:	275
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

HIST CORTESE:

edr_fname:	PALOMAR COLLEGE
edr_fadd1:	1140 MISSION
City,State,Zip:	SAN MARCOS, CA 92069
Region:	CORTESE
Facility County Code:	37
Reg By:	LTNKA
Reg Id:	9UT1436
edr_fname:	EXPRESS GASOLINE
edr_fadd1:	1140 MISSION
City,State,Zip:	SAN MARCOS, CA 92069
Region:	CORTESE
Facility County Code:	37
Reg By:	LTNKA
Reg Id:	9UT3872
edr_fname:	PALOMAR COMM COLLEGE DIST
edr_fadd1:	1140 MISSION
City,State,Zip:	SAN MARCOS, CA 92069
Region:	CORTESE
Facility County Code:	37
Reg By:	LTNKA

PALOMAR COMMUNITY COLLEGE (Continued) **1000334331**

Reg Id: 9UT2643

edr_fname: DEAN'S SERVICE & TIRE CEN
edr_fadd1: 1140 MISSION
City,State,Zip: SAN MARCOS, CA 92069
Region: CORTESE
Facility County Code: 37
Reg By: LTNKA
Reg Id: 9UT34

NPDES:
Name: PALOMAR COLLEGE ARBORETUM PHASE 1
Address: 1140 WEST MISSION ROAD
City,State,Zip: SAN MARCOS, CA 92069
Facility Status: Terminated
NPDES Number: CAS000002
Region: 9
Agency Number: 0
Regulatory Measure ID: 507519
Place ID: Not reported
Order Number: 2009-0009-DWQ
WDID: 9 37C386671
Regulatory Measure Type: Enrollee
Program Type: Construction
Adoption Date Of Regulatory Measure: Not reported
Effective Date Of Regulatory Measure: 04/24/2019
Termination Date Of Regulatory Measure: 09/29/2020
Expiration Date Of Regulatory Measure: Not reported
Discharge Address: 1140 West Mission Road
Discharge Name: Palomar Community College District
Discharge City: San Marcos
Discharge State: California
Discharge Zip: 92069
Status: Not reported
Status Date: Not reported
Operator Name: Not reported
Operator Address: Not reported
Operator City: Not reported
Operator State: Not reported
Operator Zip: Not reported

Name: PALOMAR MAINTENANCE AND OPERATIONS BUILDING
Address: 1140 WEST MISSION ROAD
City,State,Zip: SAN MARCOS, CA 92123
Facility Status: Not reported
NPDES Number: Not reported
Region: Not reported
Agency Number: Not reported
Regulatory Measure ID: Not reported
Place ID: Not reported
Order Number: Not reported
WDID: 9 37C379351
Regulatory Measure Type: Construction
Program Type: Not reported
Adoption Date Of Regulatory Measure: Not reported
Effective Date Of Regulatory Measure: Not reported
Termination Date Of Regulatory Measure: Not reported

PALOMAR COMMUNITY COLLEGE (Continued) **1000334331**

Expiration Date Of Regulatory Measure:	Not reported
Discharge Address:	Not reported
Discharge Name:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
Status:	Terminated
Status Date:	08/31/2018
Operator Name:	Palomar Community College District
Operator Address:	1140 West Mission Road
Operator City:	San Marcos
Operator State:	California
Operator Zip:	92069

NPDES as of 03/2018:

NPDES Number:	CAS000002
Status:	Active
Agency Number:	0
Region:	9
Regulatory Measure ID:	484847
Order Number:	2009-0009-DWQ
Regulatory Measure Type:	Enrollee
Place ID:	Not reported
WDID:	9 37C379351
Program Type:	Construction
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	04/03/2017
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	Palomar Community College District
Discharge Address:	1140 West Mission Road
Discharge City:	San Marcos
Discharge State:	California
Discharge Zip:	92069
Received Date:	Not reported
Processed Date:	Not reported
Status:	Not reported
Status Date:	Not reported
Place Size:	Not reported
Place Size Unit:	Not reported
Contact:	Not reported
Contact Title:	Not reported
Contact Phone:	Not reported
Contact Phone Ext:	Not reported
Contact Email:	Not reported
Operator Name:	Not reported
Operator Address:	Not reported
Operator City:	Not reported
Operator State:	Not reported
Operator Zip:	Not reported
Operator Contact:	Not reported
Operator Contact Title:	Not reported
Operator Contact Phone:	Not reported
Operator Contact Phone Ext:	Not reported
Operator Contact Email:	Not reported
Operator Type:	Not reported
Developer:	Not reported
Developer Address:	Not reported

PALOMAR COMMUNITY COLLEGE (Continued) **1000334331**

Developer City:	Not reported
Developer State:	Not reported
Developer Zip:	Not reported
Developer Contact:	Not reported
Developer Contact Title:	Not reported
Constype Linear Utility Ind:	Not reported
Emergency Phone:	Not reported
Emergency Phone Ext:	Not reported
Constype Above Ground Ind:	Not reported
Constype Below Ground Ind:	Not reported
Constype Cable Line Ind:	Not reported
Constype Comm Line Ind:	Not reported
Constype Commertial Ind:	Not reported
Constype Electrical Line Ind:	Not reported
Constype Gas Line Ind:	Not reported
Constype Industrial Ind:	Not reported
Constype Other Description:	Not reported
Constype Other Ind:	Not reported
Constype Recons Ind:	Not reported
Constype Residential Ind:	Not reported
Constype Transport Ind:	Not reported
Constype Utility Description:	Not reported
Constype Utility Ind:	Not reported
Constype Water Sewer Ind:	Not reported
Dir Discharge Uswater Ind:	Not reported
Receiving Water Name:	Not reported
Certifier:	Not reported
Certifier Title:	Not reported
Certification Date:	Not reported
Primary Sic:	Not reported
Secondary Sic:	Not reported
Tertiary Sic:	Not reported
NPDES Number:	Not reported
Status:	Not reported
Agency Number:	Not reported
Region:	9
Regulatory Measure ID:	484847
Order Number:	Not reported
Regulatory Measure Type:	Construction
Place ID:	Not reported
WDID:	9 37C379351
Program Type:	Not reported
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	Not reported
Discharge Address:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
Received Date:	03/27/2017
Processed Date:	04/03/2017
Status:	Active
Status Date:	04/03/2017
Place Size:	3.12

PALOMAR COMMUNITY COLLEGE (Continued) **1000334331**

Place Size Unit:	Acres
Contact:	Dennis Daley
Contact Title:	Project Manager
Contact Phone:	619-807-8269
Contact Phone Ext:	Not reported
Contact Email:	ddaley@level10gc.com
Operator Name:	Palomar Community College District
Operator Address:	1140 West Mission Road
Operator City:	San Marcos
Operator State:	California
Operator Zip:	92069
Operator Contact:	Derrick Johnson
Operator Contact Title:	Facilities EHS Supervisor
Operator Contact Phone:	760-744-1150
Operator Contact Phone Ext:	3677
Operator Contact Email:	djohnson1@palomar.edu
Operator Type:	College/University
Developer:	Level 10 Construction
Developer Address:	12555 High Bluff Drive
Developer City:	San Diego
Developer State:	California
Developer Zip:	92130
Developer Contact:	Dennis Daley
Developer Contact Title:	Project Manager
Constype Linear Utility Ind:	N
Emergency Phone:	Not reported
Emergency Phone Ext:	Not reported
Constype Above Ground Ind:	N
Constype Below Ground Ind:	N
Constype Cable Line Ind:	N
Constype Comm Line Ind:	N
Constype Commertial Ind:	N
Constype Electrical Line Ind:	N
Constype Gas Line Ind:	N
Constype Industrial Ind:	N
Constype Other Description:	Educational
Constype Other Ind:	N
Constype Recons Ind:	N
Constype Residential Ind:	N
Constype Transport Ind:	N
Constype Utility Description:	Not reported
Constype Utility Ind:	N
Constype Water Sewer Ind:	N
Dir Discharge Uswater Ind:	N
Receiving Water Name:	San Marcos Creek
Certifier:	Derrick Johnson
Certifier Title:	Facilities EHS Supervisor
Certification Date:	27-MAR-17
Primary Sic:	Not reported
Secondary Sic:	Not reported
Tertiary Sic:	Not reported

Name:	PALOMAR COLLEGE MINKOFF FIELD TURF REPLACEMENT
Address:	1140 WEST MISSION ROAD
City,State,Zip:	SAN MARCOS, CA 92069
Facility Status:	Not reported

PALOMAR COMMUNITY COLLEGE (Continued) **1000334331**

NPDES Number:	Not reported
Region:	Not reported
Agency Number:	Not reported
Regulatory Measure ID:	Not reported
Place ID:	Not reported
Order Number:	Not reported
WDID:	9 37W001181
Regulatory Measure Type:	Construction
Program Type:	Not reported
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Discharge Address:	Not reported
Discharge Name:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
Status:	Expired
Status Date:	06/14/2013
Operator Name:	Palomar Community College District
Operator Address:	1140 West Mission Road
Operator City:	San Marcos
Operator State:	California
Operator Zip:	92069

Name:	WEST COMET CIRCLE PARKING LOT
Address:	1140 WEST MISSION ROAD
City,State,Zip:	SAN MARCOS, CA 92069
Facility Status:	Not reported
NPDES Number:	Not reported
Region:	Not reported
Agency Number:	Not reported
Regulatory Measure ID:	Not reported
Place ID:	Not reported
Order Number:	Not reported
WDID:	9 37W000835
Regulatory Measure Type:	Construction
Program Type:	Not reported
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Discharge Address:	Not reported
Discharge Name:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
Status:	Expired
Status Date:	08/15/2012
Operator Name:	Palomar Community College District
Operator Address:	1140 West Mission Road
Operator City:	San Marcos
Operator State:	California
Operator Zip:	92069

Name:	PALOMAR COLLEGE ARBORETUM PHASE 1

PALOMAR COMMUNITY COLLEGE (Continued) **1000334331**

Address:	1140 WEST MISSION ROAD
City,State,Zip:	SAN MARCOS, CA 92069
Facility Status:	Not reported
NPDES Number:	Not reported
Region:	Not reported
Agency Number:	Not reported
Regulatory Measure ID:	Not reported
Place ID:	Not reported
Order Number:	Not reported
WDID:	9 37C386671
Regulatory Measure Type:	Construction
Program Type:	Not reported
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Discharge Address:	Not reported
Discharge Name:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
Status:	Terminated
Status Date:	09/29/2020
Operator Name:	Palomar Community College District
Operator Address:	1140 West Mission Road
Operator City:	San Marcos
Operator State:	California
Operator Zip:	92069

PEST LIC:

Name:	JEFFREY M JONES
Address:	1140 W MISSION RD
City,State,Zip:	SAN MARCOS, CA 92069
Facility Type:	QAC
Categories:	BCF
License No:	82843
Issued or Renewed Date:	02/05/2021
Expiration Date:	12/31/2022

SAN DIEGO CO LOP:

Name:	PALOMAR COMMUNITY COLLEGE
Address:	1140 W MISSION RD
City,State,Zip:	SAN MARCOS, CA 92069
Record ID:	DEH1993-LSAM-H03452-002
Record Status:	Completed
Opened Date:	12/23/1993
Parcel Number:	220-021-25-00
Case Type:	LOP - Local Oversight Program
Historical Name:	PALOMAR COMMUNITY COLLEGE
SWRCB Global ID:	T0607301391
Funding:	F - LOP Federal Fund
Lead Agency:	DEH/SAM
Lead Agency Date:	12/23/1993
Census Tract:	200.21
Community:	San Marcos
Jurisdiction:	SAN MARCOS

PALOMAR COMMUNITY COLLEGE (Continued) **1000334331**

Watershed Basin Number:	904.52
Water Purveyor:	VALLECITOS WATER DISTRICT
Fire Agency:	SAN MARCOS FIRE PROT DIST
Latitude:	33.1488065
Longitude:	-117.1844217
X MapCoord:	6275601.495
Y MapCoord:	1999124.647

Name:	PALOMAR COMMUNITY COLLEGE
Address:	1140 W MISSION RD
City,State,Zip:	SAN MARCOS, CA 92069
Record ID:	DEH1989-LSAM-H03452-001
Record Status:	Completed
Opened Date:	06/07/1989
Parcel Number:	220-021-25-00
Case Type:	LOP - Local Oversight Program
Historical Name:	PALOMAR COMMUNITY COLLEGE
SWRCB Global ID:	T0607300263
Funding:	F - LOP Federal Fund
Lead Agency:	DEH/SAM
Lead Agency Date:	06/07/1989
Census Tract:	200.21
Community:	San Marcos
Jurisdiction:	SAN MARCOS
Watershed Basin Number:	904.52
Water Purveyor:	VALLECITOS WATER DISTRICT
Fire Agency:	SAN MARCOS FIRE PROT DIST
Latitude:	33.1488065
Longitude:	-117.1844217
X MapCoord:	6275601.495
Y MapCoord:	1999124.647

CIWQS:

Name:	PALOMAR COLLEGE ARBORETUM PHASE 1
Address:	1140 WEST MISSION ROAD
City,State,Zip:	SAN MARCOS, CA 92069
Agency:	Palomar Community College District
Agency Address:	1140 West Mission Road, San Marcos, CA 92069
Place/Project Type:	Construction - Other: Education
SIC/NAICS:	Not reported
Region:	9
Program:	CONSTW
Regulatory Measure Status:	Terminated
Regulatory Measure Type:	Storm water construction
Order Number:	2009-0009-DWQ
WDID:	9 37C386671
NPDES Number:	CAS000002
Adoption Date:	Not reported
Effective Date:	04/24/2019
Termination Date:	09/29/2020
Expiration/Review Date:	Not reported
Design Flow:	Not reported
Major/Minor:	Not reported
Complexity:	Not reported
TTWQ:	Not reported
Enforcement Actions within 5 years:	0
Violations within 5 years:	0

PALOMAR COMMUNITY COLLEGE (Continued) **1000334331**

Latitude: 33.15143
Longitude: -117.18021

CERS:
Name: PALOMAR COMMUNITY COLLEGE
Address: 1140 W MISSION RD
City,State,Zip: SAN MARCOS, CA 920691415
Site ID: 55226
CERS ID: 10375639
CERS Description: Chemical Storage Facilities

Violations:
Site ID: 55226
Site Name: PALOMAR COMMUNITY COLLEGE
Violation Date: 05-20-2016
Citation: 22 CCR 12 66262.34(f) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.34(f)
Violation Description: Failure to properly label hazardous waste accumulation containers with the following requirements: "Hazardous Waste", name and address of the generator, physical and chemical characteristics of the Hazardous Waste, and starting accumulation date.
Violation Notes: Returned to compliance on 05/20/2016. Inspection Sequence ID:5451617
Violation Division: San Diego County Department of Env Health
Violation Program: HW
Violation Source: CERS,

Site ID: 55226
Site Name: PALOMAR COMMUNITY COLLEGE
Violation Date: 07-08-2015
Citation: HSC 6.95 25508.1(a)-(e) - California Health and Safety Code, Chapter 6.95, Section(s) 25508.1(a)-(e)
Violation Description: Failure to electronically update business plan within 30 days of any one of the following events: A 100 percent or more increase in the quantity of a previously disclosed material. Any handling of a previously undisclosed hazardous materials at or above reportable quantities. A change of business address, business ownership, or business name.
Violation Notes: Returned to compliance on 12/24/2015. Inspection Sequence ID:5153771
Violation Division: San Diego County Department of Env Health
Violation Program: HMRRP
Violation Source: CERS,

Site ID: 55226
Site Name: PALOMAR COMMUNITY COLLEGE
Violation Date: 01-22-2014
Citation: HSC 6.67 Multiple - California Health and Safety Code, Chapter 6.67, Section(s) Multiple
Violation Description: Haz Waste Generator Program - Operations/Maintenance - General
Violation Notes: Returned to compliance on 01/23/2014. Inspection Sequence ID:4485960;Violation:HMD0226 Did not accumulate waste in container or tank. 66262.34(d)(2).
Violation Division: San Diego County Department of Env Health
Violation Program: HW
Violation Source: CERS,

Site ID: 55226
Site Name: PALOMAR COMMUNITY COLLEGE

PALOMAR COMMUNITY COLLEGE (Continued) **1000334331**

Violation Date:	01-22-2014
Citation:	HSC 6.95 25505(b) - California Health and Safety Code, Chapter 6.95, Section(s) 25505(b)
Violation Description:	Failure to submit a revised business plan upon a substantial change in the handler's operations.
Violation Notes:	Returned to compliance on 01/23/2014. Inspection Sequence ID:4485960
Violation Division:	San Diego County Department of Env Health
Violation Program:	HMRRP
Violation Source:	CERS,
Site ID:	55226
Site Name:	PALOMAR COMMUNITY COLLEGE
Violation Date:	05-20-2016
Citation:	HSC 6.95 Multiple - California Health and Safety Code, Chapter 6.95, Section(s) Multiple
Violation Description:	Business Plan Program - Administration/Documentation - General
Violation Notes:	Returned to compliance on 06/15/2016. Inspection Sequence ID:5451617;Violation:HMD1008 Annual carcinogen/reproductive toxin list not submitted. SDCC 68.1113(c)
Violation Division:	San Diego County Department of Env Health
Violation Program:	HMRRP
Violation Source:	CERS,
Site ID:	55226
Site Name:	PALOMAR COMMUNITY COLLEGE
Violation Date:	07-08-2015
Citation:	HSC 6.11 25404.1 - California Health and Safety Code, Chapter 6.11, Section(s) 25404.1
Violation Description:	Failure to obtain and/or maintain an active hazardous waste generator permit.
Violation Notes:	Returned to compliance on 08/06/2015. Inspection Sequence ID:5153771
Violation Division:	San Diego County Department of Env Health
Violation Program:	HW
Violation Source:	CERS,
Site ID:	55226
Site Name:	PALOMAR COMMUNITY COLLEGE
Violation Date:	05-20-2016
Citation:	40 CFR 1 265.173 - U.S. Code of Federal Regulations, Title 40, Chapter 1, Section(s) 265.173
Violation Description:	Failure to properly close hazardous waste containers when not in active use.
Violation Notes:	Returned to compliance on 05/20/2016. Inspection Sequence ID:5451617
Violation Division:	San Diego County Department of Env Health
Violation Program:	HW
Violation Source:	CERS,
Site ID:	55226
Site Name:	PALOMAR COMMUNITY COLLEGE
Violation Date:	07-08-2015
Citation:	HSC 6.95 Multiple - California Health and Safety Code, Chapter 6.95, Section(s) Multiple
Violation Description:	Business Plan Program - Administration/Documentation - General
Violation Notes:	Returned to compliance on 08/06/2015. Inspection Sequence ID:5153771;Violation:HMD1001 Unified Program Facility permit not obtained for hazardous materials. SDCC 68.905
Violation Division:	San Diego County Department of Env Health

PALOMAR COMMUNITY COLLEGE (Continued) **1000334331**

Violation Program:	HMRRP
Violation Source:	CERS,
Site ID:	55226
Site Name:	PALOMAR COMMUNITY COLLEGE
Violation Date:	05-20-2016
Citation:	22 CCR 23 66273.34 - California Code of Regulations, Title 22, Chapter 23, Section(s) 66273.34
Violation Description:	Failure to properly label the following categories of universal waste as: 1) Each batteries or the container in which the batteries are contained as "Universal Waste-Battery(ies)". 2) Each mercury-containing equipment or the container in which the mercury-containing equipment is contained as "Universal Waste -Mercury-Containing Equipment". 3) Each Florescent lamp or the container or package in which the lamps are contained as "Universal Waste-Lamp(s)". 4) Each electronic devices or the container or pallet in or on which the electronic devices are contained as "Universal Waste-Electronic Device(s)". 5) Each CRTs or the container or pallet in or on which the CRTs are contained as "Universal Waste-CRT(s)". 6) A container of CRT glass shall be labeled or marked clearly with the following phrase: "Universal Waste-CRT glass". 7) In lieu of labeling individual electronic devices, CRTs, and/or containers of CRT glass pursuant to subsections d) through f) of this section, a universal waste handler may combine, package, and accumulate those universal wastes in appropriate containers or within a designated area demarcated by boundaries that are clearly labeled with the applicable portion(s) of the following phrase: "Universal Waste-Electronic Device(s)/Universal Waste - CRT(s)/Universal Waste-CRT Glass".
Violation Notes:	Returned to compliance on 05/20/2016. Inspection Sequence ID:5451617
Violation Division:	San Diego County Department of Env Health
Violation Program:	HW
Violation Source:	CERS,
Site ID:	55226
Site Name:	PALOMAR COMMUNITY COLLEGE
Violation Date:	01-22-2014
Citation:	22 CCR 12 66262.34(f) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.34(f)
Violation Description:	Failure to properly label hazardous waste accumulation containers with the following requirements: "Hazardous Waste", name and address of the generator, physical and chemical characteristics of the Hazardous Waste, and starting accumulation date.
Violation Notes:	Returned to compliance on 01/23/2014. Inspection Sequence ID:4485960
Violation Division:	San Diego County Department of Env Health
Violation Program:	HW
Violation Source:	CERS,
Site ID:	55226
Site Name:	PALOMAR COMMUNITY COLLEGE
Violation Date:	01-22-2014
Citation:	49 CFR 1 172.201(e) - U.S. Code of Federal Regulations, Title 49, Chapter 1, Section(s) 172.201(e)
Violation Description:	Failure of the universal waste handler to properly package, label, mark, placard, or prepare and retain shipping papers for all universal waste being shipped to another universal waste handler, destination facility, or foreign facility.
Violation Notes:	Returned to compliance on 01/23/2014. Inspection Sequence ID:4485960

PALOMAR COMMUNITY COLLEGE (Continued) **1000334331**

Violation Division: San Diego County Department of Env Health
Violation Program: HW
Violation Source: CERS,

Evaluation:
Eval General Type: Compliance Evaluation Inspection
Eval Date: 05-18-2018
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Inspector: Griffith Gary Inspection ID:5909624
Eval Division: San Diego County Department of Env Health
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-22-2014
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Inspector: North HN101 Inspection ID:4485960
Eval Division: San Diego County Department of Env Health
Eval Program: APSA
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 05-20-2016
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Inspector: Griffith Gary Inspection ID:5451617
Eval Division: San Diego County Department of Env Health
Eval Program: APSA
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 05-20-2016
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Inspector: Griffith Gary Inspection ID:5451617
Eval Division: San Diego County Department of Env Health
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 11-20-2020
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Inspector: Thai Darren Inspection ID:6444757
Eval Division: San Diego County Department of Env Health
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-22-2014
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Inspector: North HN101 Inspection ID:4485960
Eval Division: San Diego County Department of Env Health
Eval Program: HMRRP

PALOMAR COMMUNITY COLLEGE (Continued) **1000334331**

Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 05-18-2018
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Inspector: Griffith Gary Inspection ID:5909624
Eval Division: San Diego County Department of Env Health
Eval Program: APSA
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 07-08-2015
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Inspector: Chairs Michelle Inspection ID:5153771
Eval Division: San Diego County Department of Env Health
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 07-08-2015
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Inspector: Chairs Michelle Inspection ID:5153771
Eval Division: San Diego County Department of Env Health
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-22-2014
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Inspector: North HN101 Inspection ID:4485960
Eval Division: San Diego County Department of Env Health
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 05-18-2018
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Inspector: Griffith Gary Inspection ID:5909624
Eval Division: San Diego County Department of Env Health
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 05-20-2016
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Inspector: Griffith Gary Inspection ID:5451617
Eval Division: San Diego County Department of Env Health
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection

PALOMAR COMMUNITY COLLEGE (Continued) **1000334331**

Eval Date: 07-08-2015
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Inspector: Chairs Michelle Inspection ID:5153771
Eval Division: San Diego County Department of Env Health
Eval Program: APSA
Eval Source: CERS,

Coordinates:
Site ID: 55226
Facility Name: PALOMAR COMMUNITY COLLEGE
Env Int Type Code: LUSTCS
Program ID: T0607300263
Coord Name: Not reported
Ref Point Type Desc: Unknown,
Latitude: 33.147312
Longitude: -117.185293

Affiliation:
Affiliation Type Desc: Document Preparer
Entity Name: Derrick Johnson
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Affiliation Type Desc: Identification Signer
Entity Name: Derrick Johnson
Entity Title: Environmental Health and Safety Super.
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Affiliation Type Desc: Legal Owner
Entity Name: PALOMAR COMMUNITY COLLEGE DISTR
Entity Title: Not reported
Affiliation Address: 1140 W MISSION RD
Affiliation City: SAN MARCOS
Affiliation State: CA
Affiliation Country: United States
Affiliation Zip: 92069
Affiliation Phone: (760) 744-1150,

Affiliation Type Desc: Property Owner
Entity Name: PALOMAR COMMUNITY COLLEGE DISTR
Entity Title: Not reported
Affiliation Address: 1140 W MISSION RD
Affiliation City: SAN MARCOS
Affiliation State: CA
Affiliation Country: United States

PALOMAR COMMUNITY COLLEGE (Continued) **1000334331**

Affiliation Zip: 92069
Affiliation Phone: (760) 744-1150,

Affiliation Type Desc: Parent Corporation
Entity Name: PALOMAR COMMUNITY COLLEGE
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Affiliation Type Desc: CUPA District
Entity Name: San Diego County Env Health Qlty
Entity Title: Not reported
Affiliation Address: PO Box 129261
Affiliation City: San Diego
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 92112-9261
Affiliation Phone: (858) 505-6880,

Affiliation Type Desc: Environmental Contact
Entity Name: Derrick Johnson
Entity Title: Not reported
Affiliation Address: 1140 W MISSION RD
Affiliation City: SAN MARCOS
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 92069
Affiliation Phone: ,

Affiliation Type Desc: Facility Mailing Address
Entity Name: Mailing Address
Entity Title: Not reported
Affiliation Address: 1140 W MISSION RD
Affiliation City: SAN MARCOS
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 92069-1415
Affiliation Phone: ,

Affiliation Type Desc: Operator
Entity Name: PALOMAR COMMUNITY COLLEGE
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: (760) 744-1150,

Name: PALOMAR COMMUNITY COLLEGE
Address: 1140 W MISSION RD
City,State,Zip: SAN MARCOS, CA 920691415

PALOMAR COMMUNITY COLLEGE (Continued) **1000334331**

Site ID: 55226
CERS ID: T0607301391
CERS Description: Leaking Underground Storage Tank Cleanup Site

Violations:
Site ID: 55226
Site Name: PALOMAR COMMUNITY COLLEGE
Violation Date: 05-20-2016
Citation: 22 CCR 12 66262.34(f) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.34(f)
Violation Description: Failure to properly label hazardous waste accumulation containers with the following requirements: "Hazardous Waste", name and address of the generator, physical and chemical characteristics of the Hazardous Waste, and starting accumulation date.
Violation Notes: Returned to compliance on 05/20/2016. Inspection Sequence ID:5451617
Violation Division: San Diego County Department of Env Health
Violation Program: HW
Violation Source: CERS,

Site ID: 55226
Site Name: PALOMAR COMMUNITY COLLEGE
Violation Date: 07-08-2015
Citation: HSC 6.95 25508.1(a)-(e) - California Health and Safety Code, Chapter 6.95, Section(s) 25508.1(a)-(e)
Violation Description: Failure to electronically update business plan within 30 days of any one of the following events: A 100 percent or more increase in the quantity of a previously disclosed material. Any handling of a previously undisclosed hazardous materials at or above reportable quantities. A change of business address, business ownership, or business name.
Violation Notes: Returned to compliance on 12/24/2015. Inspection Sequence ID:5153771
Violation Division: San Diego County Department of Env Health
Violation Program: HMRRP
Violation Source: CERS,

Site ID: 55226
Site Name: PALOMAR COMMUNITY COLLEGE
Violation Date: 01-22-2014
Citation: HSC 6.67 Multiple - California Health and Safety Code, Chapter 6.67, Section(s) Multiple
Violation Description: Haz Waste Generator Program - Operations/Maintenance - General
Violation Notes: Returned to compliance on 01/23/2014. Inspection Sequence ID:4485960;Violation:HMD0226 Did not accumulate waste in container or tank. 66262.34(d)(2).
Violation Division: San Diego County Department of Env Health
Violation Program: HW
Violation Source: CERS,

Site ID: 55226
Site Name: PALOMAR COMMUNITY COLLEGE
Violation Date: 01-22-2014
Citation: HSC 6.95 25505(b) - California Health and Safety Code, Chapter 6.95, Section(s) 25505(b)
Violation Description: Failure to submit a revised business plan upon a substantial change in the handler’s operations.
Violation Notes: Returned to compliance on 01/23/2014. Inspection Sequence ID:4485960
Violation Division: San Diego County Department of Env Health
Violation Program: HMRRP

PALOMAR COMMUNITY COLLEGE (Continued) **1000334331**

Violation Source:	CERS,
Site ID:	55226
Site Name:	PALOMAR COMMUNITY COLLEGE
Violation Date:	05-20-2016
Citation:	HSC 6.95 Multiple - California Health and Safety Code, Chapter 6.95, Section(s) Multiple
Violation Description:	Business Plan Program - Administration/Documentation - General
Violation Notes:	Returned to compliance on 06/15/2016. Inspection Sequence ID:5451617;Violation:HMD1008 Annual carcinogen/reproductive toxin list not submitted. SDCC 68.1113(c)
Violation Division:	San Diego County Department of Env Health
Violation Program:	HMRRP
Violation Source:	CERS,
Site ID:	55226
Site Name:	PALOMAR COMMUNITY COLLEGE
Violation Date:	07-08-2015
Citation:	HSC 6.11 25404.1 - California Health and Safety Code, Chapter 6.11, Section(s) 25404.1
Violation Description:	Failure to obtain and/or maintain an active hazardous waste generator permit.
Violation Notes:	Returned to compliance on 08/06/2015. Inspection Sequence ID:5153771
Violation Division:	San Diego County Department of Env Health
Violation Program:	HW
Violation Source:	CERS,
Site ID:	55226
Site Name:	PALOMAR COMMUNITY COLLEGE
Violation Date:	05-20-2016
Citation:	40 CFR 1 265.173 - U.S. Code of Federal Regulations, Title 40, Chapter 1, Section(s) 265.173
Violation Description:	Failure to properly close hazardous waste containers when not in active use.
Violation Notes:	Returned to compliance on 05/20/2016. Inspection Sequence ID:5451617
Violation Division:	San Diego County Department of Env Health
Violation Program:	HW
Violation Source:	CERS,
Site ID:	55226
Site Name:	PALOMAR COMMUNITY COLLEGE
Violation Date:	07-08-2015
Citation:	HSC 6.95 Multiple - California Health and Safety Code, Chapter 6.95, Section(s) Multiple
Violation Description:	Business Plan Program - Administration/Documentation - General
Violation Notes:	Returned to compliance on 08/06/2015. Inspection Sequence ID:5153771;Violation:HMD1001 Unified Program Facility permit not obtained for hazardous materials. SDCC 68.905
Violation Division:	San Diego County Department of Env Health
Violation Program:	HMRRP
Violation Source:	CERS,
Site ID:	55226
Site Name:	PALOMAR COMMUNITY COLLEGE
Violation Date:	05-20-2016
Citation:	22 CCR 23 66273.34 - California Code of Regulations, Title 22, Chapter 23, Section(s) 66273.34

PALOMAR COMMUNITY COLLEGE (Continued) **1000334331**

Violation Description:	Failure to properly label the following categories of universal waste as: 1) Each batteries or the container in which the batteries are contained as "Universal Waste-Battery(ies)". 2) Each mercury-containing equipment or the container in which the mercury-containing equipment is contained as "Universal Waste -Mercury-Containing Equipment". 3) Each Florescent lamp or the container or package in which the lamps are contained as "Universal Waste-Lamp(s)". 4) Each electronic devices or the container or pallet in or on which the electronic devices are contained as "Universal Waste-Electronic Device(s)". 5) Each CRTs or the container or pallet in or on which the CRTs are contained as "Universal Waste-CRT(s)". 6) A container of CRT glass shall be labeled or marked clearly with the following phrase: "Universal Waste-CRT glass". 7) In lieu of labeling individual electronic devices, CRTs, and/or containers of CRT glass pursuant to subsections d) through f) of this section, a universal waste handler may combine, package, and accumulate those universal wastes in appropriate containers or within a designated area demarcated by boundaries that are clearly labeled with the applicable portion(s) of the following phrase: "Universal Waste-Electronic Device(s)/Universal Waste - CRT(s)/Universal Waste-CRT Glass".
Violation Notes:	Returned to compliance on 05/20/2016. Inspection Sequence ID:5451617
Violation Division:	San Diego County Department of Env Health
Violation Program:	HW
Violation Source:	CERS,
Site ID:	55226
Site Name:	PALOMAR COMMUNITY COLLEGE
Violation Date:	01-22-2014
Citation:	22 CCR 12 66262.34(f) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.34(f)
Violation Description:	Failure to properly label hazardous waste accumulation containers with the following requirements: "Hazardous Waste", name and address of the generator, physical and chemical characteristics of the Hazardous Waste, and starting accumulation date.
Violation Notes:	Returned to compliance on 01/23/2014. Inspection Sequence ID:4485960
Violation Division:	San Diego County Department of Env Health
Violation Program:	HW
Violation Source:	CERS,
Site ID:	55226
Site Name:	PALOMAR COMMUNITY COLLEGE
Violation Date:	01-22-2014
Citation:	49 CFR 1 172.201(e) - U.S. Code of Federal Regulations, Title 49, Chapter 1, Section(s) 172.201(e)
Violation Description:	Failure of the universal waste handler to properly package, label, mark, placard, or prepare and retain shipping papers for all universal waste being shipped to another universal waste handler, destination facility, or foreign facility.
Violation Notes:	Returned to compliance on 01/23/2014. Inspection Sequence ID:4485960
Violation Division:	San Diego County Department of Env Health
Violation Program:	HW
Violation Source:	CERS,

Evaluation:

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	05-18-2018
Violations Found:	No

PALOMAR COMMUNITY COLLEGE (Continued) **1000334331**

Eval Type: Routine done by local agency
Eval Notes: Inspector: Griffith Gary Inspection ID:5909624
Eval Division: San Diego County Department of Env Health
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-22-2014
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Inspector: North HN101 Inspection ID:4485960
Eval Division: San Diego County Department of Env Health
Eval Program: APSA
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 05-20-2016
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Inspector: Griffith Gary Inspection ID:5451617
Eval Division: San Diego County Department of Env Health
Eval Program: APSA
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 05-20-2016
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Inspector: Griffith Gary Inspection ID:5451617
Eval Division: San Diego County Department of Env Health
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 11-20-2020
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Inspector: Thai Darren Inspection ID:6444757
Eval Division: San Diego County Department of Env Health
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-22-2014
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Inspector: North HN101 Inspection ID:4485960
Eval Division: San Diego County Department of Env Health
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 05-18-2018
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Inspector: Griffith Gary Inspection ID:5909624
Eval Division: San Diego County Department of Env Health

PALOMAR COMMUNITY COLLEGE (Continued) **1000334331**

Eval Program: APSA
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 07-08-2015
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Inspector: Chairs Michelle Inspection ID:5153771
Eval Division: San Diego County Department of Env Health
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 07-08-2015
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Inspector: Chairs Michelle Inspection ID:5153771
Eval Division: San Diego County Department of Env Health
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-22-2014
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Inspector: North HN101 Inspection ID:4485960
Eval Division: San Diego County Department of Env Health
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 05-18-2018
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Inspector: Griffith Gary Inspection ID:5909624
Eval Division: San Diego County Department of Env Health
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 05-20-2016
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Inspector: Griffith Gary Inspection ID:5451617
Eval Division: San Diego County Department of Env Health
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 07-08-2015
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Inspector: Chairs Michelle Inspection ID:5153771
Eval Division: San Diego County Department of Env Health
Eval Program: APSA
Eval Source: CERS,

PALOMAR COMMUNITY COLLEGE (Continued) **1000334331**

Coordinates:

Site ID:	55226
Facility Name:	PALOMAR COMMUNITY COLLEGE
Env Int Type Code:	LUSTCS
Program ID:	T0607300263
Coord Name:	Not reported
Ref Point Type Desc:	Unknown,
Latitude:	33.147312
Longitude:	-117.185293

Affiliation:

Affiliation Type Desc:	Document Preparer
Entity Name:	Derrick Johnson
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,
Affiliation Type Desc:	Identification Signer
Entity Name:	Derrick Johnson
Entity Title:	Environmental Health and Safety Super.
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,
Affiliation Type Desc:	Legal Owner
Entity Name:	PALOMAR COMMUNITY COLLEGE DISTR
Entity Title:	Not reported
Affiliation Address:	1140 W MISSION RD
Affiliation City:	SAN MARCOS
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	92069
Affiliation Phone:	(760) 744-1150,
Affiliation Type Desc:	Property Owner
Entity Name:	PALOMAR COMMUNITY COLLEGE DISTR
Entity Title:	Not reported
Affiliation Address:	1140 W MISSION RD
Affiliation City:	SAN MARCOS
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	92069
Affiliation Phone:	(760) 744-1150,
Affiliation Type Desc:	Parent Corporation
Entity Name:	PALOMAR COMMUNITY COLLEGE
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported

PALOMAR COMMUNITY COLLEGE (Continued) **1000334331**

Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Affiliation Type Desc: CUPA District
Entity Name: San Diego County Env Health Qlty
Entity Title: Not reported
Affiliation Address: PO Box 129261
Affiliation City: San Diego
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 92112-9261
Affiliation Phone: (858) 505-6880,

Affiliation Type Desc: Environmental Contact
Entity Name: Derrick Johnson
Entity Title: Not reported
Affiliation Address: 1140 W MISSION RD
Affiliation City: SAN MARCOS
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 92069
Affiliation Phone: ,

Affiliation Type Desc: Facility Mailing Address
Entity Name: Mailing Address
Entity Title: Not reported
Affiliation Address: 1140 W MISSION RD
Affiliation City: SAN MARCOS
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 92069-1415
Affiliation Phone: ,

Affiliation Type Desc: Operator
Entity Name: PALOMAR COMMUNITY COLLEGE
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: (760) 744-1150,

Name: PALOMAR COMMUNITY COLLEGE
Address: 1140 W MISSION RD
City,State,Zip: SAN MARCOS, CA 920691415
Site ID: 55226
CERS ID: T0607300263
CERS Description: Leaking Underground Storage Tank Cleanup Site

Violations:
Site ID: 55226
Site Name: PALOMAR COMMUNITY COLLEGE
Violation Date: 05-20-2016
Citation: 22 CCR 12 66262.34(f) - California Code of Regulations, Title 22,

PALOMAR COMMUNITY COLLEGE (Continued) **1000334331**

	Chapter 12, Section(s) 66262.34(f)
Violation Description:	Failure to properly label hazardous waste accumulation containers with the following requirements: "Hazardous Waste", name and address of the generator, physical and chemical characteristics of the Hazardous Waste, and starting accumulation date.
Violation Notes:	Returned to compliance on 05/20/2016. Inspection Sequence ID:5451617
Violation Division:	San Diego County Department of Env Health
Violation Program:	HW
Violation Source:	CERS,
Site ID:	55226
Site Name:	PALOMAR COMMUNITY COLLEGE
Violation Date:	07-08-2015
Citation:	HSC 6.95 25508.1(a)-(e) - California Health and Safety Code, Chapter 6.95, Section(s) 25508.1(a)-(e)
Violation Description:	Failure to electronically update business plan within 30 days of any one of the following events: A 100 percent or more increase in the quantity of a previously disclosed material. Any handling of a previously undisclosed hazardous materials at or above reportable quantities. A change of business address, business ownership, or business name.
Violation Notes:	Returned to compliance on 12/24/2015. Inspection Sequence ID:5153771
Violation Division:	San Diego County Department of Env Health
Violation Program:	HMRRP
Violation Source:	CERS,
Site ID:	55226
Site Name:	PALOMAR COMMUNITY COLLEGE
Violation Date:	01-22-2014
Citation:	HSC 6.67 Multiple - California Health and Safety Code, Chapter 6.67, Section(s) Multiple
Violation Description:	Haz Waste Generator Program - Operations/Maintenance - General
Violation Notes:	Returned to compliance on 01/23/2014. Inspection Sequence ID:4485960;Violation:HMD0226 Did not accumulate waste in container or tank. 66262.34(d)(2).
Violation Division:	San Diego County Department of Env Health
Violation Program:	HW
Violation Source:	CERS,
Site ID:	55226
Site Name:	PALOMAR COMMUNITY COLLEGE
Violation Date:	01-22-2014
Citation:	HSC 6.95 25505(b) - California Health and Safety Code, Chapter 6.95, Section(s) 25505(b)
Violation Description:	Failure to submit a revised business plan upon a substantial change in the handler's operations.
Violation Notes:	Returned to compliance on 01/23/2014. Inspection Sequence ID:4485960
Violation Division:	San Diego County Department of Env Health
Violation Program:	HMRRP
Violation Source:	CERS,
Site ID:	55226
Site Name:	PALOMAR COMMUNITY COLLEGE
Violation Date:	05-20-2016
Citation:	HSC 6.95 Multiple - California Health and Safety Code, Chapter 6.95, Section(s) Multiple
Violation Description:	Business Plan Program - Administration/Documentation - General

PALOMAR COMMUNITY COLLEGE (Continued) **1000334331**

Violation Notes:	Returned to compliance on 06/15/2016. Inspection Sequence ID:5451617;Violation:HMD1008 Annual carcinogen/reproductive toxin list not submitted. SDCC 68.1113(c)
Violation Division:	San Diego County Department of Env Health
Violation Program:	HMRRP
Violation Source:	CERS,
Site ID:	55226
Site Name:	PALOMAR COMMUNITY COLLEGE
Violation Date:	07-08-2015
Citation:	HSC 6.11 25404.1 - California Health and Safety Code, Chapter 6.11, Section(s) 25404.1
Violation Description:	Failure to obtain and/or maintain an active hazardous waste generator permit.
Violation Notes:	Returned to compliance on 08/06/2015. Inspection Sequence ID:5153771
Violation Division:	San Diego County Department of Env Health
Violation Program:	HW
Violation Source:	CERS,
Site ID:	55226
Site Name:	PALOMAR COMMUNITY COLLEGE
Violation Date:	05-20-2016
Citation:	40 CFR 1 265.173 - U.S. Code of Federal Regulations, Title 40, Chapter 1, Section(s) 265.173
Violation Description:	Failure to properly close hazardous waste containers when not in active use.
Violation Notes:	Returned to compliance on 05/20/2016. Inspection Sequence ID:5451617
Violation Division:	San Diego County Department of Env Health
Violation Program:	HW
Violation Source:	CERS,
Site ID:	55226
Site Name:	PALOMAR COMMUNITY COLLEGE
Violation Date:	07-08-2015
Citation:	HSC 6.95 Multiple - California Health and Safety Code, Chapter 6.95, Section(s) Multiple
Violation Description:	Business Plan Program - Administration/Documentation - General
Violation Notes:	Returned to compliance on 08/06/2015. Inspection Sequence ID:5153771;Violation:HMD1001 Unified Program Facility permit not obtained for hazardous materials. SDCC 68.905
Violation Division:	San Diego County Department of Env Health
Violation Program:	HMRRP
Violation Source:	CERS,
Site ID:	55226
Site Name:	PALOMAR COMMUNITY COLLEGE
Violation Date:	05-20-2016
Citation:	22 CCR 23 66273.34 - California Code of Regulations, Title 22, Chapter 23, Section(s) 66273.34
Violation Description:	Failure to properly label the following categories of universal waste as: 1) Each batteries or the container in which the batteries are contained as "Universal Waste-Battery(ies)". 2) Each mercury-containing equipment or the container in which the mercury-containing equipment is contained as "Universal Waste -Mercury-Containing Equipment". 3) Each Florescent lamp or the container or package in which the lamps are contained as "Universal Waste-Lamp(s)". 4) Each electronic devices or the container or pallet

PALOMAR COMMUNITY COLLEGE (Continued) **1000334331**

in or on which the electronic devices are contained as "Universal Waste-Electronic Device(s)". 5) Each CRTs or the container or pallet in or on which the CRTs are contained as "Universal Waste-CRT(s)". 6) A container of CRT glass shall be labeled or marked clearly with the following phrase: "Universal Waste-CRT glass". 7) In lieu of labeling individual electronic devices, CRTs, and/or containers of CRT glass pursuant to subsections d) through f) of this section, a universal waste handler may combine, package, and accumulate those universal wastes in appropriate containers or within a designated area demarcated by boundaries that are clearly labeled with the applicable portion(s) of the following phrase: "Universal Waste-Electronic Device(s)/Universal Waste - CRT(s)/Universal Waste-CRT Glass".

Violation Notes: Returned to compliance on 05/20/2016. Inspection Sequence ID:5451617
Violation Division: San Diego County Department of Env Health
Violation Program: HW
Violation Source: CERS,

Site ID: 55226
Site Name: PALOMAR COMMUNITY COLLEGE
Violation Date: 01-22-2014
Citation: 22 CCR 12 66262.34(f) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.34(f)
Violation Description: Failure to properly label hazardous waste accumulation containers with the following requirements: "Hazardous Waste", name and address of the generator, physical and chemical characteristics of the Hazardous Waste, and starting accumulation date.
Violation Notes: Returned to compliance on 01/23/2014. Inspection Sequence ID:4485960
Violation Division: San Diego County Department of Env Health
Violation Program: HW
Violation Source: CERS,

Site ID: 55226
Site Name: PALOMAR COMMUNITY COLLEGE
Violation Date: 01-22-2014
Citation: 49 CFR 1 172.201(e) - U.S. Code of Federal Regulations, Title 49, Chapter 1, Section(s) 172.201(e)
Violation Description: Failure of the universal waste handler to properly package, label, mark, placard, or prepare and retain shipping papers for all universal waste being shipped to another universal waste handler, destination facility, or foreign facility.
Violation Notes: Returned to compliance on 01/23/2014. Inspection Sequence ID:4485960
Violation Division: San Diego County Department of Env Health
Violation Program: HW
Violation Source: CERS,

Evaluation:
Eval General Type: Compliance Evaluation Inspection
Eval Date: 05-18-2018
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Inspector: Griffith Gary Inspection ID:5909624
Eval Division: San Diego County Department of Env Health
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-22-2014

PALOMAR COMMUNITY COLLEGE (Continued) **1000334331**

Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Inspector: North HN101 Inspection ID:4485960
Eval Division:	San Diego County Department of Env Health
Eval Program:	APSA
Eval Source:	CERS,
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	05-20-2016
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Inspector: Griffith Gary Inspection ID:5451617
Eval Division:	San Diego County Department of Env Health
Eval Program:	APSA
Eval Source:	CERS,
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	05-20-2016
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Inspector: Griffith Gary Inspection ID:5451617
Eval Division:	San Diego County Department of Env Health
Eval Program:	HMRRP
Eval Source:	CERS,
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	11-20-2020
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Inspector: Thai Darren Inspection ID:6444757
Eval Division:	San Diego County Department of Env Health
Eval Program:	HMRRP
Eval Source:	CERS,
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	01-22-2014
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Inspector: North HN101 Inspection ID:4485960
Eval Division:	San Diego County Department of Env Health
Eval Program:	HMRRP
Eval Source:	CERS,
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	05-18-2018
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Inspector: Griffith Gary Inspection ID:5909624
Eval Division:	San Diego County Department of Env Health
Eval Program:	APSA
Eval Source:	CERS,
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	07-08-2015
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Inspector: Chairs Michelle Inspection ID:5153771

PALOMAR COMMUNITY COLLEGE (Continued) **1000334331**

Eval Division:	San Diego County Department of Env Health
Eval Program:	HMRRP
Eval Source:	CERS,
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	07-08-2015
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Inspector: Chairs Michelle Inspection ID:5153771
Eval Division:	San Diego County Department of Env Health
Eval Program:	HW
Eval Source:	CERS,
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	01-22-2014
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Inspector: North HN101 Inspection ID:4485960
Eval Division:	San Diego County Department of Env Health
Eval Program:	HW
Eval Source:	CERS,
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	05-18-2018
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Inspector: Griffith Gary Inspection ID:5909624
Eval Division:	San Diego County Department of Env Health
Eval Program:	HW
Eval Source:	CERS,
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	05-20-2016
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Inspector: Griffith Gary Inspection ID:5451617
Eval Division:	San Diego County Department of Env Health
Eval Program:	HW
Eval Source:	CERS,
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	07-08-2015
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Inspector: Chairs Michelle Inspection ID:5153771
Eval Division:	San Diego County Department of Env Health
Eval Program:	APSA
Eval Source:	CERS,

Coordinates:

Site ID:	55226
Facility Name:	PALOMAR COMMUNITY COLLEGE
Env Int Type Code:	LUSTCS
Program ID:	T0607300263
Coord Name:	Not reported
Ref Point Type Desc:	Unknown,
Latitude:	33.147312

PALOMAR COMMUNITY COLLEGE (Continued) **1000334331**

Longitude: -117.185293

Affiliation:

Affiliation Type Desc: Document Preparer
Entity Name: Derrick Johnson
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Affiliation Type Desc: Identification Signer
Entity Name: Derrick Johnson
Entity Title: Environmental Health and Safety Super.
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Affiliation Type Desc: Legal Owner
Entity Name: PALOMAR COMMUNITY COLLEGE DISTR
Entity Title: Not reported
Affiliation Address: 1140 W MISSION RD
Affiliation City: SAN MARCOS
Affiliation State: CA
Affiliation Country: United States
Affiliation Zip: 92069
Affiliation Phone: (760) 744-1150,

Affiliation Type Desc: Property Owner
Entity Name: PALOMAR COMMUNITY COLLEGE DISTR
Entity Title: Not reported
Affiliation Address: 1140 W MISSION RD
Affiliation City: SAN MARCOS
Affiliation State: CA
Affiliation Country: United States
Affiliation Zip: 92069
Affiliation Phone: (760) 744-1150,

Affiliation Type Desc: Parent Corporation
Entity Name: PALOMAR COMMUNITY COLLEGE
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Affiliation Type Desc: CUPA District
Entity Name: San Diego County Env Health Qlty
Entity Title: Not reported
Affiliation Address: PO Box 129261

PALOMAR COMMUNITY COLLEGE (Continued) **1000334331**

Affiliation City:	San Diego
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92112-9261
Affiliation Phone:	(858) 505-6880,
Affiliation Type Desc:	Environmental Contact
Entity Name:	Derrick Johnson
Entity Title:	Not reported
Affiliation Address:	1140 W MISSION RD
Affiliation City:	SAN MARCOS
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92069
Affiliation Phone:	,
Affiliation Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	Not reported
Affiliation Address:	1140 W MISSION RD
Affiliation City:	SAN MARCOS
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92069-1415
Affiliation Phone:	,
Affiliation Type Desc:	Operator
Entity Name:	PALOMAR COMMUNITY COLLEGE
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	(760) 744-1150,

HWTS:

Name:	PALOMAR COMMUNITY COLLEGE
Address:	1140 W MISSION RD
Address 2:	Not reported
City,State,Zip:	SAN MARCOS, CA 92069
EPA ID:	CAL000257328
Inactive Date:	06/30/2005
Create Date:	08/09/2002
Last Act Date:	Not reported
Mailing Name:	Not reported
Mailing Address:	309 N RIOS AVE
Mailing Address 2:	Not reported
Mailing City,State,Zip:	SOLANA BEACH, CA 92075
Owner Name:	SOLANA BEACH SCHOOL DISTRICT
Owner Address:	309 N RIOS AVE
Owner Address 2:	Not reported
Owner City,State,Zip:	SOLANA BEACH, CA 92075
Contact Name:	CAROLINE BROWN
Contact Address:	309 N RIOS AVE
Contact Address 2:	Not reported

PALOMAR COMMUNITY COLLEGE (Continued) **1000334331**

City,State,Zip: SOLANA BEACH, CA 92075
Facility Status: Inactive
Facility Type: PERMANENT
Category: STATE
Latitude: 33.147062
Longitude: -117.184802

NAICS:
EPA ID: CAL000257328
Create Date: 2002-08-09 10:33:18.140
NAICS Code: 61111
NAICS Description: Elementary and Secondary Schools
Issued EPA ID Date: 2002-08-09 10:33:18.14000
Inactive Date: 2005-06-30 15:01:00
Facility Name: PALOMAR COMMUNITY COLLEGE
Facility Address: 1140 W MISSION RD
Facility Address 2: Not reported
Facility City: SAN MARCOS
Facility County: Not reported
Facility State: CA
Facility Zip: 92069

Name: PALOMAR COMMUNITY COLLEGE
Address: 1140 W MISSION RD
Address 2: Not reported
City,State,Zip: SAN MARCOS, CA 92069
EPA ID: CAD981583057
Inactive Date: Not reported
Create Date: 04/10/1987
Last Act Date: Not reported
Mailing Name: Not reported
Mailing Address: 1140 W MISSION RD
Mailing Address 2: Not reported
Mailing City,State,Zip: SAN MARCOS, CA 920691415
Owner Name: PALOMAR COMMUNITY COLLEGE
Owner Address: 1140 W MISSION RD
Owner Address 2: Not reported
Owner City,State,Zip: SAN MARCOS, CA 920691415
Contact Name: DERRICK JOHNSON/SUPERVISOR
Contact Address: 1140 W MISSION RD
Contact Address 2: Not reported
City,State,Zip: SAN MARCOS, CA 92069
Facility Status: Active
Facility Type: PERMANENT
Category: FEDERAL
Latitude: 33.138393
Longitude: -117.13338

NAICS:
EPA ID: CAD981583057
Create Date: 2002-03-14 16:36:26.000
NAICS Code: 61121
NAICS Description: Junior Colleges
Issued EPA ID Date: 1987-04-10 00:00:00
Inactive Date: Not reported
Facility Name: PALOMAR COMMUNITY COLLEGE
Facility Address: 1140 W MISSION RD

PALOMAR COMMUNITY COLLEGE (Continued) **1000334331**

Facility Address 2:	Not reported
Facility City:	SAN MARCOS
Facility County:	Not reported
Facility State:	CA
Facility Zip:	920690000

190
West
1/2-1
0.595 mi.
3143 ft.

Relative:
Higher

Actual:
547 ft.

MACDERMID PRINTING SOLUTIONS **RCRA-LQG** **1000344725**
260 SOUTH PACIFIC STREET **ENVIROSTOR** **CAD063237341**
SAN MARCOS, CA 92078 **LUST**
SWEEPS UST
HIST UST
Cortese
ENF
HIST CORTESE
WDS
CERS

RCRA Listings:

Date Form Received by Agency:	20160229
Handler Name:	MACDERMID PRINTING SOLUTIONS
Handler Address:	260 SOUTH PACIFIC STREET
Handler City,State,Zip:	SAN MARCOS, CA 92078
EPA ID:	CAD063237341
Contact Name:	RICHARD NAVE
Contact Address:	FREIGHT STREET
Contact City,State,Zip:	WATERBURY, CT 06702
Contact Telephone:	203-575-5747
Contact Fax:	Not reported
Contact Email:	RICHARD.NAVE@MACDERMID.COM
Contact Title:	CORPORATE DIRECTOR EH&S
EPA Region:	09
Land Type:	Private
Federal Waste Generator Description:	Large Quantity Generator
Non-Notifier:	Not reported
Biennial Report Cycle:	2015
Accessibility:	Not reported
Active Site Indicator:	Handler Activities
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	SOUTH PACIFIC STREET
Mailing City,State,Zip:	SAN MARCOS, CA 92078
Owner Name:	MACDERMID, INC.
Owner Type:	Private
Operator Name:	MACDERMID, INC.
Operator Type:	Private
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No

MACDERMID PRINTING SOLUTIONS (Continued) **1000344725**

Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	NN
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20161104
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	Not reported
Manifest Broker:	Not reported
Sub-Part P Indicator:	No

Biennial: List of Years
Year: 2015

Click Here for Biennial Reporting System Data:
Year: 2011

Click Here for Biennial Reporting System Data:

Hazardous Waste Summary:
Waste Code: D000
Waste Description: Not Defined

MACDERMID PRINTING SOLUTIONS (Continued) **1000344725**

Waste Code: D001
Waste Description: IGNITABLE WASTE

Waste Code: D002
Waste Description: CORROSIVE WASTE

Waste Code: D003
Waste Description: REACTIVE WASTE

Waste Code: D004
Waste Description: ARSENIC

Waste Code: D005
Waste Description: BARIUM

Waste Code: D007
Waste Description: CHROMIUM

Waste Code: D008
Waste Description: LEAD

Waste Code: D009
Waste Description: MERCURY

Waste Code: D010
Waste Description: SELENIUM

Waste Code: D011
Waste Description: SILVER

Waste Code: D022
Waste Description: CHLOROFORM

Waste Code: D036
Waste Description: NITROBENZENE

Waste Code: F002
Waste Description: THE FOLLOWING SPENT HALOGENATED SOLVENTS: TETRACHLOROETHYLENE, METHYLENE CHLORIDE, TRICHLOROETHYLENE, 1,1,1-TRICHLOROETHANE, CHLOROBENZENE, 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE, ORTHO-DICHLOROBENZENE, TRICHLOROFLUOROMETHANE, AND 1,1,2, TRICHLOROETHANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Waste Code: F003
Waste Description: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT

MACDERMID PRINTING SOLUTIONS (Continued) **1000344725**

MIXTURES.

Waste Code: F005
Waste Description: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Waste Code: F008
Waste Description: PLATING BATH RESIDUES FROM THE BOTTOM OF PLATING BATHS FROM ELECTROPLATING OPERATIONS IN WHICH CYANIDES ARE USED IN THE PROCESS.

Waste Code: P022
Waste Description: CARBON DISULFIDE

Waste Code: P105
Waste Description: SODIUM AZIDE

Waste Code: U002
Waste Description: 2-PROPANONE (I) (OR) ACETONE (I)

Waste Code: U008
Waste Description: 2-PROPENOIC ACID (I) (OR) ACRYLIC ACID (I)

Waste Code: U037
Waste Description: BENZENE, CHLORO- (OR) CHLOROBENZENE

Waste Code: U044
Waste Description: CHLOROFORM (OR) METHANE, TRICHLORO-

Waste Code: U052
Waste Description: CRESOL (CRESYLIC ACID) (OR) PHENOL, METHYL-

Waste Code: U080
Waste Description: METHANE, DICHLORO- (OR) METHYLENE CHLORIDE

Waste Code: U138
Waste Description: METHANE, IODO- (OR) METHYL IODIDE

Waste Code: U147
Waste Description: 2,5-FURANDIONE (OR) MALEIC ANHYDRIDE

Waste Code: U151
Waste Description: MERCURY

Waste Code: U154
Waste Description: METHANOL (I) (OR) METHYL ALCOHOL (I)

Waste Code: U162
Waste Description: 2-PROPENOIC ACID, 2-METHYL-, METHYL ESTER (I,T) (OR) METHYL METHACRYLATE (I,T)

Waste Code: U196
Waste Description: PYRIDINE

MACDERMID PRINTING SOLUTIONS (Continued) **1000344725**

Waste Code: U201
Waste Description: 1,3-BENZENEDIOL (OR) RESORCINOL

Waste Code: U209
Waste Description: 1,1,2,2-TETRACHLOROETHANE (OR) ETHANE, 1,1,2,2-TETRACHLORO-

Waste Code: U213
Waste Description: FURAN, TETRAHYDRO-(I) (OR) TETRAHYDROFURAN (I)

Waste Code: U227
Waste Description: 1,1,2-TRICHLOROETHANE (OR) ETHANE, 1,1,2-TRICHLORO-

Handler - Owner Operator:

Owner/Operator Indicator:	Operator
Owner/Operator Name: MACDERMID INC.	
Legal Status:	Private
Date Became Current:	19990201
Date Ended Current:	Not reported
Owner/Operator Address:	245 FREIGHT ST.
Owner/Operator City,State,Zip:	WATERBURY, CT 06702
Owner/Operator Telephone:	203-575-5700
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Owner
Owner/Operator Name: MACDERMID INC.	
Legal Status:	Private
Date Became Current:	19990201
Date Ended Current:	Not reported
Owner/Operator Address:	245 FREIGHT ST.
Owner/Operator City,State,Zip:	WATERBURY, CT 06702
Owner/Operator Telephone:	203-575-5700
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name: NOT REQUIRED	
Legal Status:	Private
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	NOT REQUIRED
Owner/Operator City,State,Zip:	NOT REQUIRED, ME 99999
Owner/Operator Telephone:	415-555-1212
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Owner
Owner/Operator Name: MACDERMID INC	
Legal Status:	Private
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	245 FREIGHT ST
Owner/Operator City,State,Zip:	WATERBURY, CT 06702
Owner/Operator Telephone:	203-575-5661

MACDERMID PRINTING SOLUTIONS (Continued) **1000344725**

Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator
Owner/Operator Name: MACDERMID, INC.
Legal Status: Private
Date Became Current: 19991201
Date Ended Current: Not reported
Owner/Operator Address: Not reported
Owner/Operator City,State,Zip: Not reported
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner
Owner/Operator Name: MACDERMID, INC.
Legal Status: Private
Date Became Current: 19991201
Date Ended Current: Not reported
Owner/Operator Address: 245 FREIGHT STREET
Owner/Operator City,State,Zip: WATERBURY, CT 06702
Owner/Operator Telephone: 203-575-5700
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:
Receive Date: 20120227
Handler Name: MACDERMID PRINTING SOLUTIONS
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20160229
Handler Name: MACDERMID PRINTING SOLUTIONS
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 19960901
Handler Name: MACDERMID PRINTING SOLUTIONS

MACDERMID PRINTING SOLUTIONS (Continued) **1000344725**

Federal Waste Generator Description:	Large Quantity Generator
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	No
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

Receive Date:	20020725
Handler Name:	MACDERMID PRINTING SOLUTIONS
Federal Waste Generator Description:	Small Quantity Generator
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	No
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

Receive Date:	19900409
Handler Name:	NAPP SYSTEMS USA INC
Federal Waste Generator Description:	Large Quantity Generator
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	No
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

Receive Date:	19920228
Handler Name:	NAPP SYSTEMS, INC
Federal Waste Generator Description:	Large Quantity Generator
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	No
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

Receive Date:	19960226
Handler Name:	NAPP SYSTEMS, INC.
Federal Waste Generator Description:	Large Quantity Generator
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No

MACDERMID PRINTING SOLUTIONS (Continued) **1000344725**

Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	No
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

Receive Date:	19990304
Handler Name: NAPP SYSTEMS INC	
Federal Waste Generator Description:	Large Quantity Generator
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	No
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

Receive Date:	20001012
Handler Name: NAPP SYSTEMS INC.	
Federal Waste Generator Description:	Large Quantity Generator
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	No
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

List of NAICS Codes and Descriptions:

NAICS Code:	323122
NAICS Description:	PREPRESS SERVICES
NAICS Code:	325992
NAICS Description:	PHOTOGRAPHIC FILM, PAPER, PLATE, CHEMICAL, AND COPY TONER MANUFACTURING
NAICS Code:	333293
NAICS Description:	PRINTING MACHINERY AND EQUIPMENT MANUFACTURING
NAICS Code:	33991
NAICS Description:	JEWELRY AND SILVERWARE MANUFACTURING
NAICS Code:	541712
NAICS Description:	RESEARCH AND DEVELOPMENT IN THE PHYSICAL, ENGINEERING, AND LIFE SCIENCES (EXCEPT BIOTECHNOLOGY)

Facility Has Received Notices of Violation:

Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	Generators - General
Date Violation was Determined:	19911217
Actual Return to Compliance Date:	19930223

MACDERMID PRINTING SOLUTIONS (Continued) **1000344725**

Return to Compliance Qualifier:	Unverifiable
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	Generators - General
Date Violation was Determined:	19901207
Actual Return to Compliance Date:	19911217
Return to Compliance Qualifier:	Unverifiable
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported

MACDERMID PRINTING SOLUTIONS (Continued) **1000344725**

Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: Generators - General
Date Violation was Determined: 19930223
Actual Return to Compliance Date: 19980223
Return to Compliance Qualifier: Not Resolved
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: Not reported
Date of Enforcement Action: Not reported
Enforcement Responsible Agency: Not reported
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: Not reported
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Evaluation Action Summary:
Evaluation Date: 19911217
Evaluation Responsible Agency: State Contractor/Grantee
Found Violation: Yes
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE

MACDERMID PRINTING SOLUTIONS (Continued) **1000344725**

Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19930223
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	19901207
Evaluation Responsible Agency:	State Contractor/Grantee
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19911217
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	19930223
Evaluation Responsible Agency:	State Contractor/Grantee
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19980223
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

ENVIROSTOR:

Name:	NAPP SYSTEMS, INC.
Address:	360 S. PACIFIC STREET
City,State,Zip:	SAN MARCOS, CA 92069
Facility ID:	71002510
Status:	Inactive - Needs Evaluation
Status Date:	Not reported
Site Code:	Not reported
Site Type:	Tiered Permit
Site Type Detailed:	Tiered Permit
Acres:	Not reported
NPL:	NO
Regulatory Agencies:	NONE SPECIFIED
Lead Agency:	NONE SPECIFIED
Program Manager:	Not reported
Supervisor:	Not reported
Division Branch:	Cleanup Cypress
Assembly:	75
Senate:	38
Special Program:	Not reported
Restricted Use:	NO

MACDERMID PRINTING SOLUTIONS (Continued) **1000344725**

Site Mgmt Req: NONE SPECIFIED
Funding: Not reported
Latitude: 33.13984
Longitude: -117.1983
APN: NONE SPECIFIED
Past Use: NONE SPECIFIED
Potential COC: NONE SPECIFIED
Confirmed COC: NONE SPECIFIED
Potential Description: NONE SPECIFIED
Alias Name: CAD063237341
Alias Type: EPA Identification Number
Alias Name: 71002510
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: Not reported
Completed Sub Area Name: Not reported
Completed Document Type: Not reported
Completed Date: Not reported
Comments: Not reported

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

LUST:
Name: NAPP SYSTEMS *
Address: 360 PACIFIC ST S
City,State,Zip: SAN MARCOS, CA 92069
Lead Agency: SAN DIEGO RWQCB (REGION 9)
Case Type: LUST Cleanup Site
Geo Track: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0607302457
Global Id: T0607302457
Latitude: 33.1398442
Longitude: -117.1983676
Status: Completed - Case Closed
Status Date: 02/29/1996
Case Worker: VRR
RB Case Number: 9UT369
Local Agency: Not reported
File Location: Not reported
Local Case Number: H06217-001
Potential Media Affect: Aquifer used for drinking water supply
Potential Contaminants of Concern: * Solvents
Site History: Not reported

LUST:
Global Id: T0607302457
Contact Type: Regional Board Caseworker
Contact Name: VICENTE R. RODRIGUEZ
Organization Name: SAN DIEGO RWQCB (REGION 9)
Address: 2375 NORTHSIDE DRIVE, SUITE 100

MACDERMID PRINTING SOLUTIONS (Continued) **1000344725**

City: SAN DIEGO
Email: vicente.rodriguez@waterboards.ca.gov
Phone Number: 6195213966

LUST:
Global Id: T0607302457
Action Type: Other
Date: 01/22/1985
Action: Leak Reported

Global Id: T0607302457
Action Type: Other
Date: 01/18/1985
Action: Leak Stopped

Global Id: T0607302457
Action Type: ENFORCEMENT
Date: 07/19/1985
Action: * Historical Enforcement

Global Id: T0607302457
Action Type: Other
Date: 01/22/1985
Action: Leak Discovery

LUST:
Global Id: T0607302457
Status: Open - Case Begin Date
Status Date: 01/18/1985

Global Id: T0607302457
Status: Open - Remediation
Status Date: 11/16/1987

Global Id: T0607302457
Status: Completed - Case Closed
Status Date: 02/29/1996

LUST REG 9:
Region: 9
Status: Case Closed
Case Number: 9UT369
Local Case: H06217-001
Substance: Solvents
Qty Leaked: Not reported
Abate Method: ETFP
Local Agency: San Diego
How Found: Other Means
How Stopped: Remove Contents
Source: Tank
Cause: Structure Failure
Lead Agency: Regional Board
Case Type: Aquifer affected
Date Found: 01/22/1985
Date Stopped: 01/18/1985

MACDERMID PRINTING SOLUTIONS (Continued) **1000344725**

Confirm Date: / /
Submit Workplan: Not reported
Prelim Assess: / /
Desc Pollution: Not reported
Remed Plan: / /
Remed Action: 11/16/87
Began Monitor: Not reported
Release Date: 01/22/1985
Enforce Date: 7/19/85
Closed Date: 2/29/96
Enforce Type: Cleanup and Abatement Orders
Pilot Program: UST
Basin Number: 904.52
GW Depth: 5'
Beneficial Use: Municipal groundwater use
NPDES Number: Not reported
Priority: 1A
File Dispn: Not reported
Interim Remedial Actions: Yes
Cleanup and Abatement order Number: 85-70
Waste Discharge Requirement Number: Not reported

SWEEPS UST:
Name: NAPP SYSTEMS INC
Address: 360 PACIFIC ST
City: SAN MARCOS
Status: Not reported
Comp Number: 6217
Number: Not reported
Board Of Equalization: 44-022350
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 37-000-006217-000001
Tank Status: Not reported
Capacity: 12000
Active Date: Not reported
Tank Use: M.V. FUEL
STG: PRODUCT
Content: OTHER
Number Of Tanks: 4

Name: NAPP SYSTEMS INC
Address: 360 PACIFIC ST
City: SAN MARCOS
Status: Not reported
Comp Number: 6217
Number: Not reported
Board Of Equalization: 44-022350
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 37-000-006217-000002
Tank Status: Not reported
Capacity: 30000

MACDERMID PRINTING SOLUTIONS (Continued) **1000344725**

Active Date: Not reported
Tank Use: M.V. FUEL
STG: PRODUCT
Content: OTHER
Number Of Tanks: Not reported

Name: NAPP SYSTEMS INC
Address: 360 PACIFIC ST
City: SAN MARCOS
Status: Not reported
Comp Number: 6217
Number: Not reported
Board Of Equalization: 44-022350
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 37-000-006217-000003
Tank Status: Not reported
Capacity: 12000
Active Date: Not reported
Tank Use: CHEMICAL
STG: WASTE
Content: Not reported
Number Of Tanks: Not reported

Name: NAPP SYSTEMS INC
Address: 360 PACIFIC ST
City: SAN MARCOS
Status: Not reported
Comp Number: 6217
Number: Not reported
Board Of Equalization: 44-022350
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 37-000-006217-000006
Tank Status: Not reported
Capacity: 1000
Active Date: Not reported
Tank Use: CHEMICAL
STG: WASTE
Content: Not reported
Number Of Tanks: Not reported

Name: NAPP SYSTEMS INC
Address: 360 PACIFIC ST
City: SAN MARCOS
Status: Active
Comp Number: 6217
Number: 9
Board Of Equalization: 44-022350
Referral Date: Not reported
Action Date: 06-26-92
Created Date: 02-29-88
Owner Tank Id: Not reported

MACDERMID PRINTING SOLUTIONS (Continued) **1000344725**

SWRCB Tank Id: 37-000-006217-000004
Tank Status: A
Capacity: 24000
Active Date: Not reported
Tank Use: CHEMICAL
STG: W
Content: Not reported
Number Of Tanks: 5

Name: NAPP SYSTEMS INC
Address: 360 PACIFIC ST
City: SAN MARCOS
Status: Active
Comp Number: 6217
Number: 9
Board Of Equalization: 44-022350
Referral Date: Not reported
Action Date: 06-26-92
Created Date: 02-29-88
Owner Tank Id: Not reported
SWRCB Tank Id: 37-000-006217-000005
Tank Status: A
Capacity: 1000
Active Date: Not reported
Tank Use: CHEMICAL
STG: P
Content: Not reported
Number Of Tanks: Not reported

Name: NAPP SYSTEMS INC
Address: 360 PACIFIC ST
City: SAN MARCOS
Status: Active
Comp Number: 6217
Number: 9
Board Of Equalization: 44-022350
Referral Date: Not reported
Action Date: 06-26-92
Created Date: 02-29-88
Owner Tank Id: Not reported
SWRCB Tank Id: 37-000-006217-000007
Tank Status: A
Capacity: 55
Active Date: Not reported
Tank Use: CHEMICAL
STG: W
Content: Not reported
Number Of Tanks: Not reported

Name: NAPP SYSTEMS INC
Address: 360 PACIFIC ST
City: SAN MARCOS
Status: Active
Comp Number: 6217
Number: 9
Board Of Equalization: 44-022350
Referral Date: Not reported

MACDERMID PRINTING SOLUTIONS (Continued) **1000344725**

Action Date: 06-26-92
Created Date: 02-29-88
Owner Tank Id: Not reported
SWRCB Tank Id: 37-000-006217-000008
Tank Status: A
Capacity: 2000
Active Date: Not reported
Tank Use: CHEMICAL
STG: W
Content: Not reported
Number Of Tanks: Not reported

Name: NAPP SYSTEMS INC
Address: 360 PACIFIC ST
City: SAN MARCOS
Status: Active
Comp Number: 6217
Number: 9
Board Of Equalization: 44-022350
Referral Date: Not reported
Action Date: 06-26-92
Created Date: 02-29-88
Owner Tank Id: Not reported
SWRCB Tank Id: 37-000-006217-000009
Tank Status: A
Capacity: 20000
Active Date: Not reported
Tank Use: M.V. FUEL
STG: P
Content: OTHER
Number Of Tanks: Not reported

HIST UST:
Name: NAPP SYSTEMS (USA) INC
Address: 360 S PACIFIC STREET
City,State,Zip: SAN MARCOS, CA 92069
File Number: 0002F087
URL: http://geotracker.waterboards.ca.gov/ustpdfs/pdf/0002F087.pdf
Region: STATE
Facility ID: 00000019396
Facility Type: Other
Other Type: MANUFACTURING
Contact Name: AUGUST FISCHER, PRES.
Telephone: 6197444387
Owner Name: NAPP SYSTEMS (USA), INC.
Owner Address: 360 S. PACIFIC STREET
Owner City,St,Zip: SAN MARCOS, CA 92069
Total Tanks: 0008

Tank Num: 001
Container Num: 001
Year Installed: 1973
Tank Capacity: 00012000
Tank Used for: PRODUCT
Type of Fuel: DIESEL
Container Construction Thickness: .240
Leak Detection: Stock Inventor

MACDERMID PRINTING SOLUTIONS (Continued) **1000344725**

Tank Num:	002
Container Num:	002
Year Installed:	1975
Tank Capacity:	00030000
Tank Used for:	PRODUCT
Type of Fuel:	DIESEL
Container Construction Thickness:	.36522
Leak Detection:	Stock Inventor

Tank Num:	003
Container Num:	003
Year Installed:	1973
Tank Capacity:	00012000
Tank Used for:	WASTE
Type of Fuel:	Not reported
Container Construction Thickness:	Not reported
Leak Detection:	None

Tank Num:	004
Container Num:	004
Year Installed:	1973
Tank Capacity:	00024000
Tank Used for:	WASTE
Type of Fuel:	Not reported
Container Construction Thickness:	1/4
Leak Detection:	None

Tank Num:	005
Container Num:	005
Year Installed:	1983
Tank Capacity:	00001000
Tank Used for:	Not reported
Type of Fuel:	Not reported
Container Construction Thickness:	3/16
Leak Detection:	None

Tank Num:	006
Container Num:	006
Year Installed:	1982
Tank Capacity:	00001000
Tank Used for:	WASTE
Type of Fuel:	Not reported
Container Construction Thickness:	3/16
Leak Detection:	None

Tank Num:	007
Container Num:	007
Year Installed:	1973
Tank Capacity:	00000055
Tank Used for:	WASTE
Type of Fuel:	Not reported
Container Construction Thickness:	4
Leak Detection:	Visual

Tank Num:	008
Container Num:	008
Year Installed:	Not reported

MACDERMID PRINTING SOLUTIONS (Continued) **1000344725**

Tank Capacity:	00002000
Tank Used for:	WASTE
Type of Fuel:	Not reported
Container Construction Thickness:	8
Leak Detection:	None

Click here for Geo Tracker PDF:

CORTESE:

Name:	NAPP SYSTEMS *
Address:	360 PACIFIC ST S
City,State,Zip:	SAN MARCOS, CA 92069
Region:	CORTESE
Envirostor Id:	Not reported
Global ID:	T0607302457
Site/Facility Type:	LUST CLEANUP SITE
Cleanup Status:	COMPLETED - CASE CLOSED
Status Date:	Not reported
Site Code:	Not reported
Latitude:	Not reported
Longitude:	Not reported
Owner:	Not reported
Enf Type:	Not reported
Swat R:	Not reported
Flag:	active
Order No:	Not reported
Waste Discharge System No:	Not reported
Effective Date:	Not reported
Region 2:	Not reported
WID Id:	Not reported
Solid Waste Id No:	Not reported
Waste Management Uit Name:	Not reported
File Name:	Active Open

ENF:

Name:	NAPP SYSTEMS
Address:	360 PACIFIC AVE S
City,State,Zip:	SAN MARCOS, CA
Region:	9
Facility Id:	243864
Agency Name:	Napp Systems
Place Type:	Facility
Place Subtype:	Not reported
Facility Type:	All other facilities
Agency Type:	Privately-Owned Business
# Of Agencies:	1
Place Latitude:	Not reported
Place Longitude:	Not reported
SIC Code 1:	5111
SIC Desc 1:	Printing and Writing Paper
SIC Code 2:	Not reported
SIC Desc 2:	Not reported
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	Not reported
NAICS Desc 1:	Not reported

MACDERMID PRINTING SOLUTIONS (Continued) **1000344725**

NAICS Code 2:	Not reported
NAICS Desc 2:	Not reported
NAICS Code 3:	Not reported
NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Reg Meas
Design Flow:	Not reported
Threat To Water Quality:	Not reported
Complexity:	Not reported
Pretreatment:	Not reported
Facility Waste Type:	Not reported
Facility Waste Type 2:	Not reported
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	Not reported
Program Category1:	Not reported
Program Category2:	UNREGS
# Of Programs:	Not reported
WDID:	9 000211N87
Reg Measure Id:	160984
Reg Measure Type:	Unregulated
Region:	9
Order #:	Not reported
Npdes# CA#:	Not reported
Major-Minor:	Not reported
Npdes Type:	Not reported
Reclamation:	Not reported
Dredge Fill Fee:	Not reported
301H:	Not reported
Application Fee Amt Received:	Not reported
Status:	Historical
Status Date:	06/17/2005
Effective Date:	Not reported
Expiration/Review Date:	Not reported
Termination Date:	Not reported
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	N
Individual/General:	Not reported
Fee Code:	Not reported
Direction/Voice:	Passive
Enforcement Id(EID):	220633
Region:	9
Order / Resolution Number:	LT851202
Enforcement Action Type:	Clean-up and Abatement Order
Effective Date:	12/02/1985
Adoption/Issuance Date:	Not reported
Achieve Date:	Not reported
Termination Date:	Not reported
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Historical
Title:	Enforcement - 9 000211N87

MACDERMID PRINTING SOLUTIONS (Continued) **1000344725**

Description:	UNKNOWN
Program:	ENFCAO
Latest Milestone Completion Date:	Not reported
# Of Programs1:	1
Total Assessment Amount:	0
Initial Assessed Amount:	0
Liability $ Amount:	0
Project $ Amount:	0
Liability $ Paid:	0
Project $ Completed:	0
Total $ Paid/Completed Amount:	0

Name:	NAPP SYSTEMS
Address:	360 PACIFIC AVE S
City,State,Zip:	SAN MARCOS, CA
Region:	9
Facility Id:	243864
Agency Name:	Napp Systems
Place Type:	Facility
Place Subtype:	Not reported
Facility Type:	All other facilities
Agency Type:	Privately-Owned Business
# Of Agencies:	1
Place Latitude:	Not reported
Place Longitude:	Not reported
SIC Code 1:	5111
SIC Desc 1:	Printing and Writing Paper
SIC Code 2:	Not reported
SIC Desc 2:	Not reported
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	Not reported
NAICS Desc 1:	Not reported
NAICS Code 2:	Not reported
NAICS Desc 2:	Not reported
NAICS Code 3:	Not reported
NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Reg Meas
Design Flow:	Not reported
Threat To Water Quality:	Not reported
Complexity:	Not reported
Pretreatment:	Not reported
Facility Waste Type:	Not reported
Facility Waste Type 2:	Not reported
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	Not reported
Program Category1:	Not reported
Program Category2:	UNREGS
# Of Programs:	Not reported
WDID:	9 000211N87
Reg Measure Id:	160984
Reg Measure Type:	Unregulated
Region:	9
Order #:	Not reported
Npdes# CA#:	Not reported

MACDERMID PRINTING SOLUTIONS (Continued) **1000344725**

Major-Minor:	Not reported
Npdes Type:	Not reported
Reclamation:	Not reported
Dredge Fill Fee:	Not reported
301H:	Not reported
Application Fee Amt Received:	Not reported
Status:	Historical
Status Date:	06/17/2005
Effective Date:	Not reported
Expiration/Review Date:	Not reported
Termination Date:	Not reported
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	N
Individual/General:	Not reported
Fee Code:	Not reported
Direction/Voice:	Passive
Enforcement Id(EID):	220632
Region:	9
Order / Resolution Number:	96-023
Enforcement Action Type:	Clean-up and Abatement Order
Effective Date:	03/14/1996
Adoption/Issuance Date:	Not reported
Achieve Date:	Not reported
Termination Date:	Not reported
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Historical
Title:	Enforcement - 9 000211N87
Description:	UNKNOWN
Program:	ENFCAO
Latest Milestone Completion Date:	Not reported
# Of Programs1:	1
Total Assessment Amount:	0
Initial Assessed Amount:	0
Liability $ Amount:	0
Project $ Amount:	0
Liability $ Paid:	0
Project $ Completed:	0
Total $ Paid/Completed Amount:	0

HIST CORTESE:

edr_fname:	NAPP SYSTEMS
edr_fadd1:	360 PACIFIC
City,State,Zip:	SAN MARCOS, CA 92069
Region:	CORTESE
Facility County Code:	37
Reg By:	LTNKA
Reg Id:	9UT369

WDS:

Name:	MACDERMID PRINTING SOLUTIONS

MACDERMID PRINTING SOLUTIONS (Continued) **1000344725**

Address:	260 S Pacific St
City:	SAN MARCOS
Facility ID:	San Diego 37I017442
Facility Type:	Industrial - Facility that treats and/or disposes of liquid or semisolid wastes from any servicing, producing, manufacturing or processing operation of whatever nature, including mining, gravel washing, geothermal operations, air conditioning, ship building and repairing, oil production, storage and disposal operations, water pumping.
Facility Status:	Active - Any facility with a continuous or seasonal discharge that is under Waste Discharge Requirements.
NPDES Number:	CAS000001 The 1st 2 characters designate the state. The remaining 7 are assigned by the Regional Board
Subregion:	9
Facility Telephone:	7605106136
Facility Contact:	BEAS RICARDO
Agency Name:	MACDERMID PRINTING SOLUTIONS
Agency Address:	260 S Pacific St
Agency City,St,Zip:	San Marcos 920692430
Agency Contact:	BEAS RICARDO
Agency Telephone:	7605106136
Agency Type:	Private
SIC Code:	0
SIC Code 2:	Not reported
Primary Waste Type:	Not reported
Primary Waste:	Not reported
Waste Type2:	Not reported
Waste2:	Not reported
Primary Waste Type:	Not reported
Secondary Waste:	Not reported
Secondary Waste Type:	Not reported
Design Flow:	0
Baseline Flow:	0
Reclamation:	Not reported
POTW:	Not reported
Treat To Water:	Minor Threat to Water Quality. A violation of a regional board order should cause a relatively minor impairment of beneficial uses compared to a major or minor threat. Not: All nurds without a TTWQ will be considered a minor threat to water quality unless coded at a higher Level. A Zero (0) may be used to code those NURDS that are found to represent no threat to water quality.
Complexity:	Category C - Facilities having no waste treatment systems, such as cooling water dischargers or thosewho must comply through best management practices, facilities with passive waste treatment and disposal systems, such as septic systems with subsurface disposal, or dischargers having waste storage systems with land disposal such as dairy waste ponds.

CERS:

Name:	NAPP SYSTEMS *
Address:	360 PACIFIC ST S
City,State,Zip:	SAN MARCOS, CA 92069
Site ID:	240786
CERS ID:	T0607302457
CERS Description:	Leaking Underground Storage Tank Cleanup Site

Affiliation:

MACDERMID PRINTING SOLUTIONS (Continued) **1000344725**

Affiliation Type Desc:	Regional Board Caseworker
Entity Name:	VICENTE R. RODRIGUEZ - SAN DIEGO RWQCB (REGION 9)
Entity Title:	Not reported
Affiliation Address:	2375 NORTHSIDE DRIVE, SUITE 100
Affiliation City:	SAN DIEGO
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	6195213966,

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191 ENE 1/2-1 0.713 mi. 3767 ft. **SAN MARCOS UNIFIED SD-PROPOSED SCHOOL SITE** **ENVIROSTOR SCH** **S121475159 N/A**
SOUTHWEST CORNER OF WEST MISSION AND KNOLL ROADS
SAN MARCOS, CA 92069

Relative: Higher

Actual: 586 ft.

ENVIROSTOR:

Name:	SAN MARCOS UNIFIED SD-PROPOSED SCHOOL SITE
Address:	SOUTHWEST CORNER OF WEST MISSION AND KNOLL ROADS
City,State,Zip:	SAN MARCOS, CA 92069
Facility ID:	60002596
Status:	No Further Action
Status Date:	04/25/2018
Site Code:	404946
Site Type:	School Investigation
Site Type Detailed:	School
Acres:	34
NPL:	NO
Regulatory Agencies:	SMBRP
Lead Agency:	SMBRP
Program Manager:	Not reported
Supervisor:	Shahir Haddad
Division Branch:	Southern California Schools & Brownfields Outreach
Assembly:	, 75
Senate:	, 38
Special Program:	Not reported
Restricted Use:	NO
Site Mgmt Req:	NONE SPECIFIED
Funding:	School District
Latitude:	33.14476
Longitude:	-117.1746
APN:	220-022-06
Past Use:	NONE
Potential COC:	NONE SPECIFIED No Contaminants found
Confirmed COC:	No Contaminants found
Potential Description:	NMA
Alias Name:	220-022-06
Alias Type:	APN
Alias Name:	404946
Alias Type:	Project Code (Site Code)
Alias Name:	60002596
Alias Type:	Envirostor ID Number

Completed Info:

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Environmental Oversight Agreement

SAN MARCOS UNIFIED SD-PROPOSED SCHOOL SITE (Continued) **S121475159**

Completed Date:	01/25/2018
Comments:	An original fully executed EOA sent to District.
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Annual Oversight Cost Estimate
Completed Date:	01/18/2018
Comments:	FY 17/18 Cost Estimate included in the fully executed EOA; see EOA.
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Environmental Oversight Agreement Application
Completed Date:	01/08/2018
Comments:	District submitted EOP Application, Phase I ESA and Ltd Soil Sampling & Analysis Report. A $1500 check was included with the application. District was contacted and thru its consultant, Dave Brown-Tetra Tech, $1500 is to be used towards the EOA advance payment.
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Preliminary Endangerment Assessment Report
Completed Date:	04/20/2018
Comments:	DTSC approved the PEA with a No Further Action determination
Future Area Name:	Not reported
Future Sub Area Name:	Not reported
Future Document Type:	Not reported
Future Due Date:	Not reported
Schedule Area Name:	Not reported
Schedule Sub Area Name:	Not reported
Schedule Document Type:	Not reported
Schedule Due Date:	Not reported
Schedule Revised Date:	Not reported

SCH:

Name:	SAN MARCOS UNIFIED SD-PROPOSED SCHOOL SITE
Address:	SOUTHWEST CORNER OF WEST MISSION AND KNOLL ROADS
City,State,Zip:	SAN MARCOS, CA 92069
Facility ID:	60002596
Site Type:	School Investigation
Site Type Detail:	School
Site Mgmt. Req.:	NONE SPECIFIED
Acres:	34
National Priorities List:	NO
Cleanup Oversight Agencies:	SMBRP
Lead Agency:	SMBRP
Lead Agency Description:	DTSC - Site Cleanup Program
Project Manager:	Not reported
Supervisor:	Shahir Haddad
Division Branch:	Southern California Schools & Brownfields Outreach
Site Code:	404946
Assembly:	, 75
Senate:	, 38
Special Program Status:	Not reported
Status:	No Further Action
Status Date:	04/25/2018

SAN MARCOS UNIFIED SD-PROPOSED SCHOOL SITE (Continued) **S121475159**

Restricted Use:	NO
Funding:	School District
Latitude:	33.14476
Longitude:	-117.1746
APN:	220-022-06
Past Use:	NONE
Potential COC:	NONE SPECIFIED, No Contaminants found
Confirmed COC:	No Contaminants found
Potential Description:	NMA
Alias Name:	220-022-06
Alias Type:	APN
Alias Name:	404946
Alias Type:	Project Code (Site Code)
Alias Name:	60002596
Alias Type:	Envirostor ID Number

Completed Info:

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Environmental Oversight Agreement
Completed Date:	01/25/2018
Comments:	An original fully executed EOA sent to District.

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Annual Oversight Cost Estimate
Completed Date:	01/18/2018
Comments:	FY 17/18 Cost Estimate included in the fully executed EOA; see EOA.

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Environmental Oversight Agreement Application
Completed Date:	01/08/2018
Comments:	District submitted EOP Application, Phase I ESA and Ltd Soil Sampling & Analysis Report. A $1500 check was included with the application. District was contacted and thru its consultant, Dave Brown-Tetra Tech, $1500 is to be used towards the EOA advance payment.

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Preliminary Endangerment Assessment Report
Completed Date:	04/20/2018
Comments:	DTSC approved the PEA with a No Further Action determination

Future Area Name:	Not reported
Future Sub Area Name:	Not reported
Future Document Type:	Not reported
Future Due Date:	Not reported
Schedule Area Name:	Not reported
Schedule Sub Area Name:	Not reported
Schedule Document Type:	Not reported
Schedule Due Date:	Not reported
Schedule Revised Date:	Not reported

192
WSW
1/2-1
0.759 mi.
4009 ft.

Relative:
Lower

Actual:
521 ft.

HUGHES CIRCUITS INC
540 S PACIFIC ST
SAN MARCOS, CA 92078

Database(s): RCRA-SQG, ENVIROSTOR, San Diego Co. HMMD, CERS HAZ WASTE, FINDS, ECHO, HAZNET, NPDES, CERS, HWTS

EDR ID Number: 1007200409
EPA ID Number: CAL000197060

RCRA Listings:

Date Form Received by Agency:		20020305
Handler Name:	HUGHES CIRCUITS INC	
Handler Address:		540 S PACIFIC ST
Handler City,State,Zip:		SAN MARCOS, CA 92069
EPA ID:		CAL000197060
Contact Name:		JEFF HUGHES
Contact Address:		Not reported
Contact City,State,Zip:		Not reported
Contact Telephone:		760-744-0300 xM
Contact Fax:		Not reported
Contact Email:		Not reported
Contact Title:		Not reported
EPA Region:		09
Land Type:		Not reported
Federal Waste Generator Description:		Small Quantity Generator
Non-Notifier:		Not reported
Biennial Report Cycle:		Not reported
Accessibility:		Not reported
Active Site Indicator:		Handler Activities
State District Owner:		Not reported
State District:		Not reported
Mailing Address:		540 S PACIFIC ST
Mailing City,State,Zip:		SAN MARCOS, CA 92069
Owner Name:	Not reported	
Owner Type:		Not reported
Operator Name:	Not reported	
Operator Type:		Not reported
Short-Term Generator Activity:		No
Importer Activity:		No
Mixed Waste Generator:		No
Transporter Activity:		No
Transfer Facility Activity:		No
Recycler Activity with Storage:		No
Small Quantity On-Site Burner Exemption:		No
Smelting Melting and Refining Furnace Exemption:		No
Underground Injection Control:		No
Off-Site Waste Receipt:		No
Universal Waste Indicator:		No
Universal Waste Destination Facility:		No
Federal Universal Waste:		No
Active Site Fed-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site Converter Treatment storage and Disposal Facility:		Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site State-Reg Handler:		---
Federal Facility Indicator:		Not reported
Hazardous Secondary Material Indicator:		N
Sub-Part K Indicator:		Not reported

HUGHES CIRCUITS INC (Continued) **1007200409**

Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20060905
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Biennial: List of Years

Year: 2001

Click Here for Biennial Reporting System Data:

Historic Generators:

Receive Date:	20020305
Handler Name: HUGHES CIRCUITS INC	
Federal Waste Generator Description:	Small Quantity Generator
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

Receive Date: 20020305

HUGHES CIRCUITS INC (Continued) **1007200409**

Handler Name: HUGHES CIRCUITS INC
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Code: 334412
NAICS Description: BARE PRINTED CIRCUIT BOARD MANUFACTURING

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

ENVIROSTOR:
Name: HUGHES CIRCUITS, INC.
Address: 540 S. PACIFIC
City,State,Zip: SAN MARCOS, CA 92069
Facility ID: 71003390
Status: Inactive - Needs Evaluation
Status Date: Not reported
Site Code: Not reported
Site Type: Tiered Permit
Site Type Detailed: Tiered Permit
Acres: Not reported
NPL: NO
Regulatory Agencies: NONE SPECIFIED
Lead Agency: NONE SPECIFIED
Program Manager: Not reported
Supervisor: Not reported
Division Branch: Cleanup Cypress
Assembly: 75
Senate: 38
Special Program: Not reported
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: Not reported
Latitude: 33.13562
Longitude: -117.2002
APN: NONE SPECIFIED
Past Use: NONE SPECIFIED
Potential COC: NONE SPECIFIED
Confirmed COC: NONE SPECIFIED
Potential Description: NONE SPECIFIED
Alias Name: CAL000197060
Alias Type: EPA Identification Number

HUGHES CIRCUITS INC (Continued) **1007200409**

Alias Name: 110012222264
Alias Type: EPA (FRS #)
Alias Name: 71003390
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Phase 1 Non-Submittal
Completed Date: 03/22/2001
Comments: Not reported

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

HMMD SAN DIEGO:
Name: HUGHES CIRCUITS INC
Address: 540 S PACIFIC ST
City,State,Zip: SAN MARCOS, CA 92069
Permit Number: Not reported
Business Type: Not reported
EPA Id Number: CAR000113274
APN: Not reported
Last HMMD Inspection: Not reported
Facility Telephone: (760)744-0300
Permit Status: Permit Renewed
Permit Expiration: Not reported
Date Last Updated: 12/24/2021
Facility Owner: Not reported
Facility Mailing Address: 540 S Pacific St, San Marcos, CA 92078
Facility Mailing City: Not reported
Facility Mailing State: Not reported
Facility Mailing Zip: Not reported
UST Owner: N
Handle Regulated Hazmat: Not reported
Own Or Operate UST: Not reported
Subject To APSA: Not reported
Generate Haz Waste: Y
Treat Haz Waste: Y
Generate Medical Waste: Not reported

Inspection Violation:
Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Facility Id Number: 37-000-124147
Program Element: Hazardous Waste Treatment
Inspection Type: Re-inspection
Inspection Number: 6768168
Return To Compliance Date: Not reported
Nov: Not reported

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Violation Classification:	Not reported
Underground Storage Tank Id:	Not reported
Container/Tank Id:	FTU1
Last Update:	2021-12-24T13:06:06.000
Inspection Date:	2021-07-12T00:00:00.000
Violation Code:	3230087 Written waste analysis plan does not exist or is inadequate in specifying parameters of analysis, testing methods, frequency of sampling and analysis, and sampling methods used to obtain representative samples. 22 CCR 66265.13(b) & 67450.3(c)(9)(A) & (c)(8)
Record ID:	DEH2002-HUPFP-124147
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-124147
Program Element:	Hazardous Materials Release Response Plans
Inspection Type:	Routine
Inspection Number:	4086966
Return To Compliance Date:	2016-10-03T00:00:00.000
Nov:	No
Violation Classification:	Class II
Underground Storage Tank Id:	Not reported
Container/Tank Id:	Not reported
Last Update:	2021-12-24T13:06:06.000
Inspection Date:	2016-07-19T11:13:00.000
Violation Code:	1010004 Chemical inventory incomplete or not submitted in CERS. HSC 25505(a)(1); 25506; 25507; and 25508(a)(1)(A)
Record ID:	DEH2002-HUPFP-124147
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-124147
Program Element:	Hazardous Waste Generator
Inspection Type:	Routine
Inspection Number:	4086966
Return To Compliance Date:	2016-10-03T00:00:00.000
Nov:	No
Violation Classification:	Class II
Underground Storage Tank Id:	Not reported
Container/Tank Id:	Not reported
Last Update:	2021-12-24T13:06:06.000
Inspection Date:	2016-07-19T11:13:00.000
Violation Code:	HMD0402 Employee training program not adequate. 22 CCR 66265.16(a) and/or (b)
Record ID:	DEH2002-HUPFP-124147
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-124147
Program Element:	Hazardous Waste Treatment
Inspection Type:	Routine
Inspection Number:	4108584
Return To Compliance Date:	Not reported
Nov:	Not reported
Violation Classification:	Not reported
Underground Storage Tank Id:	Not reported
Container/Tank Id:	00
Last Update:	2021-12-24T13:06:06.000

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Inspection Date:	2014-02-12T16:13:00.000
Violation Code:	HMD1710 Site map/plot plan does not adequately show the location of all regulated treatment units. All FTUs: Title 19 CCR section 2729.2(a)(3) & {CE: 25201.5(d)(7); CA: 25200.3(e); PBR: 67450.2(b)(3)(B)}
Record ID:	DEH2002-HUPFP-124147
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-124147
Program Element:	Hazardous Waste Treatment
Inspection Type:	Routine
Inspection Number:	4086966
Return To Compliance Date:	Not reported
Nov:	Not reported
Violation Classification:	Not reported
Underground Storage Tank Id:	Not reported
Container/Tank Id:	1
Last Update:	2021-12-24T13:06:06.000
Inspection Date:	2016-07-19T11:13:00.000
Violation Code:	HMD1756 Written waste analysis plan does not exist or is inadequate in specifying parameters of analysis, testing methods, frequency of sampling and analysis, and sampling methods used to obtain representative samples. 22 CCR 66265.13(b) & 67450.3(c)(9)(A)
Record ID:	DEH2002-HUPFP-124147
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-124147
Program Element:	Hazardous Waste Generator
Inspection Type:	Routine
Inspection Number:	5951811
Return To Compliance Date:	2018-08-22T00:00:00.000
Nov:	No
Violation Classification:	Class II
Underground Storage Tank Id:	Not reported
Container/Tank Id:	Not reported
Last Update:	2021-12-24T13:06:06.000
Inspection Date:	2018-08-22T14:01:53.000
Violation Code:	3030058 Failed to mark date on empty container larger than 5 gallons &/or manage it within one year. 22 CCR 66261.7(f)
Record ID:	DEH2002-HUPFP-124147
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-124147
Program Element:	Hazardous Waste Generator
Inspection Type:	Routine
Inspection Number:	4108584
Return To Compliance Date:	2014-04-28T00:00:00.000
Nov:	No
Violation Classification:	Class II
Underground Storage Tank Id:	Not reported
Container/Tank Id:	Not reported
Last Update:	2021-12-24T13:06:06.000
Inspection Date:	2014-02-12T16:13:00.000
Violation Code:	3010026 Failure of the new hazardous waste tank assessment to include

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all of the following information: 22 CCR 15 66265.192(k).

Record ID:	DEH2002-HUPFP-124147
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-124147
Program Element:	Hazardous Waste Generator
Inspection Type:	Routine
Inspection Number:	4086966
Return To Compliance Date:	2016-07-22T00:00:00.000
Nov:	No
Violation Classification:	Minor
Underground Storage Tank Id:	Not reported
Container/Tank Id:	Not reported
Last Update:	2021-12-24T13:06:06.000
Inspection Date:	2016-07-19T11:13:00.000
Violation Code:	3130007 Failed to keep a hazardous waste container closed. 22 CCR 66265.173(a)

Record ID:	DEH2002-HUPFP-124147
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-124147
Program Element:	Hazardous Materials Release Response Plans
Inspection Type:	Routine
Inspection Number:	4108584
Return To Compliance Date:	2014-05-20T00:00:00.000
Nov:	No
Violation Classification:	Class II
Underground Storage Tank Id:	Not reported
Container/Tank Id:	Not reported
Last Update:	2021-12-24T13:06:06.000
Inspection Date:	2014-02-12T16:13:00.000
Violation Code:	1010007 Failure to submit a revised business plan upon a substantial change in the handler's operations; HSC 6.95 25505(b).

Record ID:	DEH2002-HUPFP-124147
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-124147
Program Element:	Hazardous Waste Generator
Inspection Type:	Routine
Inspection Number:	4108584
Return To Compliance Date:	2014-04-28T00:00:00.000
Nov:	No
Violation Classification:	Class II
Underground Storage Tank Id:	Not reported
Container/Tank Id:	Not reported
Last Update:	2021-12-24T13:06:06.000
Inspection Date:	2014-02-12T16:13:00.000
Violation Code:	3030041 Failure of the LQG and/or TP generator, on all new and existing hazardous waste tank systems and ancillary equipment, to meet the following secondary containment requirements: 22 CCR 15 66265.193.

Record ID:	DEH2002-HUPFP-124147
Permit Status:	Permit Renewed
Active Permit:	Y

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Facility Id Number:	37-000-124147
Program Element:	Hazardous Waste Generator
Inspection Type:	Routine
Inspection Number:	4108584
Return To Compliance Date:	2014-04-15T00:00:00.000
Nov:	No
Violation Classification:	Class II
Underground Storage Tank Id:	Not reported
Container/Tank Id:	Not reported
Last Update:	2021-12-24T13:06:06.000
Inspection Date:	2014-02-12T16:13:00.000
Violation Code:	3130003 RCRA: Failure to properly label hazardous waste accumulation containers with the following requirements: "Hazardous Waste", name and address of the generator, physical and chemical characteristics of the Hazardous Waste, and starting accumulation date.; 22 CCR 12 66262.34(f).
Record ID:	DEH2002-HUPFP-124147
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-124147
Program Element:	Hazardous Waste Generator
Inspection Type:	Routine
Inspection Number:	4086966
Return To Compliance Date:	2016-07-20T00:00:00.000
Nov:	No
Violation Classification:	Class II
Underground Storage Tank Id:	Not reported
Container/Tank Id:	Not reported
Last Update:	2021-12-24T13:06:06.000
Inspection Date:	2016-07-19T11:13:00.000
Violation Code:	3130003 Failed to properly label/date hazardous waste container or tank. 22 CCR 66262.34(f), 66262.34(a)(2), 66262.34(a)(3)
Record ID:	DEH2002-HUPFP-124147
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-124147
Program Element:	Hazardous Waste Generator
Inspection Type:	Routine
Inspection Number:	4086966
Return To Compliance Date:	2016-10-03T00:00:00.000
Nov:	No
Violation Classification:	Minor
Underground Storage Tank Id:	Not reported
Container/Tank Id:	Not reported
Last Update:	2021-12-24T13:06:06.000
Inspection Date:	2016-07-19T11:13:00.000
Violation Code:	3130004 Accumulated hazardous waste more than 90 days without a DTSC storage permit. HSC 25201(a); 22 CCR 66262.34(a) and (c)
Record ID:	DEH2002-HUPFP-124147
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-124147
Program Element:	Hazardous Waste Treatment
Inspection Type:	Routine

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Inspection Number:	4108584
Return To Compliance Date:	Not reported
Nov:	Not reported
Violation Classification:	Not reported
Underground Storage Tank Id:	Not reported
Container/Tank Id:	00
Last Update:	2021-12-24T13:06:06.000
Inspection Date:	2014-02-12T16:13:00.000
Violation Code:	3210002 Failure of the owner or operator of a FTU that treats hazardous waste to submit, in person or by certified mail with return receipt requested, the Onsite Hazardous Waste Treatment Notification-Facility page, the Business Activities Page, and the Business Owner/Operator Page of the Unified Program Consolidated Form (x/99)), an alternative version or a computer generated facsimile to the CUPA or authorized agency before sixty (60) days prior to beginning the first treatment of waste pursuant to a permit-by-rule. 22 CCR 45 67450.2(b)(2).
Record ID:	DEH2002-HUPFP-124147
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-124147
Program Element:	Hazardous Waste Treatment
Inspection Type:	Routine
Inspection Number:	4086966
Return To Compliance Date:	Not reported
Nov:	Not reported
Violation Classification:	Not reported
Underground Storage Tank Id:	Not reported
Container/Tank Id:	1
Last Update:	2021-12-24T13:06:06.000
Inspection Date:	2016-07-19T11:13:00.000
Violation Code:	HMD1757 Facility does not have an satisfactory written closure plan (plan must specify how & when each unit will be closed, sampling information when applicable, equipment decontamination steps & procedures, expected year of closure, and estimated time required to close each unit). 22 CCR 67450.3(c)(11)
Record ID:	DEH2002-HUPFP-124147
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-124147
Program Element:	Hazardous Waste Treatment
Inspection Type:	Routine
Inspection Number:	4086966
Return To Compliance Date:	Not reported
Nov:	Not reported
Violation Classification:	Not reported
Underground Storage Tank Id:	Not reported
Container/Tank Id:	1
Last Update:	2021-12-24T13:06:06.000
Inspection Date:	2016-07-19T11:13:00.000
Violation Code:	HMD1716 Inadequate or no written operating instructions for unit (how to do waste treatment, and how to manage residuals; AND records of the dates, volumes, and types of wastes treated). Records must be kept 3 years for CE; 5 years for CA; or until closure-PBR unit. CE: HSC 25201.5(d)(3)&(5); CEL: HSC 25201.14(c)(1); CA: HSC 25200.3(c)(6) &

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(7); PBR: 22 CCR 67450.3(c)(9)(D), 66265.73(a) & (b)(1)

Record ID:	DEH2002-HUPFP-124147
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-124147
Program Element:	Hazardous Waste Treatment
Inspection Type:	Re-inspection
Inspection Number:	6768168
Return To Compliance Date:	Not reported
Nov:	Not reported
Violation Classification:	Not reported
Underground Storage Tank Id:	Not reported
Container/Tank Id:	FTU1
Last Update:	2021-12-24T13:06:06.000
Inspection Date:	2021-07-12T00:00:00.000
Violation Code:	HMD1704 Number of tanks, containers, and/or treatment processes is not correct for each treatment unit. CE: HSC 25201.5(d)(7), 25201.5(a),(c); CEL: HSC 25201.14(a); CA: HSC 25200.3(a) & (e)(3); PBR: 22 CCR 67450.2(b)(3)(G), 67450.3(c)(4) & 67450.11

Record ID:	DEH2002-HUPFP-124147
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-124147
Program Element:	Hazardous Waste Generator
Inspection Type:	Routine
Inspection Number:	4108584
Return To Compliance Date:	2014-05-20T00:00:00.000
Nov:	No
Violation Classification:	Class II
Underground Storage Tank Id:	Not reported
Container/Tank Id:	Not reported
Last Update:	2021-12-24T13:06:06.000
Inspection Date:	2014-02-12T16:13:00.000
Violation Code:	3030029 Failure of the owner or operator to conduct inspections and maintain inspection records at the facility of the following tank equipment: 22 CCR 15 66265.195(a).

Record ID:	DEH2002-HUPFP-124147
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-124147
Program Element:	Hazardous Waste Generator
Inspection Type:	Routine
Inspection Number:	5951811
Return To Compliance Date:	2018-08-22T00:00:00.000
Nov:	No
Violation Classification:	Class II
Underground Storage Tank Id:	Not reported
Container/Tank Id:	Not reported
Last Update:	2021-12-24T13:06:06.000
Inspection Date:	2018-08-22T14:01:53.000
Violation Code:	HMD0152 +e-aFailed to report &/or update the required inventory information for hazardous waste(s) generated at the facility in CERS. +e-aSDCC 68.904(a)(2)

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Record ID:	DEH2002-HUPFP-124147
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-124147
Program Element:	Hazardous Waste Generator
Inspection Type:	Re-inspection
Inspection Number:	6768168
Return To Compliance Date:	2021-07-14T00:00:00.000
Nov:	No
Violation Classification:	Minor
Underground Storage Tank Id:	Not reported
Container/Tank Id:	Not reported
Last Update:	2021-12-24T13:06:06.000
Inspection Date:	2021-07-12T00:00:00.000
Violation Code:	3030007 Failed to properly label/date hazardous waste container &/or tank. 22 CCR 66262.34(f)

Record ID:	DEH2002-HUPFP-124147
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-124147
Program Element:	Hazardous Waste Generator
Inspection Type:	Re-inspection
Inspection Number:	6768168
Return To Compliance Date:	2021-07-15T00:00:00.000
Nov:	No
Violation Classification:	Class II
Underground Storage Tank Id:	Not reported
Container/Tank Id:	Not reported
Last Update:	2021-12-24T13:06:06.000
Inspection Date:	2021-07-12T00:00:00.000
Violation Code:	3030057 Failed to comply with hazardous waste satellite container regulation. 22 CCR 66262.34(e)

Record ID:	DEH2002-HUPFP-124147
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-124147
Program Element:	Hazardous Materials Release Response Plans
Inspection Type:	Routine
Inspection Number:	4108584
Return To Compliance Date:	2014-05-20T00:00:00.000
Nov:	No
Violation Classification:	Class II
Underground Storage Tank Id:	Not reported
Container/Tank Id:	Not reported
Last Update:	2021-12-24T13:06:06.000
Inspection Date:	2014-02-12T16:13:00.000
Violation Code:	1010008 Failure to submit inventory reports (Activities, Owner/Operator, Hazardous Materials Descriptions and Map pages, if required. Documentation must be resubmitted (for facilities which exceed EPCRA thresholds) or re-certified (for facilities which do not exceed EPCRA thresholds) by March 1; 19 CCR 4 2729.4(b), 2729.5.

Record ID:	DEH2002-HUPFP-124147
Permit Status:	Permit Renewed
Active Permit:	Y

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Facility Id Number:	37-000-124147
Program Element:	Hazardous Materials Release Response Plans
Inspection Type:	Routine
Inspection Number:	5951811
Return To Compliance Date:	2018-08-22T00:00:00.000
Nov:	No
Violation Classification:	Class II
Underground Storage Tank Id:	Not reported
Container/Tank Id:	Not reported
Last Update:	2021-12-24T13:06:06.000
Inspection Date:	2018-08-22T14:01:53.000
Violation Code:	1010004 Chemical inventory incomplete or not submitted in CERS. HSC 25505(a)(1); 25507(a); 25508.1(a-b); 19 CCR 2654 (a) or (d)

Record ID:	DEH2002-HUPFP-124147
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-124147
Program Element:	Hazardous Waste Generator
Inspection Type:	Routine
Inspection Number:	4108584
Return To Compliance Date:	2014-05-20T00:00:00.000
Nov:	No
Violation Classification:	Class II
Underground Storage Tank Id:	Not reported
Container/Tank Id:	Not reported
Last Update:	2021-12-24T13:06:06.000
Inspection Date:	2014-02-12T16:13:00.000
Violation Code:	3020002 Failure to provide employees within the first six months after the date of their employment, or assignment to the facility, or to work unsupervised, or to a new position at a facility with hazardous waste training to ensure employees are competent in the following areas: hazardous waste management procedures (including contingency plan implementation) relevant to the positions in which they are employed, emergency response and emergency equipment, and procedures for using, inspecting, repairing, and replacing facility emergency and monitoring equipment. In addition, the owner/operator shall ensure facility personnel take part in an annual review of the initial training and training records training records on current personnel shall be kept until closure of the facility. Training records on former employees shall be kept for at least three years from the date the employee last worked at the facility. The records shall include the following: the job title for each position at the facility related to hazardous waste management, and the name of the employee filling each job; a written job description for each position, duties of facility personnel assigned to each position, and a written description of the type and amount of both introductory and continuing training that will be given to each person filling a position.; 22 CCR 15 66265.16.

Waste and Materials:

Record ID:	DEH2002-HUPFP-124147
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2018-HCHEM-0177169
Trade Secret:	N
Hazardous Material Type:	Mixture

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Last Updated: 2018-04-10T11:28:49.000
Chemical Name: Not reported
Common Name: DEVELOPER, 45-50%
Case Number: Not reported

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0177170
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2018-04-10T11:28:49.000
Chemical Name: Not reported
Common Name: G GRABBER W/DIMETHYLAMINE
Case Number: Not reported

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0177173
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2018-04-10T11:28:49.000
Chemical Name: Not reported
Common Name: MURIATIC ACID
Case Number: Not reported

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0166735
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2018-01-20T02:58:17.000
Chemical Name: Not reported
Common Name: CU OX 1625 W/SODIUM CHLORATE
Case Number: Not reported

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0166739
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2018-01-20T02:58:17.000
Chemical Name: Not reported
Common Name: GC-133
Case Number: Not reported

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0166740
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2018-01-20T02:58:17.000
Chemical Name: Not reported

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Common Name: MURIATIC ACID
Case Number: Not reported

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0166741
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2018-01-20T02:58:17.000
Chemical Name: OXYGEN GAS
Common Name: OXYGEN GAS
Case Number: 7782-44-7

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0166742
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2018-01-20T02:58:17.000
Chemical Name: Not reported
Common Name: REPLENISHER
Case Number: Not reported

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0166743
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2018-01-20T02:58:17.000
Chemical Name: Not reported
Common Name: SOLDER OIL, HSL
Case Number: Not reported

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0166744
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2018-01-20T02:58:17.000
Chemical Name: Not reported
Common Name: FS-72/OL (Resist Stripper solution)
Case Number: Not reported

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0166745
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2018-01-20T02:58:17.000
Chemical Name: Trifluoromethane GAS
Common Name: Trifluoromethane GAS
Case Number: 75-46-7

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Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0166746
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2018-01-20T02:58:17.000
Chemical Name: Not reported
Common Name: TSN 3000
Case Number: Not reported

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0166747
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2018-01-20T02:58:17.000
Chemical Name: Not reported
Common Name: Tank 01 - Copper Plating
Case Number: Not reported

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0166748
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2018-01-20T02:58:17.000
Chemical Name: Not reported
Common Name: Tank 02 - Immersion Tin Plating Solution
Case Number: Not reported

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0166749
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2018-01-20T02:58:17.000
Chemical Name: Not reported
Common Name: Tank 03 - Copper Plating
Case Number: Not reported

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0166750
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2018-01-20T02:58:17.000
Chemical Name: Not reported
Common Name: Tank 04 - Copper Plating
Case Number: Not reported

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed

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Active Permit: Y
Child Record Id: DEH2018-HCHEM-0166751
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2018-01-20T02:58:17.000
Chemical Name: Not reported
Common Name: Tank 05 - Copper Plating
Case Number: Not reported

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0166752
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2018-01-20T02:58:17.000
Chemical Name: Not reported
Common Name: Tank 06 - Electro Tin Plating
Case Number: Not reported

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0166753
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2018-01-20T02:58:17.000
Chemical Name: Not reported
Common Name: Tank 07 - Lead Plating Solution
Case Number: Not reported

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0166754
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2018-01-20T02:58:17.000
Chemical Name: Technic Nickel Sulfamate
Common Name: Tank 11 - Nickel Plating Solution
Case Number: Not reported

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0166755
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2018-01-20T02:58:17.000
Chemical Name: Not reported
Common Name: Tank 13 - Micro Etch Solution
Case Number: Not reported

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0166756

HUGHES CIRCUITS INC (Continued) **1007200409**

Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2018-01-20T02:58:17.000
Chemical Name: Not reported
Common Name: Tank 14 - Chemical Clean (Micro Etch)
Case Number: Not reported

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0166757
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2018-01-20T02:58:17.000
Chemical Name: Not reported
Common Name: Tank 15 - Developer (Baking Soda)
Case Number: Not reported

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0166758
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2018-01-20T02:58:17.000
Chemical Name: Not reported
Common Name: Tank 16 - Ammoniated Alkaline Etch Solution
Case Number: Not reported

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0166759
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2018-01-20T02:58:17.000
Chemical Name: Not reported
Common Name: Tank 17 - Developer (Baking Soda)
Case Number: Not reported

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0166760
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2018-01-20T02:58:17.000
Chemical Name: Not reported
Common Name: Tank 20 - Cobra Bond Pre Dip
Case Number: Not reported

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0166761
Trade Secret: N
Hazardous Material Type: Mixture

HUGHES CIRCUITS INC (Continued) **1007200409**

Last Updated: 2018-01-20T02:58:17.000
Chemical Name: Not reported
Common Name: Tank 21 - Glibrite Chemical
Case Number: Not reported

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0166762
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2018-01-20T02:58:17.000
Chemical Name: Not reported
Common Name: Tank 22 - Resist Strip and Filter
Case Number: Not reported

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0166763
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2018-01-20T02:58:17.000
Chemical Name: Not reported
Common Name: Tank 23 - Soder Mask Stripper (Machine)
Case Number: Not reported

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0166764
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2018-01-20T02:58:17.000
Chemical Name: Not reported
Common Name: Tank 24 - Tin Lead Stripper Solution
Case Number: Not reported

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0166765
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2018-01-20T02:58:17.000
Chemical Name: Not reported
Common Name: Tank 25 - Cupric Chloride Etch Solution
Case Number: Not reported

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HWAST-0141580
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2018-01-20T02:58:18.000
Chemical Name: Not reported

HUGHES CIRCUITS INC (Continued) **1007200409**

Common Name: NA3077, HAZARDOUS WASTE, SOLID, n.o.s., (LEAD), 9, PGIII, 33-21154 FILTERS WITH TIN LEAD,
Case Number: Not reported

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HWAST-0141581
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2018-01-20T02:58:18.000
Chemical Name: Not reported
Common Name: NON-RCRA HAZARDOUS WASTE, LIQUID, (CUTTING FLUID), 33-25984 CUTTING FLUID, USE - 07
Case Number: Not reported

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HWAST-0141582
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2018-01-20T02:58:18.000
Chemical Name: Not reported
Common Name: NON-RCRA HAZARDOUS WASTE, LIQUID, (ELECTROLESS NICKEL), 33-21151 ELECTROLESS NI
Case Number: Not reported

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HWAST-0141583
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2018-01-20T02:58:18.000
Chemical Name: Not reported
Common Name: NON-RCRA HAZARDOUS WASTE, LIQUID, (PUMICE WITH COPPER), 33-21152 PUMICE WITH CO
Case Number: Not reported

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HWAST-0141584
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2018-01-20T02:58:18.000
Chemical Name: Not reported
Common Name: NON-RCRA HAZARDOUS WASTE, LIQUID, 33-23671 SOLDER MASK AND INK, USE - 070131570-5
Case Number: Not reported

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HWAST-0141585
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2018-01-20T02:58:18.000
Chemical Name: Not reported
Common Name: RQ UN1588, WASTE CYANIDE INORGANIC, n.o.s., (GOLD FILTERS), 6.1, PGIII (F008)
Case Number: Not reported

HUGHES CIRCUITS INC (Continued) **1007200409**

Record ID:	DEH2002-HUPFP-124147
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2018-HWAST-0141586
Trade Secret:	N
Hazardous Material Type:	Not reported
Last Updated:	2018-01-20T02:58:18.000
Chemical Name:	Not reported
Common Name:	RQ UN1935, WASTE CYANIDE SOLUTION, n.o.s., (GOLD PLATE SOLUTION), 6.1, PGII (F007)
Case Number:	Not reported

Record ID:	DEH2002-HUPFP-124147
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2018-HWAST-0141587
Trade Secret:	N
Hazardous Material Type:	Not reported
Last Updated:	2018-01-20T02:58:18.000
Chemical Name:	Not reported
Common Name:	RQ, NA3077, HAZARDOUS WASTE, SOLID, n.o.s., (F006), 9, PGIII
Case Number:	Not reported

Record ID:	DEH2002-HUPFP-124147
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2018-HWAST-0141588
Trade Secret:	N
Hazardous Material Type:	Not reported
Last Updated:	2018-01-20T02:58:18.000
Chemical Name:	Not reported
Common Name:	UN1993, WASTE FLAMMABLE LIQUIDS, n.o.s. (1-METHOEY-2-PROPANOL ACETATE), 3, PGIII, RQ
Case Number:	Not reported

Record ID:	DEH2002-HUPFP-124147
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2018-HWAST-0141589
Trade Secret:	N
Hazardous Material Type:	Not reported
Last Updated:	2018-01-20T02:58:18.000
Chemical Name:	Not reported
Common Name:	UN2922, WASTE CORROSIVE LIQUID, TOXIC. n.o.s., (NITRIC ACID, LEAD), 8 (6.1), PGII, 33-21295
Case Number:	Not reported

Record ID:	DEH2002-HUPFP-124147
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2018-HWAST-0141590
Trade Secret:	N
Hazardous Material Type:	Not reported
Last Updated:	2018-01-20T02:58:18.000
Chemical Name:	Not reported
Common Name:	UN3179, WASTE FLAMMABLE SOLID, TOXIC, INORGANIC, n.o.s., (SODIUM NITROBENZOATE, PO
Case Number:	Not reported

Record ID:	DEH2002-HUPFP-124147
Permit Status:	Permit Renewed

HUGHES CIRCUITS INC (Continued) **1007200409**

Active Permit: Y
Child Record Id: DEH2018-HWAST-0141595
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2018-01-20T02:58:18.000
Chemical Name: Not reported
Common Name: UN3284, WASTE CORROSIVE LIQUID, ACIDIC, INORGANIC, n.o.s., (SULFURIC ACID, COPPER CH
Case Number: Not reported

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HWAST-0141596
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2018-01-20T02:58:18.000
Chemical Name: Not reported
Common Name: UN3288, WASTE TOXIC SOLID, INORGANIC, n.o.s. (LEAD), 6.1, PGII, RQ (LEAD), 3323670 SOLDER
Case Number: Not reported

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HWAST-0141598
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2018-01-20T02:58:18.000
Chemical Name: Not reported
Common Name: WASTE TREATMENT - ACCUMULATION TANK (MAIN)
Case Number: Not reported

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0166736
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2018-01-20T02:58:17.000
Chemical Name: Not reported
Common Name: DEVELOPER, 45-50%
Case Number: Not reported

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0166737
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2018-01-20T02:58:17.000
Chemical Name: Not reported
Common Name: G GRABBER W/DIMETHYLAMINE
Case Number: Not reported

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0166738

HUGHES CIRCUITS INC (Continued) **1007200409**

Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2018-01-20T02:58:17.000
Chemical Name: HYDROGEN, COMPRESSED GAS
Common Name: HYDROGEN, COMPRESSED GAS
Case Number: 1333-74-0

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HWAST-0141591
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2018-01-20T02:58:18.000
Chemical Name: Not reported
Common Name: UN3264, WASTE CORROSIVE LIQUID, ACIDIC, INORGANIC, n.o.s. (HYDROFLUORIC ACID), 8, PGI
Case Number: Not reported

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HWAST-0141592
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2018-01-20T02:58:18.000
Chemical Name: Not reported
Common Name: UN3264, WASTE CORROSIVE LIQUID, ACIDIC, INORGANIC, n.o.s. (SULFURIC ACID, COPPER SUL
Case Number: Not reported

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HWAST-0141593
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2018-01-20T02:58:18.000
Chemical Name: Not reported
Common Name: UN3266, WASTE CORROSIVE LIQUID, BASIC, INORGANIC, n.o.s., (COPPER TETRAAMINE DICHLO
Case Number: Not reported

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HWAST-0141594
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2018-01-20T02:58:18.000
Chemical Name: Not reported
Common Name: UN3284, WASTE CORROSIVE LIQUID, ACIDIC, INORGANIC, n.o.s., (CUPRIC CHLORIDE, HYDROC
Case Number: Not reported

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HWAST-0141597
Trade Secret: N
Hazardous Material Type: Not reported

HUGHES CIRCUITS INC (Continued) **1007200409**

Last Updated: 2018-01-20T02:58:18.000
Chemical Name: Not reported
Common Name: WASTE TREATMENT - ACCUMULATION TANK (ION EXCHANGE)
Case Number: Not reported

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2019-HCHEM-0218618
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2019-12-04T01:02:14.000
Chemical Name: Sodium Chlorate Sol.
Common Name: CU OX 1625 W/SODIUM CHLORATE
Case Number: 7775-09-9

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2019-HCHEM-0218619
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2019-12-04T01:02:14.000
Chemical Name: Hydrochloric Acid
Common Name: MURIATIC ACID
Case Number: 7647-01-0

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2019-HCHEM-0218620
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2019-12-04T01:02:14.000
Chemical Name: Tank 76 - Cupric Chloride Etch Solution
Common Name: Tank 76 - Cupric Chloride Etch Solution
Case Number: Not reported

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2019-HCHEM-0218625
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2019-12-04T01:02:14.000
Chemical Name: OXYGEN GAS
Common Name: OXYGEN GAS
Case Number: 7782-44-7

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2019-HCHEM-0218626
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2019-12-04T01:02:14.000
Chemical Name: Polyglycol

HUGHES CIRCUITS INC (Continued) **1007200409**

Common Name: AF-1864
Case Number: Not reported

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2019-HCHEM-0218627
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2019-12-04T01:02:14.000
Chemical Name: Monoethenolamine
Common Name: FS-72/OL (Resist Stripper solution)
Case Number: 141-43-5

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2019-HCHEM-0218633
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2019-12-04T01:02:14.000
Chemical Name: Not reported
Common Name: Tank 13 -Tin/ Lead Plating Solution
Case Number: Not reported

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2019-HCHEM-0218634
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2019-12-04T01:02:14.000
Chemical Name: Technic Nickel Sulfamate
Common Name: Tank 29 - Nickel Plating Solution
Case Number: Not reported

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2019-HWAST-0188251
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2019-12-04T01:02:16.000
Chemical Name: Not reported
Common Name: UN3265, WASTE Corrosive liquid, acidic, organic, n.o.s. (METHANESULFONIC ACID), 8, III, ERG 153
Case Number: Not reported

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2019-HWAST-0188252
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2019-12-04T01:02:16.000
Chemical Name: Not reported
Common Name: RQ UN3266 WASTE CORROSIVE LIQUID, BASIC, INORGANIC, N.O.S., (COPPER TETRAMINE DIC
Case Number: Not reported

HUGHES CIRCUITS INC (Continued) **1007200409**

Record ID:	DEH2002-HUPFP-124147
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2019-HWAST-0188253
Trade Secret:	N
Hazardous Material Type:	Not reported
Last Updated:	2019-12-04T01:02:16.000
Chemical Name:	Not reported
Common Name:	NA3077, HAZARDOUS WASTE, SOLID, n.o.s., (LEAD), 9, PGIII, 33-21154 FILTERS WITH TIN LEAD,
Case Number:	Not reported

Record ID:	DEH2002-HUPFP-124147
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2019-HWAST-0188254
Trade Secret:	N
Hazardous Material Type:	Not reported
Last Updated:	2019-12-04T01:02:16.000
Chemical Name:	Soluble Oil.
Common Name:	NON-RCRA HAZARDOUS WASTE, LIQUID, (CUTTING FLUID), 33-25984 CUTTING FLUID, USE - 07
Case Number:	Not reported

Record ID:	DEH2002-HUPFP-124147
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2019-HWAST-0188255
Trade Secret:	N
Hazardous Material Type:	Not reported
Last Updated:	2019-12-04T01:02:16.000
Chemical Name:	Not reported
Common Name:	NON-RCRA HAZARDOUS WASTE, LIQUID, (ELECTROLESS NICKEL), 33-21151 ELECTROLESS NI
Case Number:	Not reported

Record ID:	DEH2002-HUPFP-124147
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2019-HWAST-0188258
Trade Secret:	N
Hazardous Material Type:	Not reported
Last Updated:	2019-12-04T01:02:16.000
Chemical Name:	Not reported
Common Name:	RQ, NA3077, HAZARDOUS WASTE, SOLID, n.o.s., (F006), 9, PGIII
Case Number:	Not reported

Record ID:	DEH2002-HUPFP-124147
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2019-HWAST-0188259
Trade Secret:	N
Hazardous Material Type:	Not reported
Last Updated:	2019-12-04T01:02:16.000
Chemical Name:	Not reported
Common Name:	UN1993, WASTE FLAMMABLE LIQUIDS, n.o.s. (1-METHOEY-2-PROPANOL ACETATE), 3, PGIII, RQ
Case Number:	Not reported

Record ID:	DEH2002-HUPFP-124147
Permit Status:	Permit Renewed

HUGHES CIRCUITS INC (Continued) **1007200409**

Active Permit: Y
Child Record Id: DEH2019-HWAST-0188260
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2019-12-04T01:02:16.000
Chemical Name: Not reported
Common Name: UN3264, WASTE CORROSIVE LIQUID, ACIDIC, INORGANIC, n.o.s. (HYDROFLUORIC ACID), 8, PGI
Case Number: Not reported

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2019-HWAST-0188261
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2019-12-04T01:02:16.000
Chemical Name: Not reported
Common Name: UN3288, WASTE TOXIC SOLID, INORGANIC, n.o.s. (LEAD), 6.1, PGII, RQ (LEAD), 3323670 SOLDEF
Case Number: Not reported

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2019-HWAST-0188267
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2019-12-04T01:02:16.000
Chemical Name: UN1950, AEROSOLS, 2.1 IB-305-1145
Common Name: UN1950, AEROSOLS, 2.1 IB-305-1145
Case Number: Not reported

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2019-HWAST-0188268
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2019-12-04T01:02:16.000
Chemical Name: IB-C303-0192 NON-CONDUCTIVE PASTE NA3082 HAZARDOUS WASTE, LIQUID, N.O.S. (D005), 9,
Common Name: NON-CONDUCTIVE PASTE
Case Number: Not reported

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HCHEM-0266809
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2020-06-16T02:32:58.000
Chemical Name: Potassium Carbonate
Common Name: DV-6600
Case Number: 584-08-7

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0198156

HUGHES CIRCUITS INC (Continued) **1007200409**

Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2018-10-26T22:10:55.000
Chemical Name: Sodium Chlorate Sol.
Common Name: CU OX 1625 W/SODIUM CHLORATE
Case Number: 7775-09-9

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0198157
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2018-10-26T22:10:55.000
Chemical Name: Hydrochloric Acid
Common Name: MURIATIC ACID
Case Number: 7647-01-0

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0198158
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2018-10-26T22:10:55.000
Chemical Name: Tank 76 - Cupric Chloride Etch Solution
Common Name: Tank 76 - Cupric Chloride Etch Solution
Case Number: Not reported

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0198159
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2018-10-26T22:10:55.000
Chemical Name: Potassium Carbonate
Common Name: DV-6600
Case Number: 584-08-7

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0198160
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2018-10-26T22:10:55.000
Chemical Name: Sodium Hydroxide
Common Name: G GRABBER W/DIMETHYLAMINE
Case Number: Not reported

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0198161
Trade Secret: N
Hazardous Material Type: Pure

HUGHES CIRCUITS INC (Continued) **1007200409**

Last Updated: 2018-10-26T22:10:55.000
Chemical Name: HYDROGEN, COMPRESSED GAS
Common Name: HYDROGEN, COMPRESSED GAS
Case Number: 1333-74-0

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0198162
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2018-10-26T22:10:55.000
Chemical Name: Aluminum Sulfate
Common Name: GC-133
Case Number: 10043-01-3

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0198163
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2018-10-26T22:10:55.000
Chemical Name: OXYGEN GAS
Common Name: OXYGEN GAS
Case Number: 7782-44-7

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0198164
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2018-10-26T22:10:55.000
Chemical Name: Polyglycol
Common Name: AF-1864
Case Number: Not reported

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0198165
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2018-10-26T22:10:55.000
Chemical Name: Monoethenolamine
Common Name: FS-72/OL (Resist Stripper solution)
Case Number: 141-43-5

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0198166
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2018-10-26T22:10:55.000
Chemical Name: carbon tetrafluoride

HUGHES CIRCUITS INC (Continued) **1007200409**

Common Name: Tetrafluoromethane
Case Number: 75-73-0

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0198167
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2018-10-26T22:10:55.000
Chemical Name: Nitric acid
Common Name: Tank 81 - Tin Lead Stripper Solution
Case Number: 7697-37-2

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0198168
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2018-10-26T22:10:55.000
Chemical Name: Not reported
Common Name: Tank 01,02,06,07 - Copper Plating
Case Number: Not reported

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0198169
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2018-10-26T22:10:55.000
Chemical Name: tin(II) methanesulphonate
Common Name: Tank 14 - Immersion Tin Plating Solution
Case Number: Not reported

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0198170
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2018-10-26T22:10:55.000
Chemical Name: Not reported
Common Name: Tank 12 - Electro Tin Plating
Case Number: Not reported

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0198171
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2018-10-26T22:10:55.000
Chemical Name: Not reported
Common Name: Tank 13 -Tin/ Lead Plating Solution
Case Number: Not reported

HUGHES CIRCUITS INC (Continued) **1007200409**

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0198172
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2018-10-26T22:10:55.000
Chemical Name: Technic Nickel Sulfamate
Common Name: Tank 29 - Nickel Plating Solution
Case Number: Not reported

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0198173
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2018-10-26T22:10:55.000
Chemical Name: Not reported
Common Name: Tanks 09,17,25,46,52,124 - Micro Etch(Surface preperation)
Case Number: Not reported

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0198174
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2018-10-26T22:10:55.000
Chemical Name: Not reported
Common Name: Tank 73,86,87 - Copper Etch (Surface preperation)
Case Number: Not reported

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0198175
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2018-10-26T22:10:55.000
Chemical Name: Ammonium Chloride
Common Name: Tank 107 - Ammoniated Alkaline Etch Solution
Case Number: 12125-02-9

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0198176
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2018-10-26T22:10:55.000
Chemical Name: Potassium carbonate
Common Name: Tank 109, 111- Developer (Baking Soda)
Case Number: 584-08-7

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed

HUGHES CIRCUITS INC (Continued) **1007200409**

Active Permit: Y
Child Record Id: DEH2018-HCHEM-0198177
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2018-10-26T22:10:55.000
Chemical Name: UN1760 WASTE CORROSIVE LIQUID, ORGANIC, N.O.S. (Ethylenediamine), B, PGII
Common Name: UN1760 WASTE CORROSIVE LIQUID, ORGANIC, N.O.S. (Ethylenediamine), B, PGII
Case Number: 107-15-3

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HWAST-0170753
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2018-10-26T22:10:55.000
Chemical Name: Not reported
Common Name: UN3264 RQ, WASTE CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S., (Cupric chloride, hydrochlo
Case Number: Not reported

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HWAST-0170754
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2018-10-26T22:10:55.000
Chemical Name: Polyglycol
Common Name: AF-1864
Case Number: Not reported

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HWAST-0170755
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2018-10-26T22:10:55.000
Chemical Name: Not reported
Common Name: UN2922, WASTE CORROSIVE LIQUIDS, TOXIC, N.O.S. (NITRIC ACID, LEAD), 8, PGII, ERG#154
Case Number: Not reported

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HWAST-0170756
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2018-10-26T22:10:55.000
Chemical Name: Not reported
Common Name: W-Cu Plating Solution
Case Number: Not reported

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HWAST-0170757

HUGHES CIRCUITS INC (Continued) **1007200409**

Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2018-10-26T22:10:55.000
Chemical Name: Not reported
Common Name: UN3265, WASTE Corrosive liquid, acidic, organic, n.o.s. (METHANESULFONIC ACID), 8, III, ERG 153
Case Number: Not reported

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HWAST-0170758
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2018-10-26T22:10:55.000
Chemical Name: Not reported
Common Name: RQ UN3266 WASTE CORROSIVE LIQUID, BASIC, INORGANIC, N.O.S., (COPPER TETRAMINE DIC
Case Number: Not reported

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HWAST-0170759
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2018-10-26T22:10:55.000
Chemical Name: Not reported
Common Name: NA3077, HAZARDOUS WASTE, SOLID, n.o.s., (LEAD), 9, PGIII, 33-21154 FILTERS WITH TIN LEAD,
Case Number: Not reported

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HWAST-0170760
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2018-10-26T22:10:55.000
Chemical Name: Soluble Oil.
Common Name: NON-RCRA HAZARDOUS WASTE, LIQUID, (CUTTING FLUID), 33-25984 CUTTING FLUID, USE - 07
Case Number: Not reported

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HWAST-0170761
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2018-10-26T22:10:55.000
Chemical Name: Not reported
Common Name: NON-RCRA HAZARDOUS WASTE, LIQUID, (ELECTROLESS NICKEL), 33-21151 ELECTROLESS NI
Case Number: Not reported

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HWAST-0170762
Trade Secret: N
Hazardous Material Type: Not reported

HUGHES CIRCUITS INC (Continued) **1007200409**

Last Updated: 2018-10-26T22:10:55.000
Chemical Name: Not reported
Common Name: RQ UN1588, WASTE CYANIDE INORGANIC, n.o.s., (GOLD FILTERS), 6.1, PGIII (F008)
Case Number: Not reported

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HWAST-0170763
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2018-10-26T22:10:55.000
Chemical Name: Not reported
Common Name: RQ UN1935, WASTE CYANIDE SOLUTION, n.o.s., (GOLD PLATE SOLUTION), 6.1, PGII (F007)
Case Number: Not reported

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HWAST-0170764
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2018-10-26T22:10:55.000
Chemical Name: Not reported
Common Name: RQ, NA3077, HAZARDOUS WASTE, SOLID, n.o.s., (F006), 9, PGIII
Case Number: Not reported

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HWAST-0170765
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2018-10-26T22:10:55.000
Chemical Name: Not reported
Common Name: UN1993, WASTE FLAMMABLE LIQUIDS, n.o.s. (1-METHOEY-2-PROPANOL ACETATE), 3, PGIII, RQ
Case Number: Not reported

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HWAST-0170766
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2018-10-26T22:10:55.000
Chemical Name: Not reported
Common Name: UN3264, WASTE CORROSIVE LIQUID, ACIDIC, INORGANIC, n.o.s. (HYDROFLUORIC ACID), 8, PGI
Case Number: Not reported

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HWAST-0170767
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2018-10-26T22:10:55.000
Chemical Name: Not reported

HUGHES CIRCUITS INC (Continued) **1007200409**

Common Name: UN3288, WASTE TOXIC SOLID, INORGANIC, n.o.s. (LEAD), 6.1, PGII, RQ (LEAD), 3323670 SOLDER
Case Number: Not reported

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HWAST-0170768
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2018-10-26T22:10:55.000
Chemical Name: Not reported
Common Name: WASTE TREATMENT - ACCUMULATION TANK (ION EXCHANGE)
Case Number: Not reported

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HWAST-0170769
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2018-10-26T22:10:55.000
Chemical Name: Not reported
Common Name: WASTE TREATMENT - ACCUMULATION TANK (MAIN)
Case Number: Not reported

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HWAST-0170770
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2018-10-26T22:10:55.000
Chemical Name: NON RCRA HAZARDOUS WASTE, LIQUID (AROMATIC HYDROCARBONS) 19-27644 HEAT TRANS
Common Name: NON RCRA HAZARDOUS WASTE, LIQUID (AROMATIC HYDROCARBONS) 19-27644 HEAT TRANS
Case Number: Not reported

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HWAST-0170771
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2018-10-26T22:10:55.000
Chemical Name: NON RCRA HAZARDOUS WASTE, LIQUID (MIXED OILS) IB-33-31149
Common Name: NON RCRA HAZARDOUS WASTE, LIQUID (MIXED OILS) IB-33-31149
Case Number: Not reported

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HWAST-0170772
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2018-10-26T22:10:55.000
Chemical Name: NON RCRA HAZARDOUS WASTE, SOLID (RAGS AND DEBRIS) IB-33-26706
Common Name: NON RCRA HAZARDOUS WASTE, SOLID (RAGS AND DEBRIS) IB-33-26706
Case Number: Not reported

HUGHES CIRCUITS INC (Continued) **1007200409**

Record ID:	DEH2002-HUPFP-124147
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2018-HWAST-0170773
Trade Secret:	N
Hazardous Material Type:	Not reported
Last Updated:	2018-10-26T22:10:55.000
Chemical Name:	UN1950, AEROSOLS, 2.1 IB-305-1145
Common Name:	UN1950, AEROSOLS, 2.1 IB-305-1145
Case Number:	Not reported

Record ID:	DEH2002-HUPFP-124147
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2018-HWAST-0170774
Trade Secret:	N
Hazardous Material Type:	Not reported
Last Updated:	2018-10-26T22:10:55.000
Chemical Name:	IB-C303-0192 NON-CONDUCTIVE PASTE NA3082 HAZARDOUS WASTE, LIQUID, N.O.S. (D005), 9,
Common Name:	NON-CONDUCTIVE PASTE
Case Number:	Not reported

Record ID:	DEH2002-HUPFP-124147
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2021-HCHEM-0295985
Trade Secret:	N
Hazardous Material Type:	Pure
Last Updated:	2021-10-14T00:46:50.000
Chemical Name:	HYDROGEN, COMPRESSED GAS
Common Name:	HYDROGEN, COMPRESSED GAS
Case Number:	1333-74-0

Record ID:	DEH2002-HUPFP-124147
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2021-HCHEM-0295986
Trade Secret:	N
Hazardous Material Type:	Mixture
Last Updated:	2021-10-14T00:46:50.000
Chemical Name:	Aluminum Sulfate
Common Name:	GC-133
Case Number:	10043-01-3

Record ID:	DEH2002-HUPFP-124147
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2021-HCHEM-0295988
Trade Secret:	N
Hazardous Material Type:	Mixture
Last Updated:	2021-10-14T00:46:50.000
Chemical Name:	Polyglycol
Common Name:	AF-1864
Case Number:	Not reported

Record ID:	DEH2002-HUPFP-124147
Permit Status:	Permit Renewed

HUGHES CIRCUITS INC (Continued) **1007200409**

Active Permit: Y
Child Record Id: DEH2021-HCHEM-0295991
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2021-10-14T00:46:50.000
Chemical Name: Nitric acid
Common Name: Tank 81 - Tin Lead Stripper Solution
Case Number: 7697-37-2

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2021-HCHEM-0295993
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2021-10-14T00:46:50.000
Chemical Name: tin(II) methanesulphonate
Common Name: Tank 14 - Immersion Tin Plating Solution
Case Number: Not reported

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2021-HCHEM-0295995
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2021-10-14T00:46:50.000
Chemical Name: Not reported
Common Name: Tank 13 -Tin/ Lead Plating Solution
Case Number: Not reported

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2021-HCHEM-0295996
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2021-10-14T00:46:50.000
Chemical Name: Technic Nickel Sulfamate
Common Name: Tank 29 - Nickel Plating Solution
Case Number: Not reported

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2021-HCHEM-0295997
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2021-10-14T00:46:50.000
Chemical Name: Not reported
Common Name: Tanks 09,17,25,46,52,124 - Micro Etch(Surface preperation)
Case Number: Not reported

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2021-HCHEM-0295999

HUGHES CIRCUITS INC (Continued) **1007200409**

Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2021-10-14T00:46:50.000
Chemical Name: Ammonium Chloride
Common Name: Tank 107 - Ammoniated Alkaline Etch Solution
Case Number: 12125-02-9

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2021-HCHEM-0296001
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2021-10-14T00:46:50.000
Chemical Name: UN1760 WASTE CORROSIVE LIQUID, ORGANIC, N.O.S. (Ethylenediamine), B, PGII
Common Name: UN1760 WASTE CORROSIVE LIQUID, ORGANIC, N.O.S. (Ethylenediamine), B, PGII
Case Number: 107-15-3

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2021-HCHEM-0296002
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2021-10-14T00:46:50.000
Chemical Name: Nitrogen, Liquid
Common Name: Nitrogen, Liquid
Case Number: 7727-37-9

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2021-HWAST-0264206
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2021-10-14T00:46:51.000
Chemical Name: Not reported
Common Name: UN3264 RQ, WASTE CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S., (Cupric chloride, hydrochlo
Case Number: Not reported

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2021-HWAST-0264207
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2021-10-14T00:46:51.000
Chemical Name: Polyglycol
Common Name: AF-1864
Case Number: Not reported

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2021-HWAST-0264208
Trade Secret: N
Hazardous Material Type: Not reported

HUGHES CIRCUITS INC (Continued) **1007200409**

Last Updated: 2021-10-14T00:46:51.000
Chemical Name: Not reported
Common Name: UN2922, WASTE CORROSIVE LIQUIDS, TOXIC, N.O.S. (NITRIC ACID, LEAD), 8, PGII, ERG#154
Case Number: Not reported

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2021-HWAST-0264210
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2021-10-14T00:46:51.000
Chemical Name: Not reported
Common Name: UN3265, WASTE Corrosive liquid, acidic, organic, n.o.s. (METHANESULFONIC ACID), 8, III, ERG 153
Case Number: Not reported

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2021-HWAST-0264211
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2021-10-14T00:46:51.000
Chemical Name: Not reported
Common Name: RQ UN3266 WASTE CORROSIVE LIQUID, BASIC, INORGANIC, N.O.S., (COPPER TETRAMINE DIC
Case Number: Not reported

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2021-HWAST-0264212
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2021-10-14T00:46:51.000
Chemical Name: Not reported
Common Name: NA3077, HAZARDOUS WASTE, SOLID, n.o.s., (LEAD), 9, PGIII, 33-21154 FILTERS WITH TIN LEAD,
Case Number: Not reported

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2021-HWAST-0264213
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2021-10-14T00:46:51.000
Chemical Name: Soluble Oil.
Common Name: NON-RCRA HAZARDOUS WASTE, LIQUID, (CUTTING FLUID), 33-25984 CUTTING FLUID, USE - 07
Case Number: Not reported

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2021-HWAST-0264214
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2021-10-14T00:46:51.000
Chemical Name: Not reported

HUGHES CIRCUITS INC (Continued) **1007200409**

Common Name: NON-RCRA HAZARDOUS WASTE, LIQUID, (ELECTROLESS NICKEL), 33-21151 ELECTROLESS NI
Case Number: Not reported

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2021-HWAST-0264216
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2021-10-14T00:46:51.000
Chemical Name: Not reported
Common Name: RQ UN1935, WASTE CYANIDE SOLUTION, n.o.s., (GOLD PLATE SOLUTION), 6.1, PGII (F007)
Case Number: Not reported

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2021-HWAST-0264218
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2021-10-14T00:46:51.000
Chemical Name: Not reported
Common Name: UN1993, WASTE FLAMMABLE LIQUIDS, n.o.s. (1-METHOEY-2-PROPANOL ACETATE), 3, PGIII, RQ
Case Number: Not reported

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2021-HWAST-0264219
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2021-10-14T00:46:51.000
Chemical Name: Not reported
Common Name: UN3264, WASTE CORROSIVE LIQUID, ACIDIC, INORGANIC, n.o.s. (HYDROFLUORIC ACID), 8, PGI
Case Number: Not reported

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2021-HWAST-0264220
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2021-10-14T00:46:51.000
Chemical Name: Not reported
Common Name: UN3288, WASTE TOXIC SOLID, INORGANIC, n.o.s. (LEAD), 6.1, PGII, RQ (LEAD), 3323670 SOLDER
Case Number: Not reported

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2021-HWAST-0264221
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2021-10-14T00:46:51.000
Chemical Name: Not reported
Common Name: WASTE TREATMENT - ACCUMULATION TANK (ION EXCHANGE)
Case Number: Not reported

HUGHES CIRCUITS INC (Continued) **1007200409**

Record ID:	DEH2002-HUPFP-124147
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2020-HCHEM-0266819
Trade Secret:	N
Hazardous Material Type:	Mixture
Last Updated:	2020-06-16T02:32:58.000
Chemical Name:	tin(II) methanesulphonate
Common Name:	Tank 14 - Immersion Tin Plating Solution
Case Number:	Not reported

Record ID:	DEH2002-HUPFP-124147
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2020-HWAST-0237239
Trade Secret:	N
Hazardous Material Type:	Not reported
Last Updated:	2020-06-16T02:32:58.000
Chemical Name:	Not reported
Common Name:	UN3264 RQ, WASTE CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S., (Cupric chloride, hydrochlo
Case Number:	Not reported

Record ID:	DEH2002-HUPFP-124147
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2020-HWAST-0237241
Trade Secret:	N
Hazardous Material Type:	Not reported
Last Updated:	2020-06-16T02:32:58.000
Chemical Name:	Not reported
Common Name:	UN2922, WASTE CORROSIVE LIQUIDS, TOXIC, N.O.S. (NITRIC ACID, LEAD), 8, PGII, ERG#154
Case Number:	Not reported

Record ID:	DEH2002-HUPFP-124147
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2020-HWAST-0237245
Trade Secret:	N
Hazardous Material Type:	Not reported
Last Updated:	2020-06-16T02:32:58.000
Chemical Name:	Not reported
Common Name:	NA3077, HAZARDOUS WASTE, SOLID, n.o.s., (LEAD), 9, PGIII, 33-21154 FILTERS WITH TIN LEAD,
Case Number:	Not reported

Record ID:	DEH2002-HUPFP-124147
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2020-HCHEM-0266811
Trade Secret:	N
Hazardous Material Type:	Pure
Last Updated:	2020-06-16T02:32:58.000
Chemical Name:	HYDROGEN, COMPRESSED GAS
Common Name:	HYDROGEN, COMPRESSED GAS
Case Number:	1333-74-0

Record ID:	DEH2002-HUPFP-124147
Permit Status:	Permit Renewed

HUGHES CIRCUITS INC (Continued) **1007200409**

Active Permit: Y
Child Record Id: DEH2020-HCHEM-0266817
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2020-06-16T02:32:58.000
Chemical Name: Nitric acid
Common Name: Tank 81 - Tin Lead Stripper Solution
Case Number: 7697-37-2

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HCHEM-0266827
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2020-06-16T02:32:58.000
Chemical Name: UN1760 WASTE CORROSIVE LIQUID, ORGANIC, N.O.S. (Ethylenediamine), B, PGII
Common Name: UN1760 WASTE CORROSIVE LIQUID, ORGANIC, N.O.S. (Ethylenediamine), B, PGII
Case Number: 107-15-3

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HWAST-0237253
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2020-06-16T02:32:58.000
Chemical Name: Not reported
Common Name: UN3288, WASTE TOXIC SOLID, INORGANIC, n.o.s. (LEAD), 6.1, PGII, RQ (LEAD), 3323670 SOLDER
Case Number: Not reported

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HWAST-0237255
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2020-06-16T02:32:58.000
Chemical Name: Not reported
Common Name: WASTE TREATMENT - ACCUMULATION TANK (MAIN)
Case Number: Not reported

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HWAST-0237256
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2020-06-16T02:32:58.000
Chemical Name: NON RCRA HAZARDOUS WASTE, LIQUID (AROMATIC HYDROCARBONS) 19-27644 HEAT TRANS
Common Name: NON RCRA HAZARDOUS WASTE, LIQUID (AROMATIC HYDROCARBONS) 19-27644 HEAT TRANS
Case Number: Not reported

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HWAST-0237252

HUGHES CIRCUITS INC (Continued) **1007200409**

Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2020-06-16T02:32:58.000
Chemical Name: Not reported
Common Name: UN3264, WASTE CORROSIVE LIQUID, ACIDIC, INORGANIC, n.o.s. (HYDROFLUORIC ACID), 8, PGI
Case Number: Not reported

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HWAST-0237260
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2020-06-16T02:32:58.000
Chemical Name: IB-C303-0192 NON-CONDUCTIVE PASTE NA3082 HAZARDOUS WASTE, LIQUID, N.O.S. (D005), 9,
Common Name: NON-CONDUCTIVE PASTE
Case Number: Not reported

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2021-HWAST-0264224
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2021-10-14T00:46:51.000
Chemical Name: NON RCRA HAZARDOUS WASTE, LIQUID (MIXED OILS) IB-33-31149
Common Name: NON RCRA HAZARDOUS WASTE, LIQUID (MIXED OILS) IB-33-31149
Case Number: Not reported

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2021-HCHEM-0295980
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2021-10-14T00:46:50.000
Chemical Name: Sodium Chlorate Sol.
Common Name: CU OX 1625 W/SODIUM CHLORATE
Case Number: 7775-09-9

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2021-HCHEM-0295982
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2021-10-14T00:46:50.000
Chemical Name: Tank 76 - Cupric Chloride Etch Solution
Common Name: Tank 76 - Cupric Chloride Etch Solution
Case Number: Not reported

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2021-HCHEM-0295983
Trade Secret: N
Hazardous Material Type: Pure

HUGHES CIRCUITS INC (Continued) **1007200409**

Last Updated: 2021-10-14T00:46:50.000
Chemical Name: Potassium Carbonate
Common Name: DV-6600
Case Number: 584-08-7

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2021-HCHEM-0295984
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2021-10-14T00:46:50.000
Chemical Name: Sodium Hydroxide
Common Name: G GRABBER W/DIMETHYLAMINE
Case Number: Not reported

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2021-HCHEM-0295989
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2021-10-14T00:46:50.000
Chemical Name: Monoethenolamine
Common Name: FS-72/OL (Resist Stripper solution)
Case Number: 141-43-5

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2021-HCHEM-0295990
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2021-10-14T00:46:50.000
Chemical Name: carbon tetrafluoride
Common Name: Tetrafluoromethane
Case Number: 75-73-0

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2021-HCHEM-0295992
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2021-10-14T00:46:50.000
Chemical Name: Not reported
Common Name: Tank 01,02,06,07 - Copper Plating
Case Number: Not reported

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0177171
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2018-04-10T11:28:49.000
Chemical Name: HYDROGEN, COMPRESSED GAS

HUGHES CIRCUITS INC (Continued) **1007200409**

Common Name: HYDROGEN, COMPRESSED GAS
Case Number: 1333-74-0

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0184496
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2018-05-30T01:12:24.000
Chemical Name: Sodium Chlorate Sol.
Common Name: CU OX 1625 W/SODIUM CHLORATE
Case Number: 7775-09-9

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0184497
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2018-05-30T01:12:24.000
Chemical Name: Hydrochloric Acid
Common Name: MURIATIC ACID
Case Number: 7647-01-0

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0184498
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2018-05-30T01:12:24.000
Chemical Name: Not reported
Common Name: Tank 76 - Cupric Chloride Etch Solution
Case Number: Not reported

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0184499
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2018-05-30T01:12:24.000
Chemical Name: Potassium Carbonate
Common Name: DV-6600
Case Number: 584-08-7

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0184500
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2018-05-30T01:12:24.000
Chemical Name: Sodium Hydroxide
Common Name: G GRABBER W/DIMETHYLAMINE
Case Number: Not reported

HUGHES CIRCUITS INC (Continued) **1007200409**

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0184501
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2018-05-30T01:12:24.000
Chemical Name: HYDROGEN, COMPRESSED GAS
Common Name: HYDROGEN, COMPRESSED GAS
Case Number: 1333-74-0

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0184502
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2018-05-30T01:12:24.000
Chemical Name: Aluminum Sulfate
Common Name: GC-133
Case Number: 10043-01-3

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0184503
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2018-05-30T01:12:24.000
Chemical Name: OXYGEN GAS
Common Name: OXYGEN GAS
Case Number: 7782-44-7

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0184504
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2018-05-30T01:12:24.000
Chemical Name: Polyglycol
Common Name: AF-1864
Case Number: Not reported

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0184505
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2018-05-30T01:12:24.000
Chemical Name: Monoethenolamine
Common Name: FS-72/OL (Resist Stripper solution)
Case Number: 141-43-5

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed

HUGHES CIRCUITS INC (Continued) **1007200409**

Active Permit:	Y
Child Record Id:	DEH2018-HCHEM-0184506
Trade Secret:	N
Hazardous Material Type:	Pure
Last Updated:	2018-05-30T01:12:24.000
Chemical Name:	carbon tetrafluoride
Common Name:	Tetrafluoromethane
Case Number:	75-73-0
Record ID:	DEH2002-HUPFP-124147
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2018-HCHEM-0184507
Trade Secret:	N
Hazardous Material Type:	Mixture
Last Updated:	2018-05-30T01:12:24.000
Chemical Name:	Nitric acid
Common Name:	Tank 81 - Tin Lead Stripper Solution
Case Number:	7697-37-2
Record ID:	DEH2002-HUPFP-124147
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2018-HCHEM-0184508
Trade Secret:	N
Hazardous Material Type:	Mixture
Last Updated:	2018-05-30T01:12:24.000
Chemical Name:	Not reported
Common Name:	Tank 01,02,06,07 - Copper Plating
Case Number:	Not reported
Record ID:	DEH2002-HUPFP-124147
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2018-HCHEM-0184509
Trade Secret:	N
Hazardous Material Type:	Mixture
Last Updated:	2018-05-30T01:12:24.000
Chemical Name:	tin(II) methanesulphonate
Common Name:	Tank 14 - Immersion Tin Plating Solution
Case Number:	Not reported
Record ID:	DEH2002-HUPFP-124147
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2018-HCHEM-0184510
Trade Secret:	N
Hazardous Material Type:	Mixture
Last Updated:	2018-05-30T01:12:24.000
Chemical Name:	Not reported
Common Name:	Tank 12 - Electro Tin Plating
Case Number:	Not reported
Record ID:	DEH2002-HUPFP-124147
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2018-HCHEM-0184511

HUGHES CIRCUITS INC (Continued) **1007200409**

Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2018-05-30T01:12:24.000
Chemical Name: Not reported
Common Name: Tank 13 -Tin/ Lead Plating Solution
Case Number: Not reported

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0184512
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2018-05-30T01:12:24.000
Chemical Name: Technic Nickel Sulfamate
Common Name: Tank 29 - Nickel Plating Solution
Case Number: Not reported

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0184513
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2018-05-30T01:12:24.000
Chemical Name: Not reported
Common Name: Tanks 09,17,25,46,52,124 - Micro Etch(Surface preperation)
Case Number: Not reported

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0184514
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2018-05-30T01:12:24.000
Chemical Name: Not reported
Common Name: Tank 73,86,87 - Copper Etch (Surface preperation)
Case Number: Not reported

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0184515
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2018-05-30T01:12:24.000
Chemical Name: Ammonium Chloride
Common Name: Tank 107 - Ammoniated Alkaline Etch Solution
Case Number: 12125-02-9

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0184516
Trade Secret: N
Hazardous Material Type: Mixture

HUGHES CIRCUITS INC (Continued) **1007200409**

Last Updated: 2018-05-30T01:12:24.000
Chemical Name: Potassium carbonate
Common Name: Tank 109, 111- Developer (Baking Soda)
Case Number: 584-08-7

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HWAST-0158994
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2018-05-30T01:12:25.000
Chemical Name: Not reported
Common Name: UN3264 RQ, WASTE CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S., (Cupric chloride, hydrochlo
Case Number: Not reported

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HWAST-0158995
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2018-05-30T01:12:25.000
Chemical Name: Polyglycol
Common Name: AF-1864
Case Number: Not reported

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HWAST-0158996
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2018-05-30T01:12:25.000
Chemical Name: Not reported
Common Name: UN2922, WASTE CORROSIVE LIQUIDS, TOXIC, N.O.S. (NITRIC ACID, LEAD), 8, PGII, ERG#154
Case Number: Not reported

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HWAST-0158997
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2018-05-30T01:12:25.000
Chemical Name: Not reported
Common Name: W-Cu Plating Solution
Case Number: Not reported

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HWAST-0158998
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2018-05-30T01:12:25.000
Chemical Name: Not reported

HUGHES CIRCUITS INC (Continued) **1007200409**

Common Name: UN3265, WASTE Corrosive liquid, acidic, organic, n.o.s. (METHANESULFONIC ACID), 8, III, ERG 153
Case Number: Not reported

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HWAST-0158999
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2018-05-30T01:12:25.000
Chemical Name: Not reported
Common Name: RQ UN3266 WASTE CORROSIVE LIQUID, BASIC, INORGANIC, N.O.S., (COPPER TETRAMINE DIC
Case Number: Not reported

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HWAST-0159000
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2018-05-30T01:12:25.000
Chemical Name: Not reported
Common Name: NA3077, HAZARDOUS WASTE, SOLID, n.o.s., (LEAD), 9, PGIII, 33-21154 FILTERS WITH TIN LEAD,
Case Number: Not reported

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HWAST-0159001
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2018-05-30T01:12:25.000
Chemical Name: Soluble Oil.
Common Name: NON-RCRA HAZARDOUS WASTE, LIQUID, (CUTTING FLUID), 33-25984 CUTTING FLUID, USE - 07
Case Number: Not reported

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HWAST-0159002
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2018-05-30T01:12:25.000
Chemical Name: Not reported
Common Name: NON-RCRA HAZARDOUS WASTE, LIQUID, (ELECTROLESS NICKEL), 33-21151 ELECTROLESS NI
Case Number: Not reported

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HWAST-0159003
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2018-05-30T01:12:25.000
Chemical Name: Not reported
Common Name: RQ UN1588, WASTE CYANIDE INORGANIC, n.o.s., (GOLD FILTERS), 6.1, PGIII (F008)
Case Number: Not reported

HUGHES CIRCUITS INC (Continued) **1007200409**

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HWAST-0159004
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2018-05-30T01:12:25.000
Chemical Name: Not reported
Common Name: RQ UN1935, WASTE CYANIDE SOLUTION, n.o.s., (GOLD PLATE SOLUTION), 6.1, PGII (F007)
Case Number: Not reported

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HWAST-0159005
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2018-05-30T01:12:25.000
Chemical Name: Not reported
Common Name: RQ, NA3077, HAZARDOUS WASTE, SOLID, n.o.s., (F006), 9, PGIII
Case Number: Not reported

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HWAST-0159006
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2018-05-30T01:12:25.000
Chemical Name: Not reported
Common Name: UN1993, WASTE FLAMMABLE LIQUIDS, n.o.s. (1-METHOEY-2-PROPANOL ACETATE), 3, PGIII, RQ
Case Number: Not reported

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HWAST-0159007
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2018-05-30T01:12:25.000
Chemical Name: Not reported
Common Name: UN3264, WASTE CORROSIVE LIQUID, ACIDIC, INORGANIC, n.o.s. (HYDROFLUORIC ACID), 8, PGI
Case Number: Not reported

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HWAST-0159008
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2018-05-30T01:12:25.000
Chemical Name: Not reported
Common Name: UN3288, WASTE TOXIC SOLID, INORGANIC, n.o.s. (LEAD), 6.1, PGII, RQ (LEAD), 3323670 SOLDER
Case Number: Not reported

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed

HUGHES CIRCUITS INC (Continued) **1007200409**

Active Permit: Y
Child Record Id: DEH2018-HWAST-0159009
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2018-05-30T01:12:25.000
Chemical Name: Not reported
Common Name: WASTE TREATMENT - ACCUMULATION TANK (ION EXCHANGE)
Case Number: Not reported

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HWAST-0159010
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2018-05-30T01:12:25.000
Chemical Name: Not reported
Common Name: WASTE TREATMENT - ACCUMULATION TANK (MAIN)
Case Number: Not reported

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HCHEM-0266813
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2020-06-16T02:32:58.000
Chemical Name: OXYGEN GAS
Common Name: OXYGEN GAS
Case Number: 7782-44-7

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HCHEM-0266818
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2020-06-16T02:32:58.000
Chemical Name: Not reported
Common Name: Tank 01,02,06,07 - Copper Plating
Case Number: Not reported

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HWAST-0237254
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2020-06-16T02:32:58.000
Chemical Name: Not reported
Common Name: WASTE TREATMENT - ACCUMULATION TANK (ION EXCHANGE)
Case Number: Not reported

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HCHEM-0269790

HUGHES CIRCUITS INC (Continued) **1007200409**

Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2021-03-16T01:36:45.000
Chemical Name: carbon tetrafluoride
Common Name: Tetrafluoromethane
Case Number: 75-73-0

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HCHEM-0269791
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2021-03-16T01:36:45.000
Chemical Name: Nitric acid
Common Name: Tank 81 - Tin Lead Stripper Solution
Case Number: 7697-37-2

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HCHEM-0269792
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2021-03-16T01:36:45.000
Chemical Name: Not reported
Common Name: Tank 01,02,06,07 - Copper Plating
Case Number: Not reported

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HCHEM-0269793
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2021-03-16T01:36:45.000
Chemical Name: tin(II) methanesulphonate
Common Name: Tank 14 - Immersion Tin Plating Solution
Case Number: Not reported

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HCHEM-0269794
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2021-03-16T01:36:45.000
Chemical Name: Not reported
Common Name: Tank 12 - Electro Tin Plating
Case Number: Not reported

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HCHEM-0269795
Trade Secret: N
Hazardous Material Type: Mixture

HUGHES CIRCUITS INC (Continued) **1007200409**

Last Updated: 2021-03-16T01:36:45.000
Chemical Name: Not reported
Common Name: Tank 13 -Tin/ Lead Plating Solution
Case Number: Not reported

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HCHEM-0269796
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2021-03-16T01:36:45.000
Chemical Name: Technic Nickel Sulfamate
Common Name: Tank 29 - Nickel Plating Solution
Case Number: Not reported

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HCHEM-0269797
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2021-03-16T01:36:45.000
Chemical Name: Not reported
Common Name: Tanks 09,17,25,46,52,124 - Micro Etch(Surface preperation)
Case Number: Not reported

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HCHEM-0269798
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2021-03-16T01:36:45.000
Chemical Name: Not reported
Common Name: Tank 73,86,87 - Copper Etch (Surface preperation)
Case Number: Not reported

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HCHEM-0269799
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2021-03-16T01:36:45.000
Chemical Name: Ammonium Chloride
Common Name: Tank 107 - Ammoniated Alkaline Etch Solution
Case Number: 12125-02-9

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HCHEM-0269800
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2021-03-16T01:36:45.000
Chemical Name: Potassium carbonate

HUGHES CIRCUITS INC (Continued) **1007200409**

Common Name: Tank 109, 111- Developer (Baking Soda)
Case Number: 584-08-7

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HCHEM-0269801
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2021-03-16T01:36:45.000
Chemical Name: UN1760 WASTE CORROSIVE LIQUID, ORGANIC, N.O.S. (Ethylenediamine), B, PGII
Common Name: UN1760 WASTE CORROSIVE LIQUID, ORGANIC, N.O.S. (Ethylenediamine), B, PGII
Case Number: 107-15-3

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HCHEM-0269802
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2021-03-16T01:36:45.000
Chemical Name: Nitrogen, Liquid
Common Name: Nitrogen, Liquid
Case Number: 7727-37-9

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HWAST-0239921
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2021-03-16T01:36:45.000
Chemical Name: Not reported
Common Name: UN3264 RQ, WASTE CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S., (Cupric chloride, hydrochlor
Case Number: Not reported

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HWAST-0239923
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2021-03-16T01:36:45.000
Chemical Name: Not reported
Common Name: UN2922, WASTE CORROSIVE LIQUIDS, TOXIC, N.O.S. (NITRIC ACID, LEAD), 8, PGII, ERG#154
Case Number: Not reported

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HWAST-0239924
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2021-03-16T01:36:45.000
Chemical Name: Not reported
Common Name: W-Cu Plating Solution
Case Number: Not reported

HUGHES CIRCUITS INC (Continued) **1007200409**

Record ID:	DEH2002-HUPFP-124147
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2020-HWAST-0239925
Trade Secret:	N
Hazardous Material Type:	Not reported
Last Updated:	2021-03-16T01:36:45.000
Chemical Name:	Not reported
Common Name:	UN3265, WASTE Corrosive liquid, acidic, organic, n.o.s. (METHANESULFONIC ACID), 8, III, ERG 153
Case Number:	Not reported

Record ID:	DEH2002-HUPFP-124147
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2020-HWAST-0239929
Trade Secret:	N
Hazardous Material Type:	Not reported
Last Updated:	2021-03-16T01:36:45.000
Chemical Name:	Not reported
Common Name:	NON-RCRA HAZARDOUS WASTE, LIQUID, (ELECTROLESS NICKEL), 33-21151 ELECTROLESS NI
Case Number:	Not reported

Record ID:	DEH2002-HUPFP-124147
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2020-HWAST-0239930
Trade Secret:	N
Hazardous Material Type:	Not reported
Last Updated:	2021-03-16T01:36:45.000
Chemical Name:	Not reported
Common Name:	RQ UN1588, WASTE CYANIDE INORGANIC, n.o.s., (GOLD FILTERS), 6.1, PGIII (F008)
Case Number:	Not reported

Record ID:	DEH2002-HUPFP-124147
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2020-HWAST-0239931
Trade Secret:	N
Hazardous Material Type:	Not reported
Last Updated:	2021-03-16T01:36:45.000
Chemical Name:	Not reported
Common Name:	RQ UN1935, WASTE CYANIDE SOLUTION, n.o.s., (GOLD PLATE SOLUTION), 6.1, PGII (F007)
Case Number:	Not reported

Record ID:	DEH2002-HUPFP-124147
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2020-HWAST-0239932
Trade Secret:	N
Hazardous Material Type:	Not reported
Last Updated:	2021-03-16T01:36:45.000
Chemical Name:	Not reported
Common Name:	RQ, NA3077, HAZARDOUS WASTE, SOLID, n.o.s., (F006), 9, PGIII
Case Number:	Not reported

Record ID:	DEH2002-HUPFP-124147
Permit Status:	Permit Renewed

HUGHES CIRCUITS INC (Continued) **1007200409**

Active Permit: Y
Child Record Id: DEH2020-HWAST-0239933
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2021-03-16T01:36:45.000
Chemical Name: Not reported
Common Name: UN1993, WASTE FLAMMABLE LIQUIDS, n.o.s. (1-METHOEY-2-PROPANOL ACETATE), 3, PGIII, RQ
Case Number: Not reported

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HWAST-0239936
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2021-03-16T01:36:45.000
Chemical Name: Not reported
Common Name: WASTE TREATMENT - ACCUMULATION TANK (ION EXCHANGE)
Case Number: Not reported

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HWAST-0239937
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2021-03-16T01:36:45.000
Chemical Name: Not reported
Common Name: WASTE TREATMENT - ACCUMULATION TANK (MAIN)
Case Number: Not reported

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HWAST-0239938
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2021-03-16T01:36:45.000
Chemical Name: NON RCRA HAZARDOUS WASTE, LIQUID (AROMATIC HYDROCARBONS) 19-27644 HEAT TRANS
Common Name: NON RCRA HAZARDOUS WASTE, LIQUID (AROMATIC HYDROCARBONS) 19-27644 HEAT TRANS
Case Number: Not reported

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HWAST-0239939
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2021-03-16T01:36:45.000
Chemical Name: NON RCRA HAZARDOUS WASTE, LIQUID (MIXED OILS) IB-33-31149
Common Name: NON RCRA HAZARDOUS WASTE, LIQUID (MIXED OILS) IB-33-31149
Case Number: Not reported

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HWAST-0239940

HUGHES CIRCUITS INC (Continued) **1007200409**

Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2021-03-16T01:36:45.000
Chemical Name: NON RCRA HAZARDOUS WASTE, SOLID (RAGS AND DEBRIS) IB-33-26706
Common Name: NON RCRA HAZARDOUS WASTE, SOLID (RAGS AND DEBRIS) IB-33-26706
Case Number: Not reported

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HWAST-0239942
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2021-03-16T01:36:45.000
Chemical Name: IB-C303-0192 NON-CONDUCTIVE PASTE NA3082 HAZARDOUS WASTE, LIQUID, N.O.S. (D005), 9,
Common Name: NON-CONDUCTIVE PASTE
Case Number: Not reported

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HCHEM-0269780
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2021-03-16T01:36:45.000
Chemical Name: Sodium Chlorate Sol.
Common Name: CU OX 1625 W/SODIUM CHLORATE
Case Number: 7775-09-9

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HCHEM-0269781
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2021-03-16T01:36:45.000
Chemical Name: Hydrochloric Acid
Common Name: MURIATIC ACID
Case Number: 7647-01-0

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HCHEM-0269782
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2021-03-16T01:36:45.000
Chemical Name: Tank 76 - Cupric Chloride Etch Solution
Common Name: Tank 76 - Cupric Chloride Etch Solution
Case Number: Not reported

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HCHEM-0269783
Trade Secret: N
Hazardous Material Type: Pure

HUGHES CIRCUITS INC (Continued) **1007200409**

Last Updated: 2021-03-16T01:36:45.000
Chemical Name: Potassium Carbonate
Common Name: DV-6600
Case Number: 584-08-7

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HCHEM-0269786
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2021-03-16T01:36:45.000
Chemical Name: Aluminum Sulfate
Common Name: GC-133
Case Number: 10043-01-3

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HCHEM-0269787
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2021-03-16T01:36:45.000
Chemical Name: OXYGEN GAS
Common Name: OXYGEN GAS
Case Number: 7782-44-7

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HCHEM-0269788
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2021-03-16T01:36:45.000
Chemical Name: Polyglycol
Common Name: AF-1864
Case Number: Not reported

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HCHEM-0269789
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2021-03-16T01:36:45.000
Chemical Name: Monoethenolamine
Common Name: FS-72/OL (Resist Stripper solution)
Case Number: 141-43-5

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HCHEM-0269784
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2021-03-16T01:36:45.000
Chemical Name: Sodium Hydroxide

HUGHES CIRCUITS INC (Continued) **1007200409**

Common Name: G GRABBER W/DIMETHYLAMINE
Case Number: Not reported

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HCHEM-0269785
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2021-03-16T01:36:45.000
Chemical Name: HYDROGEN, COMPRESSED GAS
Common Name: HYDROGEN, COMPRESSED GAS
Case Number: 1333-74-0

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HWAST-0239927
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2021-03-16T01:36:45.000
Chemical Name: Not reported
Common Name: NA3077, HAZARDOUS WASTE, SOLID, n.o.s., (LEAD), 9, PGIII, 33-21154 FILTERS WITH TIN LEAD,
Case Number: Not reported

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HWAST-0239928
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2021-03-16T01:36:45.000
Chemical Name: Soluble Oil.
Common Name: NON-RCRA HAZARDOUS WASTE, LIQUID, (CUTTING FLUID), 33-25984 CUTTING FLUID, USE - 07
Case Number: Not reported

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HWAST-0239926
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2021-03-16T01:36:45.000
Chemical Name: Not reported
Common Name: RQ UN3266 WASTE CORROSIVE LIQUID, BASIC, INORGANIC, N.O.S., (COPPER TETRAMINE DIC
Case Number: Not reported

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HWAST-0239934
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2021-03-16T01:36:45.000
Chemical Name: Not reported
Common Name: UN3264, WASTE CORROSIVE LIQUID, ACIDIC, INORGANIC, n.o.s. (HYDROFLUORIC ACID), 8, PGI
Case Number: Not reported

HUGHES CIRCUITS INC (Continued) **1007200409**

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HWAST-0239935
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2021-03-16T01:36:45.000
Chemical Name: Not reported
Common Name: UN3288, WASTE TOXIC SOLID, INORGANIC, n.o.s. (LEAD), 6.1, PGII, RQ (LEAD), 3323670 SOLDER
Case Number: Not reported

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HWAST-0239941
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2021-03-16T01:36:45.000
Chemical Name: UN1950, AEROSOLS, 2.1 IB-305-1145
Common Name: UN1950, AEROSOLS, 2.1 IB-305-1145
Case Number: Not reported

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2021-HCHEM-0295981
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2021-10-14T00:46:50.000
Chemical Name: Hydrochloric Acid
Common Name: MURIATIC ACID
Case Number: 7647-01-0

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2019-HCHEM-0218621
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2019-12-04T01:02:14.000
Chemical Name: Potassium Carbonate
Common Name: DV-6600
Case Number: 584-08-7

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2019-HCHEM-0218622
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2019-12-04T01:02:14.000
Chemical Name: Sodium Hydroxide
Common Name: G GRABBER W/DIMETHYLAMINE
Case Number: Not reported

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed

HUGHES CIRCUITS INC (Continued) **1007200409**

Active Permit: Y
Child Record Id: DEH2019-HCHEM-0218623
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2019-12-04T01:02:14.000
Chemical Name: HYDROGEN, COMPRESSED GAS
Common Name: HYDROGEN, COMPRESSED GAS
Case Number: 1333-74-0

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2019-HCHEM-0218624
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2019-12-04T01:02:14.000
Chemical Name: Aluminum Sulfate
Common Name: GC-133
Case Number: 10043-01-3

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2019-HCHEM-0218628
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2019-12-04T01:02:14.000
Chemical Name: carbon tetrafluoride
Common Name: Tetrafluoromethane
Case Number: 75-73-0

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2019-HCHEM-0218629
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2019-12-04T01:02:14.000
Chemical Name: Nitric acid
Common Name: Tank 81 - Tin Lead Stripper Solution
Case Number: 7697-37-2

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2019-HCHEM-0218630
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2019-12-04T01:02:14.000
Chemical Name: Not reported
Common Name: Tank 01,02,06,07 - Copper Plating
Case Number: Not reported

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2019-HCHEM-0218631

HUGHES CIRCUITS INC (Continued) **1007200409**

Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2019-12-04T01:02:14.000
Chemical Name: tin(II) methanesulphonate
Common Name: Tank 14 - Immersion Tin Plating Solution
Case Number: Not reported

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2019-HCHEM-0218632
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2019-12-04T01:02:14.000
Chemical Name: Not reported
Common Name: Tank 12 - Electro Tin Plating
Case Number: Not reported

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2019-HCHEM-0218635
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2019-12-04T01:02:14.000
Chemical Name: Not reported
Common Name: Tanks 09,17,25,46,52,124 - Micro Etch(Surface preperation)
Case Number: Not reported

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2019-HCHEM-0218636
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2019-12-04T01:02:14.000
Chemical Name: Not reported
Common Name: Tank 73,86,87 - Copper Etch (Surface preperation)
Case Number: Not reported

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2019-HCHEM-0218637
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2019-12-04T01:02:14.000
Chemical Name: Ammonium Chloride
Common Name: Tank 107 - Ammoniated Alkaline Etch Solution
Case Number: 12125-02-9

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2019-HCHEM-0218638
Trade Secret: N
Hazardous Material Type: Mixture

HUGHES CIRCUITS INC (Continued) **1007200409**

Last Updated:	2019-12-04T01:02:14.000
Chemical Name:	Potassium carbonate
Common Name:	Tank 109, 111- Developer (Baking Soda)
Case Number:	584-08-7
Record ID:	DEH2002-HUPFP-124147
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2019-HCHEM-0218639
Trade Secret:	N
Hazardous Material Type:	Mixture
Last Updated:	2019-12-04T01:02:14.000
Chemical Name:	UN1760 WASTE CORROSIVE LIQUID, ORGANIC, N.O.S. (Ethylenediamine), B, PGII
Common Name:	UN1760 WASTE CORROSIVE LIQUID, ORGANIC, N.O.S. (Ethylenediamine), B, PGII
Case Number:	107-15-3
Record ID:	DEH2002-HUPFP-124147
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2019-HWAST-0188247
Trade Secret:	N
Hazardous Material Type:	Not reported
Last Updated:	2019-12-04T01:02:16.000
Chemical Name:	Not reported
Common Name:	UN3264 RQ, WASTE CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S., (Cupric chloride, hydrochlo
Case Number:	Not reported
Record ID:	DEH2002-HUPFP-124147
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2019-HWAST-0188248
Trade Secret:	N
Hazardous Material Type:	Not reported
Last Updated:	2019-12-04T01:02:16.000
Chemical Name:	Polyglycol
Common Name:	AF-1864
Case Number:	Not reported
Record ID:	DEH2002-HUPFP-124147
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2019-HWAST-0188249
Trade Secret:	N
Hazardous Material Type:	Not reported
Last Updated:	2019-12-04T01:02:16.000
Chemical Name:	Not reported
Common Name:	UN2922, WASTE CORROSIVE LIQUIDS, TOXIC, N.O.S. (NITRIC ACID, LEAD), 8, PGII, ERG#154
Case Number:	Not reported
Record ID:	DEH2002-HUPFP-124147
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2019-HWAST-0188250
Trade Secret:	N
Hazardous Material Type:	Not reported
Last Updated:	2019-12-04T01:02:16.000
Chemical Name:	Not reported

HUGHES CIRCUITS INC (Continued) **1007200409**

Common Name: W-Cu Plating Solution
Case Number: Not reported

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2019-HWAST-0188256
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2019-12-04T01:02:16.000
Chemical Name: Not reported
Common Name: RQ UN1588, WASTE CYANIDE INORGANIC, n.o.s., (GOLD FILTERS), 6.1, PGIII (F008)
Case Number: Not reported

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2019-HWAST-0188257
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2019-12-04T01:02:16.000
Chemical Name: Not reported
Common Name: RQ UN1935, WASTE CYANIDE SOLUTION, n.o.s., (GOLD PLATE SOLUTION), 6.1, PGII (F007)
Case Number: Not reported

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2019-HWAST-0188262
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2019-12-04T01:02:16.000
Chemical Name: Not reported
Common Name: WASTE TREATMENT - ACCUMULATION TANK (ION EXCHANGE)
Case Number: Not reported

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2019-HWAST-0188263
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2019-12-04T01:02:16.000
Chemical Name: Not reported
Common Name: WASTE TREATMENT - ACCUMULATION TANK (MAIN)
Case Number: Not reported

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2019-HWAST-0188264
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2019-12-04T01:02:16.000
Chemical Name: NON RCRA HAZARDOUS WASTE, LIQUID (AROMATIC HYDROCARBONS) 19-27644 HEAT TRANS
Common Name: NON RCRA HAZARDOUS WASTE, LIQUID (AROMATIC HYDROCARBONS) 19-27644 HEAT TRANS
Case Number: Not reported

HUGHES CIRCUITS INC (Continued) **1007200409**

Record ID:	DEH2002-HUPFP-124147
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2019-HWAST-0188265
Trade Secret:	N
Hazardous Material Type:	Not reported
Last Updated:	2019-12-04T01:02:16.000
Chemical Name:	NON RCRA HAZARDOUS WASTE, LIQUID (MIXED OILS) IB-33-31149
Common Name:	NON RCRA HAZARDOUS WASTE, LIQUID (MIXED OILS) IB-33-31149
Case Number:	Not reported

Record ID:	DEH2002-HUPFP-124147
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2019-HWAST-0188266
Trade Secret:	N
Hazardous Material Type:	Not reported
Last Updated:	2019-12-04T01:02:16.000
Chemical Name:	NON RCRA HAZARDOUS WASTE, SOLID (RAGS AND DEBRIS) IB-33-26706
Common Name:	NON RCRA HAZARDOUS WASTE, SOLID (RAGS AND DEBRIS) IB-33-26706
Case Number:	Not reported

Record ID:	DEH2002-HUPFP-124147
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2020-HCHEM-0242429
Trade Secret:	N
Hazardous Material Type:	Mixture
Last Updated:	2020-01-10T01:14:28.000
Chemical Name:	Tank 76 - Cupric Chloride Etch Solution
Common Name:	Tank 76 - Cupric Chloride Etch Solution
Case Number:	Not reported

Record ID:	DEH2002-HUPFP-124147
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2020-HCHEM-0242430
Trade Secret:	N
Hazardous Material Type:	Pure
Last Updated:	2020-01-10T01:14:28.000
Chemical Name:	Potassium Carbonate
Common Name:	DV-6600
Case Number:	584-08-7

Record ID:	DEH2002-HUPFP-124147
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2018-HWAST-0151826
Trade Secret:	N
Hazardous Material Type:	Not reported
Last Updated:	2018-04-10T11:28:49.000
Chemical Name:	Not reported
Common Name:	UN3288, WASTE TOXIC SOLID, INORGANIC, n.o.s. (LEAD), 6.1, PGII, RQ (LEAD), 3323670 SOLDER
Case Number:	Not reported

Record ID:	DEH2002-HUPFP-124147
Permit Status:	Permit Renewed

HUGHES CIRCUITS INC (Continued) **1007200409**

Active Permit: Y
Child Record Id: DEH2018-HWAST-0151827
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2018-04-10T11:28:49.000
Chemical Name: Not reported
Common Name: WASTE TREATMENT - ACCUMULATION TANK (ION EXCHANGE)
Case Number: Not reported

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HWAST-0151828
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2018-04-10T11:28:49.000
Chemical Name: Not reported
Common Name: WASTE TREATMENT - ACCUMULATION TANK (MAIN)
Case Number: Not reported

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0165148
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2018-01-03T05:31:24.000
Chemical Name: Not reported
Common Name: CU OX 1625 W/SODIUM CHLORATE
Case Number: Not reported

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0165149
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2018-01-03T05:31:24.000
Chemical Name: Not reported
Common Name: DEVELOPER, 45-50%
Case Number: Not reported

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0165150
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2018-01-03T05:31:24.000
Chemical Name: Not reported
Common Name: G GRABBER W/DIMETHYLAMINE
Case Number: Not reported

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0165151

HUGHES CIRCUITS INC (Continued) **1007200409**

Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2018-01-03T05:31:24.000
Chemical Name: HYDROGEN, COMPRESSED GAS
Common Name: HYDROGEN, COMPRESSED GAS
Case Number: 1333-74-0

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0165152
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2018-01-03T05:31:24.000
Chemical Name: Not reported
Common Name: GC-133
Case Number: Not reported

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0165153
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2018-01-03T05:31:24.000
Chemical Name: Not reported
Common Name: MURIATIC ACID
Case Number: Not reported

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0165154
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2018-01-03T05:31:24.000
Chemical Name: OXYGEN GAS
Common Name: OXYGEN GAS
Case Number: 7782-44-7

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0165155
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2018-01-03T05:31:24.000
Chemical Name: Not reported
Common Name: REPLENISHER
Case Number: Not reported

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0165156
Trade Secret: N
Hazardous Material Type: Mixture

HUGHES CIRCUITS INC (Continued) **1007200409**

Last Updated: 2018-01-03T05:31:24.000
Chemical Name: Not reported
Common Name: SOLDER OIL, HSL
Case Number: Not reported

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0165157
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2018-01-03T05:31:24.000
Chemical Name: Not reported
Common Name: FS-72/OL (Resist Stripper solution)
Case Number: Not reported

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0165158
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2018-01-03T05:31:24.000
Chemical Name: Trifluoromethane GAS
Common Name: Trifluoromethane GAS
Case Number: 75-46-7

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0165159
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2018-01-03T05:31:24.000
Chemical Name: Not reported
Common Name: TSN 3000
Case Number: Not reported

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0165160
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2018-01-03T05:31:24.000
Chemical Name: Not reported
Common Name: Tank 01 - Copper Plating
Case Number: Not reported

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0165161
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2018-01-03T05:31:24.000
Chemical Name: Not reported

HUGHES CIRCUITS INC (Continued) **1007200409**

Common Name: Tank 02 - Immersion Tin Plating Solution
Case Number: Not reported

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0165162
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2018-01-03T05:31:24.000
Chemical Name: Not reported
Common Name: Tank 03 - Copper Plating
Case Number: Not reported

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0165163
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2018-01-03T05:31:24.000
Chemical Name: Not reported
Common Name: Tank 04 - Copper Plating
Case Number: Not reported

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0165164
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2018-01-03T05:31:24.000
Chemical Name: Not reported
Common Name: Tank 05 - Copper Plating
Case Number: Not reported

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0165165
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2018-01-03T05:31:24.000
Chemical Name: Not reported
Common Name: Tank 06 - Electro Tin Plating
Case Number: Not reported

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0165166
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2018-01-03T05:31:24.000
Chemical Name: Not reported
Common Name: Tank 07 - Lead Plating Solution
Case Number: Not reported

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Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0165167
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2018-01-03T05:31:24.000
Chemical Name: Technic Nickel Sulfamate
Common Name: Tank 11 - Nickel Plating Solution
Case Number: Not reported

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0165168
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2018-01-03T05:31:24.000
Chemical Name: Not reported
Common Name: Tank 13 - Micro Etch Solution
Case Number: Not reported

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0165169
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2018-01-03T05:31:24.000
Chemical Name: Not reported
Common Name: Tank 14 - Chemical Clean (Micro Etch)
Case Number: Not reported

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0165170
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2018-01-03T05:31:24.000
Chemical Name: Not reported
Common Name: Tank 15 - Developer (Baking Soda)
Case Number: Not reported

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0165171
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2018-01-03T05:31:24.000
Chemical Name: Not reported
Common Name: Tank 16 - Ammoniated Alkaline Etch Solution
Case Number: Not reported

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed

HUGHES CIRCUITS INC (Continued) **1007200409**

Active Permit: Y
Child Record Id: DEH2018-HCHEM-0165172
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2018-01-03T05:31:24.000
Chemical Name: Not reported
Common Name: Tank 17 - Developer (Baking Soda)
Case Number: Not reported

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0165173
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2018-01-03T05:31:24.000
Chemical Name: Not reported
Common Name: Tank 20 - Cobra Bond Pre Dip
Case Number: Not reported

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0165174
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2018-01-03T05:31:24.000
Chemical Name: Not reported
Common Name: Tank 21 - Glibrite Chemical
Case Number: Not reported

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0165175
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2018-01-03T05:31:24.000
Chemical Name: Not reported
Common Name: Tank 22 - Resist Strip and Filter
Case Number: Not reported

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0165176
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2018-01-03T05:31:24.000
Chemical Name: Not reported
Common Name: Tank 23 - Soder Mask Stripper (Machine)
Case Number: Not reported

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0165177

HUGHES CIRCUITS INC (Continued) **1007200409**

Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2018-01-03T05:31:24.000
Chemical Name: Not reported
Common Name: Tank 24 - Tin Lead Stripper Solution
Case Number: Not reported

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0165178
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2018-01-03T05:31:24.000
Chemical Name: Not reported
Common Name: Tank 25 - Cupric Chloride Etch Solution
Case Number: Not reported

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HWAST-0140454
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2018-01-03T05:31:24.000
Chemical Name: Not reported
Common Name: NA3077, HAZARDOUS WASTE, SOLID, n.o.s., (LEAD), 9, PGIII, 33-21154 FILTERS WITH TIN LEAD,
Case Number: Not reported

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HWAST-0140455
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2018-01-03T05:31:24.000
Chemical Name: Not reported
Common Name: NON-RCRA HAZARDOUS WASTE, LIQUID, (CUTTING FLUID), 33-25984 CUTTING FLUID, USE - 07
Case Number: Not reported

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HWAST-0140456
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2018-01-03T05:31:24.000
Chemical Name: Not reported
Common Name: NON-RCRA HAZARDOUS WASTE, LIQUID, (ELECTROLESS NICKEL), 33-21151 ELECTROLESS NI
Case Number: Not reported

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HWAST-0140457
Trade Secret: N
Hazardous Material Type: Not reported

HUGHES CIRCUITS INC (Continued) **1007200409**

Last Updated: 2018-01-03T05:31:24.000
Chemical Name: Not reported
Common Name: NON-RCRA HAZARDOUS WASTE, LIQUID, (PUMICE WITH COPPER), 33-21152 PUMICE WITH CO
Case Number: Not reported

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HWAST-0140458
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2018-01-03T05:31:24.000
Chemical Name: Not reported
Common Name: NON-RCRA HAZARDOUS WASTE, LIQUID, 33-23671 SOLDER MASK AND INK, USE - 070131570-5
Case Number: Not reported

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HWAST-0140459
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2018-01-03T05:31:24.000
Chemical Name: Not reported
Common Name: RQ UN1588, WASTE CYANIDE INORGANIC, n.o.s., (GOLD FILTERS), 6.1, PGIII (F008)
Case Number: Not reported

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HWAST-0140460
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2018-01-03T05:31:24.000
Chemical Name: Not reported
Common Name: RQ UN1935, WASTE CYANIDE SOLUTION, n.o.s., (GOLD PLATE SOLUTION), 6.1, PGII (F007)
Case Number: Not reported

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HWAST-0140461
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2018-01-03T05:31:24.000
Chemical Name: Not reported
Common Name: RQ, NA3077, HAZARDOUS WASTE, SOLID, n.o.s., (F006), 9, PGIII
Case Number: Not reported

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HWAST-0140462
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2018-01-03T05:31:24.000
Chemical Name: Not reported

HUGHES CIRCUITS INC (Continued) **1007200409**

Common Name: UN1993, WASTE FLAMMABLE LIQUIDS, n.o.s. (1-METHOEY-2-PROPANOL ACETATE), 3, PGIII, RQ
Case Number: Not reported

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HWAST-0140463
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2018-01-03T05:31:24.000
Chemical Name: Not reported
Common Name: UN2922, WASTE CORROSIVE LIQUID, TOXIC. n.o.s., (NITRIC ACID, LEAD), 8 (6.1), PGII, 33-21295
Case Number: Not reported

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HWAST-0140464
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2018-01-03T05:31:24.000
Chemical Name: Not reported
Common Name: UN3179, WASTE FLAMMABLE SOLID, TOXIC, INORGANIC, n.o.s., (SODIUM NITROBENZOATE, PO
Case Number: Not reported

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HWAST-0140465
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2018-01-03T05:31:24.000
Chemical Name: Not reported
Common Name: UN3264, WASTE CORROSIVE LIQUID, ACIDIC, INORGANIC, n.o.s. (HYDROFLUORIC ACID), 8, PGI
Case Number: Not reported

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HWAST-0140466
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2018-01-03T05:31:24.000
Chemical Name: Not reported
Common Name: UN3264, WASTE CORROSIVE LIQUID, ACIDIC, INORGANIC, n.o.s. (SULFURIC ACID, COPPER SUL
Case Number: Not reported

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HWAST-0140467
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2018-01-03T05:31:24.000
Chemical Name: Not reported
Common Name: UN3266, WASTE CORROSIVE LIQUID, BASIC, INORGANIC, n.o.s., (COPPER TETRAAMINE DICHL
Case Number: Not reported

HUGHES CIRCUITS INC (Continued) **1007200409**

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HWAST-0140468
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2018-01-03T05:31:24.000
Chemical Name: Not reported
Common Name: UN3284, WASTE CORROSIVE LIQUID, ACIDIC, INORGANIC, n.o.s., (CUPRIC CHLORIDE, HYDROC
Case Number: Not reported

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HWAST-0140469
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2018-01-03T05:31:24.000
Chemical Name: Not reported
Common Name: UN3284, WASTE CORROSIVE LIQUID, ACIDIC, INORGANIC, n.o.s., (SULFURIC ACID, COPPER CH
Case Number: Not reported

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HWAST-0140470
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2018-01-03T05:31:24.000
Chemical Name: Not reported
Common Name: UN3288, WASTE TOXIC SOLID, INORGANIC, n.o.s. (LEAD), 6.1, PGII, RQ (LEAD), 3323670 SOLDER
Case Number: Not reported

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HWAST-0140471
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2018-01-03T05:31:24.000
Chemical Name: Not reported
Common Name: WASTE TREATMENT - ACCUMULATION TANK (ION EXCHANGE)
Case Number: Not reported

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HWAST-0140472
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2018-01-03T05:31:24.000
Chemical Name: Not reported
Common Name: WASTE TREATMENT - ACCUMULATION TANK (MAIN)
Case Number: Not reported

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed

HUGHES CIRCUITS INC (Continued) **1007200409**

Active Permit: Y
Child Record Id: DEH2020-HCHEM-0266810
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2020-06-16T02:32:58.000
Chemical Name: Sodium Hydroxide
Common Name: G GRABBER W/DIMETHYLAMINE
Case Number: Not reported

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HCHEM-0266815
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2020-06-16T02:32:58.000
Chemical Name: Monoethenolamine
Common Name: FS-72/OL (Resist Stripper solution)
Case Number: 141-43-5

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HCHEM-0266822
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2020-06-16T02:32:58.000
Chemical Name: Technic Nickel Sulfamate
Common Name: Tank 29 - Nickel Plating Solution
Case Number: Not reported

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HCHEM-0266824
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2020-06-16T02:32:58.000
Chemical Name: Not reported
Common Name: Tank 73,86,87 - Copper Etch (Surface preperation)
Case Number: Not reported

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HCHEM-0266825
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2020-06-16T02:32:58.000
Chemical Name: Ammonium Chloride
Common Name: Tank 107 - Ammoniated Alkaline Etch Solution
Case Number: 12125-02-9

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HWAST-0237240

HUGHES CIRCUITS INC (Continued) **1007200409**

Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2020-06-16T02:32:58.000
Chemical Name: Polyglycol
Common Name: AF-1864
Case Number: Not reported

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HWAST-0237244
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2020-06-16T02:32:58.000
Chemical Name: Not reported
Common Name: RQ UN3266 WASTE CORROSIVE LIQUID, BASIC, INORGANIC, N.O.S., (COPPER TETRAMINE DIC
Case Number: Not reported

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HWAST-0237247
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2020-06-16T02:32:58.000
Chemical Name: Not reported
Common Name: NON-RCRA HAZARDOUS WASTE, LIQUID, (ELECTROLESS NICKEL), 33-21151 ELECTROLESS NI
Case Number: Not reported

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HWAST-0237248
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2020-06-16T02:32:58.000
Chemical Name: Not reported
Common Name: RQ UN1588, WASTE CYANIDE INORGANIC, n.o.s., (GOLD FILTERS), 6.1, PGIII (F008)
Case Number: Not reported

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HWAST-0239922
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2021-03-16T01:36:45.000
Chemical Name: Polyglycol
Common Name: AF-1864
Case Number: Not reported

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2021-HCHEM-0295987
Trade Secret: N
Hazardous Material Type: Pure

HUGHES CIRCUITS INC (Continued) **1007200409**

Last Updated: 2021-10-14T00:46:50.000
Chemical Name: OXYGEN GAS
Common Name: OXYGEN GAS
Case Number: 7782-44-7

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2021-HWAST-0264225
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2021-10-14T00:46:51.000
Chemical Name: NON RCRA HAZARDOUS WASTE, SOLID (RAGS AND DEBRIS) IB-33-26706
Common Name: NON RCRA HAZARDOUS WASTE, SOLID (RAGS AND DEBRIS) IB-33-26706
Case Number: Not reported

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2021-HWAST-0264226
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2021-10-14T00:46:51.000
Chemical Name: UN1950, AEROSOLS, 2.1 IB-305-1145
Common Name: UN1950, AEROSOLS, 2.1 IB-305-1145
Case Number: Not reported

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2021-HWAST-0264227
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2021-10-14T00:46:51.000
Chemical Name: IB-C303-0192 NON-CONDUCTIVE PASTE NA3082 HAZARDOUS WASTE, LIQUID, N.O.S. (D005), 9,
Common Name: NON-CONDUCTIVE PASTE
Case Number: Not reported

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2021-HCHEM-0316028
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2021-12-24T13:06:12.000
Chemical Name: Sodium Chlorate Sol.
Common Name: CU OX 1625 W/SODIUM CHLORATE
Case Number: 7775-09-9

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2021-HCHEM-0316029
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2021-12-24T13:06:12.000
Chemical Name: Hydrochloric Acid

HUGHES CIRCUITS INC (Continued) **1007200409**

Common Name: MURIATIC ACID
Case Number: 7647-01-0

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2021-HCHEM-0316030
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2021-12-24T13:06:12.000
Chemical Name: Tank 76 - Cupric Chloride Etch Solution
Common Name: Tank 76 - Cupric Chloride Etch Solution
Case Number: Not reported

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2021-HCHEM-0316031
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2021-12-24T13:06:12.000
Chemical Name: Potassium Carbonate
Common Name: DV-6600
Case Number: 584-08-7

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2021-HCHEM-0316032
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2021-12-24T13:06:12.000
Chemical Name: Sodium Hydroxide
Common Name: DTC
Case Number: 1310-73-2

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2021-HCHEM-0316033
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2021-12-24T13:06:12.000
Chemical Name: HYDROGEN, COMPRESSED GAS
Common Name: HYDROGEN, COMPRESSED GAS
Case Number: 1333-74-0

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2021-HCHEM-0316034
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2021-12-24T13:06:12.000
Chemical Name: Aluminum Sulfate
Common Name: GC-133
Case Number: 10043-01-3

HUGHES CIRCUITS INC (Continued) **1007200409**

Record ID:	DEH2002-HUPFP-124147
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2021-HCHEM-0316035
Trade Secret:	N
Hazardous Material Type:	Pure
Last Updated:	2021-12-24T13:06:12.000
Chemical Name:	OXYGEN GAS
Common Name:	OXYGEN GAS
Case Number:	7782-44-7

Record ID:	DEH2002-HUPFP-124147
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2021-HCHEM-0316036
Trade Secret:	N
Hazardous Material Type:	Mixture
Last Updated:	2021-12-24T13:06:12.000
Chemical Name:	Polyglycol
Common Name:	AF-1864 Reflow Oil
Case Number:	Not reported

Record ID:	DEH2002-HUPFP-124147
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2021-HCHEM-0316037
Trade Secret:	N
Hazardous Material Type:	Mixture
Last Updated:	2021-12-24T13:06:12.000
Chemical Name:	Monoethenolamine
Common Name:	FS-72/OL (Resist Stripper solution)
Case Number:	141-43-5

Record ID:	DEH2002-HUPFP-124147
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2021-HCHEM-0316038
Trade Secret:	N
Hazardous Material Type:	Pure
Last Updated:	2021-12-24T13:06:12.000
Chemical Name:	carbon tetrafluoride
Common Name:	Tetrafluoromethane
Case Number:	75-73-0

Record ID:	DEH2002-HUPFP-124147
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2021-HCHEM-0316039
Trade Secret:	N
Hazardous Material Type:	Mixture
Last Updated:	2021-12-24T13:06:12.000
Chemical Name:	Nitric acid
Common Name:	Tank 81 and Stripper Solutions - Tin, Palladium, Gold, Lead Stripper Solutions
Case Number:	7697-37-2

Record ID:	DEH2002-HUPFP-124147
Permit Status:	Permit Renewed

HUGHES CIRCUITS INC (Continued) **1007200409**

Active Permit: Y
Child Record Id: DEH2021-HCHEM-0316040
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2021-12-24T13:06:12.000
Chemical Name: Not reported
Common Name: Tank 01,02,06,07 - Copper Plating
Case Number: Not reported

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2021-HCHEM-0316041
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2021-12-24T13:06:12.000
Chemical Name: tin(II) methanesulphonate
Common Name: Tank 14 - Immersion Tin Plating Solution
Case Number: 53408-94-9

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2021-HCHEM-0316042
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2021-12-24T13:06:12.000
Chemical Name: Not reported
Common Name: Tank 12 - Electro Tin Plating
Case Number: Not reported

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2021-HCHEM-0316043
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2021-12-24T13:06:12.000
Chemical Name: Not reported
Common Name: Tank 13 -Tin/ Lead Plating Solution
Case Number: Not reported

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2021-HCHEM-0316044
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2021-12-24T13:06:12.000
Chemical Name: Technic Nickel Sulfamate
Common Name: Tank 29 - Nickel Plating Solution
Case Number: Not reported

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2021-HCHEM-0316045

HUGHES CIRCUITS INC (Continued) **1007200409**

Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2021-12-24T13:06:12.000
Chemical Name: Not reported
Common Name: Tanks 09,17,25,46,52,124 - Micro Etch(Surface preperation)
Case Number: Not reported

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2021-HCHEM-0316046
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2021-12-24T13:06:12.000
Chemical Name: Not reported
Common Name: Glibrite/ C-Bond, Tank 73,86,87 - Copper Etch (Surface preparation)
Case Number: Not reported

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2021-HCHEM-0316047
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2021-12-24T13:06:12.000
Chemical Name: Ammonium Chloride
Common Name: Tank 107 - Ammoniated Alkaline Etch Solution
Case Number: 12125-02-9

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2021-HCHEM-0316048
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2021-12-24T13:06:12.000
Chemical Name: Potassium carbonate
Common Name: Tank 109, 111- Developer (Baking Soda)
Case Number: 584-08-7

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2021-HCHEM-0316049
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2021-12-24T13:06:12.000
Chemical Name: Nitrogen, Liquid
Common Name: Nitrogen, Liquid
Case Number: 7727-37-9

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2021-HCHEM-0316050
Trade Secret: N
Hazardous Material Type: Mixture

HUGHES CIRCUITS INC (Continued) **1007200409**

Last Updated: 2021-12-24T13:06:12.000
Chemical Name: Potassium aurocyanide
Common Name: Gold Cyanide Baths Tanks #'s 34, 35, 40 & 60
Case Number: 13967-50-5

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2021-HCHEM-0316051
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2021-12-24T13:06:12.000
Chemical Name: Sulfuric Acid
Common Name: Sulfuric Acid 50%
Case Number: 7664-93-9

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2021-HCHEM-0316052
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2021-12-24T13:06:12.000
Chemical Name: Sodium Hydroxide Solution 30 - 54%
Common Name: Caustic Soda 50%
Case Number: 1310-73-2

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2021-HCHEM-0316053
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2021-12-24T13:06:12.000
Chemical Name: Aluminum Sulfate
Common Name: Aluminum Sulfate
Case Number: 16828-12-9

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2021-HCHEM-0316054
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2021-12-24T13:06:12.000
Chemical Name: Barium sulfate
Common Name: Solder Mask Ink & Hardener
Case Number: 7727-43-7

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2021-HCHEM-0316055
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2021-12-24T13:06:12.000
Chemical Name: Hydrogen Peroxide 35-55%

HUGHES CIRCUITS INC (Continued) **1007200409**

Common Name: Hydrogen Peroxide/ Oxidizer 50
Case Number: 7722-84-1

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2021-HCHEM-0316056
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2021-12-24T13:06:12.000
Chemical Name: Not reported
Common Name: (COBRA BOND/GLIBRITE waste) UN2796, WASTE SULFURIC ACID, SOLUTION, 8, PG II, ERG 157
Case Number: Not reported

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2021-HCHEM-0316057
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2021-12-24T13:06:12.000
Chemical Name: Glycol ether PM acetate
Common Name: PMA
Case Number: 108-65-6

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2021-HCHEM-0316058
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2021-12-24T13:06:12.000
Chemical Name: Sodium Persulfate
Common Name: Cu Prep II/ Microetch 85/ Final Finish Surface Prep
Case Number: 7775-27-1

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2021-HCHEM-0316059
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2021-12-24T13:06:12.000
Chemical Name: Ammonium hydroxide
Common Name: AC-CU-Fine 9 Replenisher
Case Number: 1336-21-6

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2021-HWAST-0283164
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2021-12-24T13:06:12.000
Chemical Name: Not reported
Common Name: UN3264 RQ, WASTE CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S., (Cupric chloride, hydrochlor
Case Number: Not reported

HUGHES CIRCUITS INC (Continued) **1007200409**

Record ID:	DEH2002-HUPFP-124147
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2021-HWAST-0283165
Trade Secret:	N
Hazardous Material Type:	Not reported
Last Updated:	2021-12-24T13:06:12.000
Chemical Name:	Not reported
Common Name:	UN2922, WASTE CORROSIVE LIQUIDS, TOXIC, N.O.S. (NITRIC ACID, LEAD), 8, PGII, ERG#154
Case Number:	Not reported

Record ID:	DEH2002-HUPFP-124147
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2021-HWAST-0283166
Trade Secret:	N
Hazardous Material Type:	Not reported
Last Updated:	2021-12-24T13:06:12.000
Chemical Name:	Not reported
Common Name:	W-Cu Plating Solution
Case Number:	Not reported

Record ID:	DEH2002-HUPFP-124147
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2021-HWAST-0283167
Trade Secret:	N
Hazardous Material Type:	Not reported
Last Updated:	2021-12-24T13:06:12.000
Chemical Name:	Not reported
Common Name:	UN3265, WASTE Corrosive liquid, acidic, organic, n.o.s. (METHANESULFONIC ACID), 8, III, ERG 153
Case Number:	Not reported

Record ID:	DEH2002-HUPFP-124147
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2021-HWAST-0283168
Trade Secret:	N
Hazardous Material Type:	Not reported
Last Updated:	2021-12-24T13:06:12.000
Chemical Name:	Not reported
Common Name:	RQ UN3266 WASTE CORROSIVE LIQUID, BASIC, INORGANIC, N.O.S., (COPPER TETRAMINE DIC
Case Number:	Not reported

Record ID:	DEH2002-HUPFP-124147
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2021-HWAST-0283169
Trade Secret:	N
Hazardous Material Type:	Not reported
Last Updated:	2021-12-24T13:06:12.000
Chemical Name:	Not reported
Common Name:	NA3077, HAZARDOUS WASTE, SOLID, n.o.s., (LEAD), 9, PGIII, 33-21154 FILTERS WITH TIN LEAD,
Case Number:	Not reported

Record ID:	DEH2002-HUPFP-124147
Permit Status:	Permit Renewed

HUGHES CIRCUITS INC (Continued) **1007200409**

Active Permit: Y
Child Record Id: DEH2021-HWAST-0283170
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2021-12-24T13:06:12.000
Chemical Name: Soluble Oil.
Common Name: NON-RCRA HAZARDOUS WASTE, LIQUID, (CUTTING FLUID)
Case Number: Not reported

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2021-HWAST-0283171
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2021-12-24T13:06:12.000
Chemical Name: Nickel Sulfate
Common Name: NON-RCRA HAZARDOUS WASTE, LIQUID, (ELECTROLESS NICKEL),
Case Number: Not reported

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2021-HWAST-0283172
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2021-12-24T13:06:12.000
Chemical Name: Not reported
Common Name: RQ UN1588, WASTE CYANIDE INORGANIC, n.o.s., (GOLD FILTERS), 6.1, PGIII (F008)
Case Number: Not reported

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2021-HWAST-0283173
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2021-12-24T13:06:12.000
Chemical Name: Potassium aurocyanide
Common Name: RQ UN1935, WASTE CYANIDE SOLUTION, n.o.s., (GOLD PLATE SOLUTION), 6.1, PGII (F007)
Case Number: Not reported

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2021-HWAST-0283174
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2021-12-24T13:06:12.000
Chemical Name: Not reported
Common Name: RQ, NA3077, HAZARDOUS WASTE, SOLID, n.o.s., (F006), 9, PGIII
Case Number: Not reported

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2021-HWAST-0283175

HUGHES CIRCUITS INC (Continued) **1007200409**

Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2021-12-24T13:06:12.000
Chemical Name: Not reported
Common Name: UN1993, WASTE FLAMMABLE LIQUIDS, n.o.s. (1-METHOEY-2-PROPANOL ACETATE), 3, PGIII, RQ
Case Number: Not reported

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2021-HWAST-0283176
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2021-12-24T13:06:12.000
Chemical Name: Not reported
Common Name: UN3264, WASTE CORROSIVE LIQUID, ACIDIC, INORGANIC, n.o.s. (HYDROFLUORIC ACID), 8, PGI
Case Number: Not reported

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2021-HWAST-0283177
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2021-12-24T13:06:12.000
Chemical Name: Not reported
Common Name: UN3288, WASTE TOXIC SOLID, INORGANIC, n.o.s. (LEAD), 6.1, PGII, RQ (LEAD), 3323670 SOLDER
Case Number: Not reported

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2021-HWAST-0283178
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2021-12-24T13:06:12.000
Chemical Name: Not reported
Common Name: WASTE TREATMENT - ACCUMULATION TANK (MAIN)
Case Number: Not reported

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2021-HWAST-0283179
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2021-12-24T13:06:12.000
Chemical Name: NON RCRA HAZARDOUS WASTE, LIQUID (AROMATIC HYDROCARBONS) 19-27644 HEAT TRANS
Common Name: NON RCRA HAZARDOUS WASTE, LIQUID (AROMATIC HYDROCARBONS) 19-27644 HEAT TRANS
Case Number: Not reported

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2021-HWAST-0283180
Trade Secret: N
Hazardous Material Type: Not reported

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Last Updated: 2021-12-24T13:06:12.000
Chemical Name: NON RCRA HAZARDOUS WASTE, LIQUID (MIXED OILS) IB-33-31149
Common Name: NON RCRA HAZARDOUS WASTE, LIQUID (MIXED OILS) IB-33-31149
Case Number: Not reported

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2021-HWAST-0283181
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2021-12-24T13:06:12.000
Chemical Name: NON RCRA HAZARDOUS WASTE, SOLID (RAGS AND DEBRIS) IB-33-26706
Common Name: NON RCRA HAZARDOUS WASTE, SOLID (RAGS AND DEBRIS) IB-33-26706
Case Number: Not reported

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2021-HWAST-0283182
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2021-12-24T13:06:12.000
Chemical Name: UN1760 WASTE CORROSIVE LIQUID, ORGANIC, N.O.S. (Ethylenediamine), B, PGII
Common Name: UN1760 WASTE CORROSIVE LIQUID, ORGANIC, N.O.S. (Ethylenediamine), B, PGII
Case Number: Not reported

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2021-HWAST-0283183
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2021-12-24T13:06:12.000
Chemical Name: UN1950, AEROSOLS, 2.1 IB-305-1145
Common Name: UN1950, AEROSOLS, 2.1 IB-305-1145
Case Number: Not reported

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2021-HWAST-0283184
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2021-12-24T13:06:12.000
Chemical Name: IB-C303-0192 NON-CONDUCTIVE PASTE NA3082 HAZARDOUS WASTE, LIQUID, N.O.S. (D005), 9,
Common Name: NON-CONDUCTIVE PASTE
Case Number: Not reported

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2021-HWAST-0283185
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2021-12-24T13:06:12.000
Chemical Name: Monoethenolamine

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Common Name: NON RCRA Waste Resist Stripper Solution w/ Photopolymer (Monoethenolamine Solution)
Case Number: Not reported

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HCHEM-0266820
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2020-06-16T02:32:58.000
Chemical Name: Not reported
Common Name: Tank 12 - Electro Tin Plating
Case Number: Not reported

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HWAST-0237250
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2020-06-16T02:32:58.000
Chemical Name: Not reported
Common Name: RQ, NA3077, HAZARDOUS WASTE, SOLID, n.o.s., (F006), 9, PGIII
Case Number: Not reported

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HWAST-0237259
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2020-06-16T02:32:58.000
Chemical Name: UN1950, AEROSOLS, 2.1 IB-305-1145
Common Name: UN1950, AEROSOLS, 2.1 IB-305-1145
Case Number: Not reported

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0177172
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2018-04-10T11:28:49.000
Chemical Name: Not reported
Common Name: GC-133
Case Number: Not reported

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0177175
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2018-04-10T11:28:49.000
Chemical Name: Not reported
Common Name: REPLENISHER
Case Number: Not reported

HUGHES CIRCUITS INC (Continued) **1007200409**

Record ID:	DEH2002-HUPFP-124147
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2016-HCHEM-0117816
Trade Secret:	N
Hazardous Material Type:	Mixture
Last Updated:	2017-06-06T02:31:28.000
Chemical Name:	Not reported
Common Name:	CU OX 1625 W/SODIUM CHLORATE
Case Number:	Not reported

Record ID:	DEH2002-HUPFP-124147
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2016-HCHEM-0117817
Trade Secret:	N
Hazardous Material Type:	Mixture
Last Updated:	2017-06-06T02:31:28.000
Chemical Name:	Not reported
Common Name:	DEVELOPER, 45-50%
Case Number:	Not reported

Record ID:	DEH2002-HUPFP-124147
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2016-HCHEM-0117818
Trade Secret:	N
Hazardous Material Type:	Mixture
Last Updated:	2017-06-06T02:31:28.000
Chemical Name:	Not reported
Common Name:	G GRABBER W/DIMETHYLAMINE
Case Number:	Not reported

Record ID:	DEH2002-HUPFP-124147
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2016-HCHEM-0117819
Trade Secret:	N
Hazardous Material Type:	Pure
Last Updated:	2017-06-06T02:31:28.000
Chemical Name:	HYDROGEN, COMPRESSED GAS
Common Name:	HYDROGEN, COMPRESSED GAS
Case Number:	1333-74-0

Record ID:	DEH2002-HUPFP-124147
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2016-HCHEM-0117820
Trade Secret:	N
Hazardous Material Type:	Mixture
Last Updated:	2017-06-06T02:31:28.000
Chemical Name:	Not reported
Common Name:	MILL COAG A-40 ALKALINE
Case Number:	Not reported

Record ID:	DEH2002-HUPFP-124147
Permit Status:	Permit Renewed

HUGHES CIRCUITS INC (Continued) **1007200409**

Active Permit: Y
Child Record Id: DEH2016-HCHEM-0117821
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2017-06-06T02:31:28.000
Chemical Name: Not reported
Common Name: MURIATIC ACID
Case Number: Not reported

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2016-HCHEM-0117822
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2017-06-06T02:31:28.000
Chemical Name: OXYGEN GAS
Common Name: OXYGEN GAS
Case Number: 7782-44-7

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2016-HCHEM-0117823
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2017-06-06T02:31:28.000
Chemical Name: Not reported
Common Name: REPLENISHER
Case Number: Not reported

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2016-HCHEM-0117824
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2017-06-06T02:31:28.000
Chemical Name: Not reported
Common Name: SOLDER OIL, HSL
Case Number: Not reported

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2016-HCHEM-0117825
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2017-06-06T02:31:28.000
Chemical Name: Not reported
Common Name: Surface Strip 446 (Resist Stripper solution)
Case Number: Not reported

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2016-HCHEM-0117826

HUGHES CIRCUITS INC (Continued) **1007200409**

Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2017-06-06T02:31:28.000
Chemical Name: Trifluoromethane GAS
Common Name: Trifluoromethane GAS
Case Number: 75-46-7

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2016-HCHEM-0117827
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2017-06-06T02:31:28.000
Chemical Name: Not reported
Common Name: TSN 3000
Case Number: Not reported

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2016-HCHEM-0117828
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2017-06-06T02:31:28.000
Chemical Name: Not reported
Common Name: Tank 01 - Copper Plating
Case Number: Not reported

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2016-HCHEM-0117829
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2017-06-06T02:31:28.000
Chemical Name: Not reported
Common Name: Tank 02 - Immersion Tin Plating Solution
Case Number: Not reported

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2016-HCHEM-0117830
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2017-06-06T02:31:28.000
Chemical Name: Not reported
Common Name: Tank 03 - Copper Plating
Case Number: Not reported

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2016-HCHEM-0117831
Trade Secret: N
Hazardous Material Type: Mixture

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Last Updated: 2017-06-06T02:31:28.000
Chemical Name: Not reported
Common Name: Tank 04 - Copper Plating
Case Number: Not reported

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2016-HCHEM-0117832
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2017-06-06T02:31:28.000
Chemical Name: Not reported
Common Name: Tank 05 - Copper Plating
Case Number: Not reported

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2016-HCHEM-0117833
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2017-06-06T02:31:28.000
Chemical Name: Not reported
Common Name: Tank 06 - Electro Tin Plating
Case Number: Not reported

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2016-HCHEM-0117834
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2017-06-06T02:31:28.000
Chemical Name: Not reported
Common Name: Tank 07 - Lead Plating Solution
Case Number: Not reported

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2016-HCHEM-0117835
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2017-06-06T02:31:28.000
Chemical Name: Technic Nickel Sulfamate
Common Name: Tank 11 - Nickel Plating Solution
Case Number: Not reported

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2016-HCHEM-0117836
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2017-06-06T02:31:28.000
Chemical Name: Not reported

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Common Name: Tank 13 - Micro Etch Solution
Case Number: Not reported

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2016-HCHEM-0117837
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2017-06-06T02:31:28.000
Chemical Name: Not reported
Common Name: Tank 14 - Chemical Clean (Micro Etch)
Case Number: Not reported

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2016-HCHEM-0117838
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2017-06-06T02:31:28.000
Chemical Name: Not reported
Common Name: Tank 15 - Developer (Baking Soda)
Case Number: Not reported

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2016-HCHEM-0117839
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2017-06-06T02:31:28.000
Chemical Name: Not reported
Common Name: Tank 16 - Ammoniated Alkaline Etch Solution
Case Number: Not reported

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2016-HCHEM-0117840
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2017-06-06T02:31:28.000
Chemical Name: Not reported
Common Name: Tank 17 - Developer (Baking Soda)
Case Number: Not reported

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2016-HCHEM-0117841
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2017-06-06T02:31:28.000
Chemical Name: Not reported
Common Name: Tank 20 - Cobra Bond Pre Dip
Case Number: Not reported

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Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2016-HCHEM-0117842
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2017-06-06T02:31:28.000
Chemical Name: Not reported
Common Name: Tank 21 - Glibrite Chemical
Case Number: Not reported

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2016-HCHEM-0117843
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2017-06-06T02:31:28.000
Chemical Name: Not reported
Common Name: Tank 22 - Resist Strip and Filter
Case Number: Not reported

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2016-HCHEM-0117844
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2017-06-06T02:31:28.000
Chemical Name: Not reported
Common Name: Tank 23 - Soder Mask Stripper (Machine)
Case Number: Not reported

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2016-HCHEM-0117845
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2017-06-06T02:31:28.000
Chemical Name: Not reported
Common Name: Tank 24 - Tin Lead Stripper Solution
Case Number: Not reported

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2016-HCHEM-0117846
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2017-06-06T02:31:28.000
Chemical Name: Not reported
Common Name: Tank 25 - Cupric Chloride Etch Solution
Case Number: Not reported

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed

HUGHES CIRCUITS INC (Continued) **1007200409**

Active Permit: Y
Child Record Id: DEH2016-HWAST-0099190
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2017-06-06T02:31:28.000
Chemical Name: Not reported
Common Name: NA3077, HAZARDOUS WASTE, SOLID, n.o.s., (LEAD), 9, PGIII, 33-21154 FILTERS WITH TIN LEAD,
Case Number: Not reported

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2016-HWAST-0099191
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2017-06-06T02:31:28.000
Chemical Name: Not reported
Common Name: NON-RCRA HAZARDOUS WASTE, LIQUID, (CUTTING FLUID), 33-25984 CUTTING FLUID, USE - 07
Case Number: Not reported

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2016-HWAST-0099192
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2017-06-06T02:31:28.000
Chemical Name: Not reported
Common Name: NON-RCRA HAZARDOUS WASTE, LIQUID, (ELECTROLESS NICKEL), 33-21151 ELECTROLESS NI
Case Number: Not reported

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2016-HWAST-0099193
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2017-06-06T02:31:28.000
Chemical Name: Not reported
Common Name: NON-RCRA HAZARDOUS WASTE, LIQUID, (PUMICE WITH COPPER), 33-21152 PUMICE WITH CO
Case Number: Not reported

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2016-HWAST-0099194
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2017-06-06T02:31:28.000
Chemical Name: Not reported
Common Name: NON-RCRA HAZARDOUS WASTE, LIQUID, 33-23671 SOLDER MASK AND INK, USE - 070131570-5
Case Number: Not reported

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2016-HWAST-0099195

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Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2017-06-06T02:31:28.000
Chemical Name: Not reported
Common Name: RQ UN1588, WASTE CYANIDE INORGANIC, n.o.s., (GOLD FILTERS), 6.1, PGIII (F008)
Case Number: Not reported

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2016-HWAST-0099196
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2017-06-06T02:31:28.000
Chemical Name: Not reported
Common Name: RQ UN1935, WASTE CYANIDE SOLUTION, n.o.s., (GOLD PLATE SOLUTION), 6.1, PGII (F007)
Case Number: Not reported

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2016-HWAST-0099197
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2017-06-06T02:31:28.000
Chemical Name: Not reported
Common Name: RQ, NA3077, HAZARDOUS WASTE, SOLID, n.o.s., (F006), 9, PGIII
Case Number: Not reported

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2016-HWAST-0099198
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2017-06-06T02:31:28.000
Chemical Name: Not reported
Common Name: UN1993, WASTE FLAMMABLE LIQUIDS, n.o.s. (1-METHOEY-2-PROPANOL ACETATE), 3, PGIII, RQ
Case Number: Not reported

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2016-HWAST-0099199
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2017-06-06T02:31:28.000
Chemical Name: Not reported
Common Name: UN2922, WASTE CORROSIVE LIQUID, TOXIC. n.o.s., (NITRIC ACID, LEAD), 8 (6.1), PGII, 33-21295
Case Number: Not reported

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2016-HWAST-0099200
Trade Secret: N
Hazardous Material Type: Not reported

HUGHES CIRCUITS INC (Continued) **1007200409**

Last Updated: 2017-06-06T02:31:28.000
Chemical Name: Not reported
Common Name: UN3179, WASTE FLAMMABLE SOLID, TOXIC, INORGANIC, n.o.s., (SODIUM NITROBENZOATE, PO
Case Number: Not reported

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2016-HWAST-0099201
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2017-06-06T02:31:28.000
Chemical Name: Not reported
Common Name: UN3264, WASTE CORROSIVE LIQUID, ACIDIC, INORGANIC, n.o.s. (HYDROFLUORIC ACID), 8, PGI
Case Number: Not reported

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2016-HWAST-0099202
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2017-06-06T02:31:28.000
Chemical Name: Not reported
Common Name: UN3264, WASTE CORROSIVE LIQUID, ACIDIC, INORGANIC, n.o.s. (SULFURIC ACID, COPPER SUL
Case Number: Not reported

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2016-HWAST-0099203
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2017-06-06T02:31:28.000
Chemical Name: Not reported
Common Name: UN3266, WASTE CORROSIVE LIQUID, BASIC, INORGANIC, n.o.s., (COPPER TETRAAMINE DICHLO
Case Number: Not reported

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2016-HWAST-0099204
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2017-06-06T02:31:28.000
Chemical Name: Not reported
Common Name: UN3284, WASTE CORROSIVE LIQUID, ACIDIC, INORGANIC, n.o.s., (CUPRIC CHLORIDE, HYDROC
Case Number: Not reported

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2016-HWAST-0099205
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2017-06-06T02:31:28.000
Chemical Name: Not reported

HUGHES CIRCUITS INC (Continued) **1007200409**

Common Name: UN3284, WASTE CORROSIVE LIQUID, ACIDIC, INORGANIC, n.o.s., (SULFURIC ACID, COPPER CH
Case Number: Not reported

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2016-HWAST-0099206
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2017-06-06T02:31:28.000
Chemical Name: Not reported
Common Name: UN3288, WASTE TOXIC SOLID, INORGANIC, n.o.s. (LEAD), 6.1, PGII, RQ (LEAD), 3323670 SOLDER
Case Number: Not reported

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2016-HWAST-0099207
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2017-06-06T02:31:28.000
Chemical Name: Not reported
Common Name: WASTE TREATMENT - ACCUMULATION TANK (ION EXCHANGE)
Case Number: Not reported

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2016-HWAST-0099208
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2017-06-06T02:31:28.000
Chemical Name: Not reported
Common Name: WASTE TREATMENT - ACCUMULATION TANK (MAIN)
Case Number: Not reported

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0192040
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2018-09-01T01:32:03.000
Chemical Name: Sodium Chlorate Sol.
Common Name: CU OX 1625 W/SODIUM CHLORATE
Case Number: 7775-09-9

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0192041
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2018-09-01T01:32:03.000
Chemical Name: Hydrochloric Acid
Common Name: MURIATIC ACID
Case Number: 7647-01-0

HUGHES CIRCUITS INC (Continued) **1007200409**

Record ID:	DEH2002-HUPFP-124147
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2018-HCHEM-0192042
Trade Secret:	N
Hazardous Material Type:	Mixture
Last Updated:	2018-09-01T01:32:03.000
Chemical Name:	Tank 76 - Cupric Chloride Etch Solution
Common Name:	Tank 76 - Cupric Chloride Etch Solution
Case Number:	Not reported

Record ID:	DEH2002-HUPFP-124147
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2018-HCHEM-0192043
Trade Secret:	N
Hazardous Material Type:	Pure
Last Updated:	2018-09-01T01:32:03.000
Chemical Name:	Potassium Carbonate
Common Name:	DV-6600
Case Number:	584-08-7

Record ID:	DEH2002-HUPFP-124147
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2018-HCHEM-0192044
Trade Secret:	N
Hazardous Material Type:	Pure
Last Updated:	2018-09-01T01:32:03.000
Chemical Name:	Sodium Hydroxide
Common Name:	G GRABBER W/DIMETHYLAMINE
Case Number:	Not reported

Record ID:	DEH2002-HUPFP-124147
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2018-HCHEM-0192045
Trade Secret:	N
Hazardous Material Type:	Pure
Last Updated:	2018-09-01T01:32:03.000
Chemical Name:	HYDROGEN, COMPRESSED GAS
Common Name:	HYDROGEN, COMPRESSED GAS
Case Number:	1333-74-0

Record ID:	DEH2002-HUPFP-124147
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2018-HCHEM-0192046
Trade Secret:	N
Hazardous Material Type:	Mixture
Last Updated:	2018-09-01T01:32:03.000
Chemical Name:	Aluminum Sulfate
Common Name:	GC-133
Case Number:	10043-01-3

Record ID:	DEH2002-HUPFP-124147
Permit Status:	Permit Renewed

HUGHES CIRCUITS INC (Continued) **1007200409**

Active Permit: Y
Child Record Id: DEH2018-HCHEM-0192047
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2018-09-01T01:32:03.000
Chemical Name: OXYGEN GAS
Common Name: OXYGEN GAS
Case Number: 7782-44-7

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0192048
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2018-09-01T01:32:03.000
Chemical Name: Polyglycol
Common Name: AF-1864
Case Number: Not reported

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0192049
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2018-09-01T01:32:03.000
Chemical Name: Monoethenolamine
Common Name: FS-72/OL (Resist Stripper solution)
Case Number: 141-43-5

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0192050
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2018-09-01T01:32:03.000
Chemical Name: carbon tetrafluoride
Common Name: Tetrafluoromethane
Case Number: 75-73-0

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0192051
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2018-09-01T01:32:03.000
Chemical Name: Nitric acid
Common Name: Tank 81 - Tin Lead Stripper Solution
Case Number: 7697-37-2

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0192052

HUGHES CIRCUITS INC (Continued) **1007200409**

Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2018-09-01T01:32:03.000
Chemical Name: Not reported
Common Name: Tank 01,02,06,07 - Copper Plating
Case Number: Not reported

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0192053
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2018-09-01T01:32:03.000
Chemical Name: tin(II) methanesulphonate
Common Name: Tank 14 - Immersion Tin Plating Solution
Case Number: Not reported

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0192054
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2018-09-01T01:32:03.000
Chemical Name: Not reported
Common Name: Tank 12 - Electro Tin Plating
Case Number: Not reported

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0192055
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2018-09-01T01:32:03.000
Chemical Name: Not reported
Common Name: Tank 13 -Tin/ Lead Plating Solution
Case Number: Not reported

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0192056
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2018-09-01T01:32:03.000
Chemical Name: Technic Nickel Sulfamate
Common Name: Tank 29 - Nickel Plating Solution
Case Number: Not reported

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0192057
Trade Secret: N
Hazardous Material Type: Mixture

HUGHES CIRCUITS INC (Continued) **1007200409**

Last Updated: 2018-09-01T01:32:03.000
Chemical Name: Not reported
Common Name: Tanks 09,17,25,46,52,124 - Micro Etch(Surface preperation)
Case Number: Not reported

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0192058
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2018-09-01T01:32:03.000
Chemical Name: Not reported
Common Name: Tank 73,86,87 - Copper Etch (Surface preperation)
Case Number: Not reported

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0192059
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2018-09-01T01:32:03.000
Chemical Name: Ammonium Chloride
Common Name: Tank 107 - Ammoniated Alkaline Etch Solution
Case Number: 12125-02-9

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0192060
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2018-09-01T01:32:03.000
Chemical Name: Potassium carbonate
Common Name: Tank 109, 111- Developer (Baking Soda)
Case Number: 584-08-7

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0192061
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2018-09-01T01:32:03.000
Chemical Name: UN1760 WASTE CORROSIVE LIQUID, ORGANIC, N.O.S. (Ethylenediamine), B, PGII
Common Name: UN1760 WASTE CORROSIVE LIQUID, ORGANIC, N.O.S. (Ethylenediamine), B, PGII
Case Number: 107-15-3

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HWAST-0166192
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2018-09-01T01:32:05.000
Chemical Name: Not reported

HUGHES CIRCUITS INC (Continued) **1007200409**

Common Name: UN3264 RQ, WASTE CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S., (Cupric chloride, hydrochlor
Case Number: Not reported

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HWAST-0166193
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2018-09-01T01:32:05.000
Chemical Name: Polyglycol
Common Name: AF-1864
Case Number: Not reported

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HWAST-0166194
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2018-09-01T01:32:05.000
Chemical Name: Not reported
Common Name: UN2922, WASTE CORROSIVE LIQUIDS, TOXIC, N.O.S. (NITRIC ACID, LEAD), 8, PGII, ERG#154
Case Number: Not reported

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HWAST-0166195
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2018-09-01T01:32:05.000
Chemical Name: Not reported
Common Name: W-Cu Plating Solution
Case Number: Not reported

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HWAST-0166196
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2018-09-01T01:32:05.000
Chemical Name: Not reported
Common Name: UN3265, WASTE Corrosive liquid, acidic, organic, n.o.s. (METHANESULFONIC ACID), 8, III, ERG 153
Case Number: Not reported

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HWAST-0166197
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2018-09-01T01:32:05.000
Chemical Name: Not reported
Common Name: RQ UN3266 WASTE CORROSIVE LIQUID, BASIC, INORGANIC, N.O.S., (COPPER TETRAMINE DICI
Case Number: Not reported

HUGHES CIRCUITS INC (Continued) **1007200409**

Record ID:	DEH2002-HUPFP-124147
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2018-HWAST-0166198
Trade Secret:	N
Hazardous Material Type:	Not reported
Last Updated:	2018-09-01T01:32:05.000
Chemical Name:	Not reported
Common Name:	NA3077, HAZARDOUS WASTE, SOLID, n.o.s., (LEAD), 9, PGIII, 33-21154 FILTERS WITH TIN LEAD,
Case Number:	Not reported

Record ID:	DEH2002-HUPFP-124147
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2018-HWAST-0166199
Trade Secret:	N
Hazardous Material Type:	Not reported
Last Updated:	2018-09-01T01:32:05.000
Chemical Name:	Soluble Oil.
Common Name:	NON-RCRA HAZARDOUS WASTE, LIQUID, (CUTTING FLUID), 33-25984 CUTTING FLUID, USE - 07
Case Number:	Not reported

Record ID:	DEH2002-HUPFP-124147
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2018-HWAST-0166200
Trade Secret:	N
Hazardous Material Type:	Not reported
Last Updated:	2018-09-01T01:32:05.000
Chemical Name:	Not reported
Common Name:	NON-RCRA HAZARDOUS WASTE, LIQUID, (ELECTROLESS NICKEL), 33-21151 ELECTROLESS NI
Case Number:	Not reported

Record ID:	DEH2002-HUPFP-124147
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2018-HWAST-0166201
Trade Secret:	N
Hazardous Material Type:	Not reported
Last Updated:	2018-09-01T01:32:05.000
Chemical Name:	Not reported
Common Name:	RQ UN1588, WASTE CYANIDE INORGANIC, n.o.s., (GOLD FILTERS), 6.1, PGIII (F008)
Case Number:	Not reported

Record ID:	DEH2002-HUPFP-124147
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2018-HWAST-0166202
Trade Secret:	N
Hazardous Material Type:	Not reported
Last Updated:	2018-09-01T01:32:05.000
Chemical Name:	Not reported
Common Name:	RQ UN1935, WASTE CYANIDE SOLUTION, n.o.s., (GOLD PLATE SOLUTION), 6.1, PGII (F007)
Case Number:	Not reported

Record ID:	DEH2002-HUPFP-124147
Permit Status:	Permit Renewed

HUGHES CIRCUITS INC (Continued) **1007200409**

Active Permit: Y
Child Record Id: DEH2018-HWAST-0166203
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2018-09-01T01:32:05.000
Chemical Name: Not reported
Common Name: RQ, NA3077, HAZARDOUS WASTE, SOLID, n.o.s., (F006), 9, PGIII
Case Number: Not reported

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HWAST-0166204
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2018-09-01T01:32:05.000
Chemical Name: Not reported
Common Name: UN1993, WASTE FLAMMABLE LIQUIDS, n.o.s. (1-METHOEY-2-PROPANOL ACETATE), 3, PGIII, RQ
Case Number: Not reported

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HWAST-0166205
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2018-09-01T01:32:05.000
Chemical Name: Not reported
Common Name: UN3264, WASTE CORROSIVE LIQUID, ACIDIC, INORGANIC, n.o.s. (HYDROFLUORIC ACID), 8, PGI
Case Number: Not reported

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HWAST-0166206
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2018-09-01T01:32:05.000
Chemical Name: Not reported
Common Name: UN3288, WASTE TOXIC SOLID, INORGANIC, n.o.s. (LEAD), 6.1, PGII, RQ (LEAD), 3323670 SOLDER
Case Number: Not reported

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HWAST-0166207
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2018-09-01T01:32:05.000
Chemical Name: Not reported
Common Name: WASTE TREATMENT - ACCUMULATION TANK (ION EXCHANGE)
Case Number: Not reported

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HWAST-0166208

HUGHES CIRCUITS INC (Continued) **1007200409**

Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2018-09-01T01:32:05.000
Chemical Name: Not reported
Common Name: WASTE TREATMENT - ACCUMULATION TANK (MAIN)
Case Number: Not reported

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HWAST-0166209
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2018-09-01T01:32:05.000
Chemical Name: NON RCRA HAZARDOUS WASTE, LIQUID (AROMATIC HYDROCARBONS) 19-27644 HEAT TRANS
Common Name: NON RCRA HAZARDOUS WASTE, LIQUID (AROMATIC HYDROCARBONS) 19-27644 HEAT TRANS
Case Number: Not reported

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HWAST-0166210
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2018-09-01T01:32:05.000
Chemical Name: NON RCRA HAZARDOUS WASTE, LIQUID (MIXED OILS) IB-33-31149
Common Name: NON RCRA HAZARDOUS WASTE, LIQUID (MIXED OILS) IB-33-31149
Case Number: Not reported

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HWAST-0166211
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2018-09-01T01:32:05.000
Chemical Name: NON RCRA HAZARDOUS WASTE, SOLID (RAGS AND DEBRIS) IB-33-26706
Common Name: NON RCRA HAZARDOUS WASTE, SOLID (RAGS AND DEBRIS) IB-33-26706
Case Number: Not reported

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HWAST-0166212
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2018-09-01T01:32:05.000
Chemical Name: UN1950, AEROSOLS, 2.1 IB-305-1145
Common Name: UN1950, AEROSOLS, 2.1 IB-305-1145
Case Number: Not reported

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0177168
Trade Secret: N
Hazardous Material Type: Mixture

HUGHES CIRCUITS INC (Continued) **1007200409**

Last Updated: 2018-04-10T11:28:49.000
Chemical Name: Not reported
Common Name: CU OX 1625 W/SODIUM CHLORATE
Case Number: Not reported

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0177174
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2018-04-10T11:28:49.000
Chemical Name: OXYGEN GAS
Common Name: OXYGEN GAS
Case Number: 7782-44-7

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0177176
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2018-04-10T11:28:49.000
Chemical Name: Not reported
Common Name: SOLDER OIL, HSL
Case Number: Not reported

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0177177
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2018-04-10T11:28:49.000
Chemical Name: Not reported
Common Name: FS-72/OL (Resist Stripper solution)
Case Number: Not reported

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0177178
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2018-04-10T11:28:49.000
Chemical Name: Trifluoromethane GAS
Common Name: Trifluoromethane GAS
Case Number: 75-46-7

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0177179
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2018-04-10T11:28:49.000
Chemical Name: Not reported

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Common Name: TSN 3000
Case Number: Not reported

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0177180
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2018-04-10T11:28:49.000
Chemical Name: Not reported
Common Name: Tank 01 - Copper Plating
Case Number: Not reported

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0177181
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2018-04-10T11:28:49.000
Chemical Name: Not reported
Common Name: Tank 02 - Immersion Tin Plating Solution
Case Number: Not reported

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0177182
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2018-04-10T11:28:49.000
Chemical Name: Not reported
Common Name: Tank 03 - Copper Plating
Case Number: Not reported

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0177183
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2018-04-10T11:28:49.000
Chemical Name: Not reported
Common Name: Tank 04 - Copper Plating
Case Number: Not reported

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0177184
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2018-04-10T11:28:49.000
Chemical Name: Not reported
Common Name: Tank 05 - Copper Plating
Case Number: Not reported

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Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0177185
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2018-04-10T11:28:49.000
Chemical Name: Not reported
Common Name: Tank 06 - Electro Tin Plating
Case Number: Not reported

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0177186
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2018-04-10T11:28:49.000
Chemical Name: Not reported
Common Name: Tank 07 - Lead Plating Solution
Case Number: Not reported

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0177187
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2018-04-10T11:28:49.000
Chemical Name: Technic Nickel Sulfamate
Common Name: Tank 11 - Nickel Plating Solution
Case Number: Not reported

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0177188
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2018-04-10T11:28:49.000
Chemical Name: Not reported
Common Name: Tank 13 - Micro Etch Solution
Case Number: Not reported

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0177189
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2018-04-10T11:28:49.000
Chemical Name: Not reported
Common Name: Tank 14 - Chemical Clean (Micro Etch)
Case Number: Not reported

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed

HUGHES CIRCUITS INC (Continued) **1007200409**

Active Permit: Y
Child Record Id: DEH2018-HCHEM-0177190
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2018-04-10T11:28:49.000
Chemical Name: Not reported
Common Name: Tank 15 - Developer (Baking Soda)
Case Number: Not reported

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0177191
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2018-04-10T11:28:49.000
Chemical Name: Not reported
Common Name: Tank 16 - Ammoniated Alkaline Etch Solution
Case Number: Not reported

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0177192
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2018-04-10T11:28:49.000
Chemical Name: Not reported
Common Name: Tank 17 - Developer (Baking Soda)
Case Number: Not reported

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0177193
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2018-04-10T11:28:49.000
Chemical Name: Not reported
Common Name: Tank 20 - Cobra Bond Pre Dip
Case Number: Not reported

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0177194
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2018-04-10T11:28:49.000
Chemical Name: Not reported
Common Name: Tank 21 - Glibrite Chemical
Case Number: Not reported

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0177195

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Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2018-04-10T11:28:49.000
Chemical Name: Not reported
Common Name: Tank 22 - Resist Strip and Filter
Case Number: Not reported

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0177196
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2018-04-10T11:28:49.000
Chemical Name: Not reported
Common Name: Tank 23 - Soder Mask Stripper (Machine)
Case Number: Not reported

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0177197
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2018-04-10T11:28:49.000
Chemical Name: Not reported
Common Name: Tank 24 - Tin Lead Stripper Solution
Case Number: Not reported

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HCHEM-0177198
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2018-04-10T11:28:49.000
Chemical Name: Not reported
Common Name: Tank 25 - Cupric Chloride Etch Solution
Case Number: Not reported

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HWAST-0151810
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2018-04-10T11:28:49.000
Chemical Name: Not reported
Common Name: NA3077, HAZARDOUS WASTE, SOLID, n.o.s., (LEAD), 9, PGIII, 33-21154 FILTERS WITH TIN LEAD,
Case Number: Not reported

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HWAST-0151811
Trade Secret: N
Hazardous Material Type: Not reported

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Last Updated: 2018-04-10T11:28:49.000
Chemical Name: Not reported
Common Name: NON-RCRA HAZARDOUS WASTE, LIQUID, (CUTTING FLUID), 33-25984 CUTTING FLUID, USE - 07
Case Number: Not reported

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HWAST-0151812
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2018-04-10T11:28:49.000
Chemical Name: Not reported
Common Name: NON-RCRA HAZARDOUS WASTE, LIQUID, (ELECTROLESS NICKEL), 33-21151 ELECTROLESS NI
Case Number: Not reported

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HWAST-0151813
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2018-04-10T11:28:49.000
Chemical Name: Not reported
Common Name: NON-RCRA HAZARDOUS WASTE, LIQUID, (PUMICE WITH COPPER), 33-21152 PUMICE WITH CO
Case Number: Not reported

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HWAST-0151814
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2018-04-10T11:28:49.000
Chemical Name: Not reported
Common Name: NON-RCRA HAZARDOUS WASTE, LIQUID, 33-23671 SOLDER MASK AND INK, USE - 070131570-5
Case Number: Not reported

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HWAST-0151815
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2018-04-10T11:28:49.000
Chemical Name: Not reported
Common Name: RQ UN1588, WASTE CYANIDE INORGANIC, n.o.s., (GOLD FILTERS), 6.1, PGIII (F008)
Case Number: Not reported

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HWAST-0151816
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2018-04-10T11:28:49.000
Chemical Name: Not reported

HUGHES CIRCUITS INC (Continued) **1007200409**

Common Name: RQ UN1935, WASTE CYANIDE SOLUTION, n.o.s., (GOLD PLATE SOLUTION), 6.1, PGII (F007)
Case Number: Not reported

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HWAST-0151817
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2018-04-10T11:28:49.000
Chemical Name: Not reported
Common Name: RQ, NA3077, HAZARDOUS WASTE, SOLID, n.o.s., (F006), 9, PGIII
Case Number: Not reported

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HWAST-0151818
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2018-04-10T11:28:49.000
Chemical Name: Not reported
Common Name: UN1993, WASTE FLAMMABLE LIQUIDS, n.o.s. (1-METHOEY-2-PROPANOL ACETATE), 3, PGIII, RQ
Case Number: Not reported

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HWAST-0151819
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2018-04-10T11:28:49.000
Chemical Name: Not reported
Common Name: UN2922, WASTE CORROSIVE LIQUID, TOXIC. n.o.s., (NITRIC ACID, LEAD), 8 (6.1), PGII, 33-21295
Case Number: Not reported

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HWAST-0151820
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2018-04-10T11:28:49.000
Chemical Name: Not reported
Common Name: UN3179, WASTE FLAMMABLE SOLID, TOXIC, INORGANIC, n.o.s., (SODIUM NITROBENZOATE, PO
Case Number: Not reported

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2018-HWAST-0151821
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2018-04-10T11:28:49.000
Chemical Name: Not reported
Common Name: UN3264, WASTE CORROSIVE LIQUID, ACIDIC, INORGANIC, n.o.s. (HYDROFLUORIC ACID), 8, PGI
Case Number: Not reported

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Record ID:	DEH2002-HUPFP-124147
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2018-HWAST-0151822
Trade Secret:	N
Hazardous Material Type:	Not reported
Last Updated:	2018-04-10T11:28:49.000
Chemical Name:	Not reported
Common Name:	UN3264, WASTE CORROSIVE LIQUID, ACIDIC, INORGANIC, n.o.s. (SULFURIC ACID, COPPER SUL
Case Number:	Not reported

Record ID:	DEH2002-HUPFP-124147
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2018-HWAST-0151823
Trade Secret:	N
Hazardous Material Type:	Not reported
Last Updated:	2018-04-10T11:28:49.000
Chemical Name:	Not reported
Common Name:	UN3266, WASTE CORROSIVE LIQUID, BASIC, INORGANIC, n.o.s., (COPPER TETRAAMINE DICHLO
Case Number:	Not reported

Record ID:	DEH2002-HUPFP-124147
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2018-HWAST-0151824
Trade Secret:	N
Hazardous Material Type:	Not reported
Last Updated:	2018-04-10T11:28:49.000
Chemical Name:	Not reported
Common Name:	UN3284, WASTE CORROSIVE LIQUID, ACIDIC, INORGANIC, n.o.s., (CUPRIC CHLORIDE, HYDROC
Case Number:	Not reported

Record ID:	DEH2002-HUPFP-124147
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2018-HWAST-0151825
Trade Secret:	N
Hazardous Material Type:	Not reported
Last Updated:	2018-04-10T11:28:49.000
Chemical Name:	Not reported
Common Name:	UN3284, WASTE CORROSIVE LIQUID, ACIDIC, INORGANIC, n.o.s., (SULFURIC ACID, COPPER CH
Case Number:	Not reported

Record ID:	DEH2002-HUPFP-124147
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2020-HCHEM-0266807
Trade Secret:	N
Hazardous Material Type:	Pure
Last Updated:	2020-06-16T02:32:58.000
Chemical Name:	Hydrochloric Acid
Common Name:	MURIATIC ACID
Case Number:	7647-01-0

Record ID:	DEH2002-HUPFP-124147
Permit Status:	Permit Renewed

HUGHES CIRCUITS INC (Continued) **1007200409**

Active Permit: Y
Child Record Id: DEH2020-HCHEM-0266808
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2020-06-16T02:32:58.000
Chemical Name: Tank 76 - Cupric Chloride Etch Solution
Common Name: Tank 76 - Cupric Chloride Etch Solution
Case Number: Not reported

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HCHEM-0266814
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2020-06-16T02:32:58.000
Chemical Name: Polyglycol
Common Name: AF-1864
Case Number: Not reported

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HCHEM-0266821
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2020-06-16T02:32:58.000
Chemical Name: Not reported
Common Name: Tank 13 -Tin/ Lead Plating Solution
Case Number: Not reported

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HCHEM-0266823
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2020-06-16T02:32:58.000
Chemical Name: Not reported
Common Name: Tanks 09,17,25,46,52,124 - Micro Etch(Surface preperation)
Case Number: Not reported

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HCHEM-0266826
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2020-06-16T02:32:58.000
Chemical Name: Potassium carbonate
Common Name: Tank 109, 111- Developer (Baking Soda)
Case Number: 584-08-7

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HWAST-0237242

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Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2020-06-16T02:32:58.000
Chemical Name: Not reported
Common Name: W-Cu Plating Solution
Case Number: Not reported

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HWAST-0237243
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2020-06-16T02:32:58.000
Chemical Name: Not reported
Common Name: UN3265, WASTE Corrosive liquid, acidic, organic, n.o.s. (METHANESULFONIC ACID), 8, III, ERG 153
Case Number: Not reported

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HWAST-0237246
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2020-06-16T02:32:58.000
Chemical Name: Soluble Oil.
Common Name: NON-RCRA HAZARDOUS WASTE, LIQUID, (CUTTING FLUID), 33-25984 CUTTING FLUID, USE - 07
Case Number: Not reported

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HWAST-0237249
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2020-06-16T02:32:58.000
Chemical Name: Not reported
Common Name: RQ UN1935, WASTE CYANIDE SOLUTION, n.o.s., (GOLD PLATE SOLUTION), 6.1, PGII (F007)
Case Number: Not reported

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HWAST-0237251
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2020-06-16T02:32:58.000
Chemical Name: Not reported
Common Name: UN1993, WASTE FLAMMABLE LIQUIDS, n.o.s. (1-METHOEY-2-PROPANOL ACETATE), 3, PGIII, RQ
Case Number: Not reported

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HWAST-0237257
Trade Secret: N
Hazardous Material Type: Not reported

HUGHES CIRCUITS INC (Continued) **1007200409**

Last Updated: 2020-06-16T02:32:58.000
Chemical Name: NON RCRA HAZARDOUS WASTE, LIQUID (MIXED OILS) IB-33-31149
Common Name: NON RCRA HAZARDOUS WASTE, LIQUID (MIXED OILS) IB-33-31149
Case Number: Not reported

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HWAST-0237258
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2020-06-16T02:32:58.000
Chemical Name: NON RCRA HAZARDOUS WASTE, SOLID (RAGS AND DEBRIS) IB-33-26706
Common Name: NON RCRA HAZARDOUS WASTE, SOLID (RAGS AND DEBRIS) IB-33-26706
Case Number: Not reported

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HCHEM-0242427
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2020-01-10T01:14:28.000
Chemical Name: Sodium Chlorate Sol.
Common Name: CU OX 1625 W/SODIUM CHLORATE
Case Number: 7775-09-9

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HCHEM-0242428
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2020-01-10T01:14:28.000
Chemical Name: Hydrochloric Acid
Common Name: MURIATIC ACID
Case Number: 7647-01-0

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HCHEM-0242431
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2020-01-10T01:14:28.000
Chemical Name: Sodium Hydroxide
Common Name: G GRABBER W/DIMETHYLAMINE
Case Number: Not reported

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HCHEM-0242432
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2020-01-10T01:14:28.000
Chemical Name: HYDROGEN, COMPRESSED GAS

HUGHES CIRCUITS INC (Continued) **1007200409**

Common Name: HYDROGEN, COMPRESSED GAS
Case Number: 1333-74-0

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HCHEM-0242433
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2020-01-10T01:14:28.000
Chemical Name: Aluminum Sulfate
Common Name: GC-133
Case Number: 10043-01-3

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HCHEM-0242434
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2020-01-10T01:14:28.000
Chemical Name: OXYGEN GAS
Common Name: OXYGEN GAS
Case Number: 7782-44-7

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HCHEM-0242435
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2020-01-10T01:14:28.000
Chemical Name: Polyglycol
Common Name: AF-1864
Case Number: Not reported

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HWAST-0213293
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2020-01-10T01:14:31.000
Chemical Name: NON RCRA HAZARDOUS WASTE, LIQUID (MIXED OILS) IB-33-31149
Common Name: NON RCRA HAZARDOUS WASTE, LIQUID (MIXED OILS) IB-33-31149
Case Number: Not reported

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HCHEM-0266806
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2020-06-16T02:32:58.000
Chemical Name: Sodium Chlorate Sol.
Common Name: CU OX 1625 W/SODIUM CHLORATE
Case Number: 7775-09-9

HUGHES CIRCUITS INC (Continued) **1007200409**

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HCHEM-0266812
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2020-06-16T02:32:58.000
Chemical Name: Aluminum Sulfate
Common Name: GC-133
Case Number: 10043-01-3

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HCHEM-0266816
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2020-06-16T02:32:58.000
Chemical Name: carbon tetrafluoride
Common Name: Tetrafluoromethane
Case Number: 75-73-0

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2021-HCHEM-0295994
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2021-10-14T00:46:50.000
Chemical Name: Not reported
Common Name: Tank 12 - Electro Tin Plating
Case Number: Not reported

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2021-HCHEM-0295998
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2021-10-14T00:46:50.000
Chemical Name: Not reported
Common Name: Tank 73,86,87 - Copper Etch (Surface preperation)
Case Number: Not reported

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2021-HCHEM-0296000
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2021-10-14T00:46:50.000
Chemical Name: Potassium carbonate
Common Name: Tank 109, 111- Developer (Baking Soda)
Case Number: 584-08-7

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed

HUGHES CIRCUITS INC (Continued) **1007200409**

Active Permit: Y
Child Record Id: DEH2021-HWAST-0264209
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2021-10-14T00:46:51.000
Chemical Name: Not reported
Common Name: W-Cu Plating Solution
Case Number: Not reported

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2021-HWAST-0264215
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2021-10-14T00:46:51.000
Chemical Name: Not reported
Common Name: RQ UN1588, WASTE CYANIDE INORGANIC, n.o.s., (GOLD FILTERS), 6.1, PGIII (F008)
Case Number: Not reported

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2021-HWAST-0264217
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2021-10-14T00:46:51.000
Chemical Name: Not reported
Common Name: RQ, NA3077, HAZARDOUS WASTE, SOLID, n.o.s., (F006), 9, PGIII
Case Number: Not reported

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2021-HWAST-0264222
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2021-10-14T00:46:51.000
Chemical Name: Not reported
Common Name: WASTE TREATMENT - ACCUMULATION TANK (MAIN)
Case Number: Not reported

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2021-HWAST-0264223
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2021-10-14T00:46:51.000
Chemical Name: NON RCRA HAZARDOUS WASTE, LIQUID (AROMATIC HYDROCARBONS) 19-27644 HEAT TRANS
Common Name: NON RCRA HAZARDOUS WASTE, LIQUID (AROMATIC HYDROCARBONS) 19-27644 HEAT TRANS
Case Number: Not reported

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HCHEM-0242436

HUGHES CIRCUITS INC (Continued) **1007200409**

Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2020-01-10T01:14:28.000
Chemical Name: Monoethenolamine
Common Name: FS-72/OL (Resist Stripper solution)
Case Number: 141-43-5

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HCHEM-0242437
Trade Secret: N
Hazardous Material Type: Pure
Last Updated: 2020-01-10T01:14:28.000
Chemical Name: carbon tetrafluoride
Common Name: Tetrafluoromethane
Case Number: 75-73-0

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HCHEM-0242438
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2020-01-10T01:14:28.000
Chemical Name: Nitric acid
Common Name: Tank 81 - Tin Lead Stripper Solution
Case Number: 7697-37-2

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HCHEM-0242439
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2020-01-10T01:14:28.000
Chemical Name: Not reported
Common Name: Tank 01,02,06,07 - Copper Plating
Case Number: Not reported

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HCHEM-0242440
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2020-01-10T01:14:28.000
Chemical Name: tin(II) methanesulphonate
Common Name: Tank 14 - Immersion Tin Plating Solution
Case Number: Not reported

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HCHEM-0242441
Trade Secret: N
Hazardous Material Type: Mixture

HUGHES CIRCUITS INC (Continued) **1007200409**

Last Updated: 2020-01-10T01:14:28.000
Chemical Name: Not reported
Common Name: Tank 12 - Electro Tin Plating
Case Number: Not reported

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HCHEM-0242442
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2020-01-10T01:14:28.000
Chemical Name: Not reported
Common Name: Tank 13 -Tin/ Lead Plating Solution
Case Number: Not reported

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HCHEM-0242443
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2020-01-10T01:14:28.000
Chemical Name: Technic Nickel Sulfamate
Common Name: Tank 29 - Nickel Plating Solution
Case Number: Not reported

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HCHEM-0242444
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2020-01-10T01:14:28.000
Chemical Name: Not reported
Common Name: Tanks 09,17,25,46,52,124 - Micro Etch(Surface preperation)
Case Number: Not reported

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HCHEM-0242445
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2020-01-10T01:14:28.000
Chemical Name: Not reported
Common Name: Tank 73,86,87 - Copper Etch (Surface preperation)
Case Number: Not reported

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HCHEM-0242446
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2020-01-10T01:14:28.000
Chemical Name: Ammonium Chloride

HUGHES CIRCUITS INC (Continued) **1007200409**

Common Name: Tank 107 - Ammoniated Alkaline Etch Solution
Case Number: 12125-02-9

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HCHEM-0242447
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2020-01-10T01:14:28.000
Chemical Name: Potassium carbonate
Common Name: Tank 109, 111- Developer (Baking Soda)
Case Number: 584-08-7

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HCHEM-0242448
Trade Secret: N
Hazardous Material Type: Mixture
Last Updated: 2020-01-10T01:14:28.000
Chemical Name: UN1760 WASTE CORROSIVE LIQUID, ORGANIC, N.O.S. (Ethylenediamine), B, PGII
Common Name: UN1760 WASTE CORROSIVE LIQUID, ORGANIC, N.O.S. (Ethylenediamine), B, PGII
Case Number: 107-15-3

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HWAST-0213275
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2020-01-10T01:14:31.000
Chemical Name: Not reported
Common Name: UN3264 RQ, WASTE CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S., (Cupric chloride, hydrochlor
Case Number: Not reported

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HWAST-0213276
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2020-01-10T01:14:31.000
Chemical Name: Polyglycol
Common Name: AF-1864
Case Number: Not reported

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HWAST-0213277
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2020-01-10T01:14:31.000
Chemical Name: Not reported
Common Name: UN2922, WASTE CORROSIVE LIQUIDS, TOXIC, N.O.S. (NITRIC ACID, LEAD), 8, PGII, ERG#154
Case Number: Not reported

HUGHES CIRCUITS INC (Continued) **1007200409**

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HWAST-0213278
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2020-01-10T01:14:31.000
Chemical Name: Not reported
Common Name: W-Cu Plating Solution
Case Number: Not reported

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HWAST-0213279
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2020-01-10T01:14:31.000
Chemical Name: Not reported
Common Name: UN3265, WASTE Corrosive liquid, acidic, organic, n.o.s. (METHANESULFONIC ACID), 8, III, ERG 153
Case Number: Not reported

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HWAST-0213280
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2020-01-10T01:14:31.000
Chemical Name: Not reported
Common Name: RQ UN3266 WASTE CORROSIVE LIQUID, BASIC, INORGANIC, N.O.S., (COPPER TETRAMINE DIC
Case Number: Not reported

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HWAST-0213281
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2020-01-10T01:14:31.000
Chemical Name: Not reported
Common Name: NA3077, HAZARDOUS WASTE, SOLID, n.o.s., (LEAD), 9, PGIII, 33-21154 FILTERS WITH TIN LEAD,
Case Number: Not reported

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HWAST-0213282
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2020-01-10T01:14:31.000
Chemical Name: Soluble Oil.
Common Name: NON-RCRA HAZARDOUS WASTE, LIQUID, (CUTTING FLUID), 33-25984 CUTTING FLUID, USE - 07
Case Number: Not reported

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed

HUGHES CIRCUITS INC (Continued) **1007200409**

Active Permit: Y
Child Record Id: DEH2020-HWAST-0213283
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2020-01-10T01:14:31.000
Chemical Name: Not reported
Common Name: NON-RCRA HAZARDOUS WASTE, LIQUID, (ELECTROLESS NICKEL), 33-21151 ELECTROLESS NI
Case Number: Not reported

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HWAST-0213284
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2020-01-10T01:14:31.000
Chemical Name: Not reported
Common Name: RQ UN1588, WASTE CYANIDE INORGANIC, n.o.s., (GOLD FILTERS), 6.1, PGIII (F008)
Case Number: Not reported

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HWAST-0213285
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2020-01-10T01:14:31.000
Chemical Name: Not reported
Common Name: RQ UN1935, WASTE CYANIDE SOLUTION, n.o.s., (GOLD PLATE SOLUTION), 6.1, PGII (F007)
Case Number: Not reported

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HWAST-0213286
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2020-01-10T01:14:31.000
Chemical Name: Not reported
Common Name: RQ, NA3077, HAZARDOUS WASTE, SOLID, n.o.s., (F006), 9, PGIII
Case Number: Not reported

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HWAST-0213287
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2020-01-10T01:14:31.000
Chemical Name: Not reported
Common Name: UN1993, WASTE FLAMMABLE LIQUIDS, n.o.s. (1-METHOEY-2-PROPANOL ACETATE), 3, PGIII, RQ
Case Number: Not reported

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HWAST-0213288

HUGHES CIRCUITS INC (Continued) **1007200409**

Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2020-01-10T01:14:31.000
Chemical Name: Not reported
Common Name: UN3264, WASTE CORROSIVE LIQUID, ACIDIC, INORGANIC, n.o.s. (HYDROFLUORIC ACID), 8, PGI
Case Number: Not reported

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HWAST-0213289
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2020-01-10T01:14:31.000
Chemical Name: Not reported
Common Name: UN3288, WASTE TOXIC SOLID, INORGANIC, n.o.s. (LEAD), 6.1, PGII, RQ (LEAD), 3323670 SOLDER
Case Number: Not reported

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HWAST-0213290
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2020-01-10T01:14:31.000
Chemical Name: Not reported
Common Name: WASTE TREATMENT - ACCUMULATION TANK (ION EXCHANGE)
Case Number: Not reported

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HWAST-0213291
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2020-01-10T01:14:31.000
Chemical Name: Not reported
Common Name: WASTE TREATMENT - ACCUMULATION TANK (MAIN)
Case Number: Not reported

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HWAST-0213292
Trade Secret: N
Hazardous Material Type: Not reported
Last Updated: 2020-01-10T01:14:31.000
Chemical Name: NON RCRA HAZARDOUS WASTE, LIQUID (AROMATIC HYDROCARBONS) 19-27644 HEAT TRANS
Common Name: NON RCRA HAZARDOUS WASTE, LIQUID (AROMATIC HYDROCARBONS) 19-27644 HEAT TRANS
Case Number: Not reported

Record ID: DEH2002-HUPFP-124147
Permit Status: Permit Renewed
Active Permit: Y
Child Record Id: DEH2020-HWAST-0213294
Trade Secret: N
Hazardous Material Type: Not reported

HUGHES CIRCUITS INC (Continued) **1007200409**

Last Updated:	2020-01-10T01:14:31.000
Chemical Name:	NON RCRA HAZARDOUS WASTE, SOLID (RAGS AND DEBRIS) IB-33-26706
Common Name:	NON RCRA HAZARDOUS WASTE, SOLID (RAGS AND DEBRIS) IB-33-26706
Case Number:	Not reported
Record ID:	DEH2002-HUPFP-124147
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2020-HWAST-0213295
Trade Secret:	N
Hazardous Material Type:	Not reported
Last Updated:	2020-01-10T01:14:31.000
Chemical Name:	UN1950, AEROSOLS, 2.1 IB-305-1145
Common Name:	UN1950, AEROSOLS, 2.1 IB-305-1145
Case Number:	Not reported
Record ID:	DEH2002-HUPFP-124147
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2020-HWAST-0213296
Trade Secret:	N
Hazardous Material Type:	Not reported
Last Updated:	2020-01-10T01:14:31.000
Chemical Name:	IB-C303-0192 NON-CONDUCTIVE PASTE NA3082 HAZARDOUS WASTE, LIQUID, N.O.S. (D005), 9,
Common Name:	NON-CONDUCTIVE PASTE
Case Number:	Not reported
Name:	HUGHES CIRCUITS INC
Address:	540 S PACIFIC ST
City,State,Zip:	SAN MARCOS, CA 92078
Permit Number:	124147
Business Type:	6HK36
EPA Id Number:	CAR000113274
APN:	219-210-29-00
Last HMMD Inspection:	04/20/2012
Facility Telephone:	760-744-0300
Permit Status:	OPEN
Permit Expiration:	06/30/2013
Date Last Updated:	11/02/2012
Facility Owner:	JERRY HUGHES
Facility Mailing Address:	540 S PACIFIC ST
Facility Mailing City:	SAN MARCOS
Facility Mailing State:	CA
Facility Mailing Zip:	92078
UST Owner:	Not reported
Handle Regulated Hazmat:	Y
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Y
Treat Haz Waste:	Y
Generate Medical Waste:	Not reported

Inventory Active Permits (not SQG Medical):

Permit Number:	124147
Update Date:	11/02/2012
Case Number:	7664-93-9
Name:	ACID CU PLATE 2001

HUGHES CIRCUITS INC (Continued) **1007200409**

Other Information: (280,280,110,400 TANKS)
Material Waste: Material
Hazardous Categories 1: REACTIVE
Hazardous Categories 2: ACUTE

Permit Number: 124147
Update Date: 11/02/2012
Case Number: 12125-02-9
Name: ACUGUARD PLUS W/AMMONIUM CHLORIDE
Other Information: REPLENISHER
Material Waste: Material
Hazardous Categories 1: REACTIVE
Hazardous Categories 2: ACUTE

Permit Number: 124147
Update Date: 11/02/2012
Case Number: Not reported
Name: CARCINOGENS &/OR REPRODUCTIVE TOXINS
Other Information: BELOW STATE DISCLOSURE AMTS ARE/MAY BE ON SITE
Material Waste: Not reported
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 124147
Update Date: 11/02/2012
Case Number: 7775-09-9
Name: CU OX 1645 W/SODIUM CHLORATE
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: REACTIVE
Hazardous Categories 2: ACUTE

Permit Number: 124147
Update Date: 11/02/2012
Case Number: 10125-13-0
Name: CUPRIC CHLORIDE
Other Information: ETCH SOLUTION
Material Waste: Material
Hazardous Categories 1: ACUTE
Hazardous Categories 2: Not reported

Permit Number: 124147
Update Date: 11/02/2012
Case Number: 7697-37-2
Name: ETCH, FOCUS TECH W/NITRIC ACID
Other Information: TSN 3000
Material Waste: Material
Hazardous Categories 1: REACTIVE
Hazardous Categories 2: ACUTE

Permit Number: 124147
Update Date: 11/02/2012
Case Number: 124-40-3
Name: G GRABBER W/DIMETHYLAMINE
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: REACTIVE

HUGHES CIRCUITS INC (Continued) **1007200409**

Hazardous Categories 2: ACUTE

Permit Number: 124147
Update Date: 11/02/2012
Case Number: 7647-01-0
Name: HYDROCHLORIC ACID
Other Information: MURIATIC ACID, 38%
Material Waste: Material
Hazardous Categories 1: REACTIVE
Hazardous Categories 2: ACUTE

Permit Number: 124147
Update Date: 11/02/2012
Case Number: 1333-74-0
Name: HYDROGEN, COMPRESSED GAS
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: PRESSURE RELEASE
Hazardous Categories 2: Not reported

Permit Number: 124147
Update Date: 11/02/2012
Case Number: 7664-93-9
Name: MILL COAG A-40 ALKALINE
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: ACUTE
Hazardous Categories 2: Not reported

Permit Number: 124147
Update Date: 11/02/2012
Case Number: 7782-44-7
Name: OXYGEN GAS
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: PRESSURE RELEASE
Hazardous Categories 2: Not reported

Permit Number: 124147
Update Date: 11/02/2012
Case Number: 584-08-7
Name: POTASSIUM CARBONAE SOLN
Other Information: DEVELOPER, 45-50%
Material Waste: Material
Hazardous Categories 1: ACUTE
Hazardous Categories 2: Not reported

Permit Number: 124147
Update Date: 11/02/2012
Case Number: 31694-55-0
Name: SOLDER OIL, HSL
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: ACUTE
Hazardous Categories 2: Not reported

Permit Number: 124147

HUGHES CIRCUITS INC (Continued) **1007200409**

Update Date:	11/02/2012
Case Number:	7732-18-5
Name:	SOLDERON PLATE
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	REACTIVE
Hazardous Categories 2:	ACUTE
Permit Number:	124147
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 111 ACID SOL'N WITH METALS - R (3)
Other Information:	MICRO ETCH PRE DIP SOLN
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported
Permit Number:	124147
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 113 UNSPECIFIED ACID SOL'N - R
Other Information:	STRIP RESIST RINSATE- PBR UNIT 2
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported
Permit Number:	124147
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 121 ALKALINE SOL'N WITH METALS
Other Information:	CLEANER SOLN
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported
Permit Number:	124147
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 132 AQUEOUS SOL'N WITH METALS
Other Information:	AMMONIUM ETCH
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported
Permit Number:	124147
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 132 AQUEOUS SOL'N WITH METALS
Other Information:	MICRO ETCH COPRA BOND SOLN
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported
Permit Number:	124147
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 132 AQUEOUS SOL'N WITH METALS (3_

HUGHES CIRCUITS INC (Continued) **1007200409**

Other Information: SPENT RINSEWATERS-PBR UNIT
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 124147
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 132 AQUEOUS SOL'N WITH METALS(OTHER)COPPER
Other Information: COPPER TETRAAMINO DICHLORIDE ETCHANT
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 124147
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 141 OFF-SPEC,AGED,SURPL INORGANICS
Other Information: FILTERS W/SN, PB
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 124147
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 141 OFF-SPEC,AGED,SURPL INORGANICS
Other Information: SOLDER STRIP
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 124147
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 171 METAL SLUDGE
Other Information: PBR 1 COPPER SLUDGE, WASTE TREATMENT-FILTER CARE
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 124147
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 171 METAL SLUDGE
Other Information: SOLDER DROSS
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 124147
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 181 INORGANIC SOLID WASTE (OTHER)
Other Information: PIMUCE
Material Waste: Waste
Hazardous Categories 1: Not reported

HUGHES CIRCUITS INC (Continued) **1007200409**

Hazardous Categories 2: Not reported

Permit Number: 124147
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 212 OXYGENATED SOLVENTS
Other Information: HN401B SWELLER W/40% GLYCOL ETHER
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 124147
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 221 WASTE OIL & MIXED OIL
Other Information: WASTE OIL, SOLDER FLUX
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 124147
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 352 ORGANIC SOLIDS (OTHER)
Other Information: NON-RCRA DEBRIS
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 124147
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 352 ORGANIC SOLIDS (OTHER)
Other Information: PHOTOPOLYMER BALLS
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 124147
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 541 PHOTOCHEM/PHOTOPROC WASTE
Other Information: FIXER WASTE
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 124147
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 726 LIQUIDS W NICKEL - R
Other Information: Not reported
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 124147

HUGHES CIRCUITS INC (Continued) **1007200409**

Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 792 LIQUIDS W/PH <OR= 2 W/METALS
Other Information:	DRUM RINSATES-CESW
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported
Permit Number:	124147
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 792 LIQUIDS W/PH <OR= 2 W/METALS....
Other Information:	COPPER CHLORIDE
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Violations Active Permits:

Permit Number:	124147
Update Date:	11/02/2012
Inspection Date:	04/20/2012
Violation Code:	6HV1008
Violation:	NO ANNUAL CARC/REPRO TOXIN LIST TO HMD
Violation Citation:	Annual carcinogen and reproductive toxin list not submitted to HMD. 68.1113(c)
Activity:	ACTIVE
Permit Number:	124147
Update Date:	11/02/2012
Inspection Date:	04/20/2012
Violation Code:	6HV1009
Violation:	HMBP: INADEQUATE SITE MAP
Violation Citation:	Business Plan does not have a site map which provides sufficient or complete information for emergency response agencies. HSC 25509(a)(5) & 25505(a)(2)
Activity:	ACTIVE
Permit Number:	124147
Update Date:	11/02/2012
Inspection Date:	04/20/2012
Violation Code:	6HV1017
Violation:	HMBP NOT CERTIFIED ANNUALLY
Violation Citation:	Business Plan not certified annually. 25505(d) & (e)(2)
Activity:	ACTIVE
Permit Number:	124147
Update Date:	11/02/2012
Inspection Date:	04/20/2012
Violation Code:	6HV1018
Violation:	INVENTORY INCOMPLETE/NOT AMENDED
Violation Citation:	Inventory not amended for 100% increase of hazardous material onsite or inventory is incomplete. 25509, 25510
Activity:	ACTIVE
Permit Number:	124147
Update Date:	11/02/2012
Inspection Date:	04/20/2012

HUGHES CIRCUITS INC (Continued) **1007200409**

Violation Code:	6HV0202
Violation:	WASTE CONTAINER W/O LABELS
Violation Citation:	Hazardous waste containers &/or tanks are missing labels, accumulation date and/or are improperly labeled. CCR 66262.34(a)(2); 66262.34(a)(3) & 66262.34(f)
Activity:	ACTIVE
Permit Number:	124147
Update Date:	11/02/2012
Inspection Date:	04/20/2012
Violation Code:	6HV0402
Violation:	TRAINING PROGRAM NOT ADEQUATE
Violation Citation:	Personnel training is not adequate to ensure compliance with hazardous waste regulations. CCR 66265.16(a)&(b)
Activity:	ACTIVE
Permit Number:	124147
Update Date:	11/02/2012
Inspection Date:	04/20/2012
Violation Code:	6HV1602
Violation:	P.E. ASSESSMENT REPORT NOT COMPLETE
Violation Citation:	Failed to provide adequate P.E. Assessment report for a HW tank system. 66265.191(g) or 66265.192(k)
Activity:	ACTIVE
Permit Number:	124147
Update Date:	11/02/2012
Inspection Date:	04/20/2012
Violation Code:	6HV1702
Violation:	TREATMENT NOTIFICATION NO DONE/INADEQ.
Violation Citation:	Onsite Hazardous Waste Treatment Notification pages (facility, unit & treatment process pages) not complete, accurate and/or on file with CUPA. {CE: 25201.5(d)(7) & 25201.14(c)(2); CA: 25200.3(e)(1); PBR: 67450.2(b) & 67450.3(c)}
Activity:	ACTIVE
Permit Number:	124147
Update Date:	11/02/2012
Inspection Date:	04/20/2012
Violation Code:	6HV1710
Violation:	UNIT SITE MAP/PLOT PLAN IS INADEQUATE
Violation Citation:	Site map/plot plan does not adequately show the location of all regulated treatment units. All FTUs: Title 19 CCR section 2729.2(a)(3) & {CE: 25201.5(d)(7); CA: 25200.3(e); PBR: 67450.2(b)(3)(B)}
Activity:	ACTIVE
Permit Number:	124147
Update Date:	11/02/2012
Inspection Date:	04/20/2012
Violation Code:	6HV1716
Violation:	INADEQ/NO WRITTEN UNIT OPERATING INSTR.
Violation Citation:	Inadequate or no written operating instructions for treatment unit (must include for every unit: how to operate unit, how to perform waste treatment, and how to manage residuals AND records of the dates, volumes, and types of wastes treated). Records must be kept 3 years for CE; 5 years for CA; or until closure for PBR unit. {CE:

HUGHES CIRCUITS INC (Continued) **1007200409**

25201.5(d)(3)&(5); CEL: 25201.14(c)(1); CA: 25200.3(c)(6) & (7); PBR: 67450.3(c)(9)(D) and 66265.73(a) & (b)(1)}
Activity: ACTIVE

Permit Number: 124147
Update Date: 11/02/2012
Inspection Date: 04/20/2012
Violation Code: 6HV1742
Violation: NO PE WRITTEN ASSESSMENT OBTAINED
Violation Citation: Facility has not obtained a written statement/assessment signed by an independent, California registered professional engineer (PE) certifying that tank system and secondary containment for tanks or containers meet all the design requirements of Title 22 CCR. For the CA tier, treatment in "containers" does not require a written statement signed by a PE for the containment area. {66264.175(c); & 66265.190 through 66265.202; PBR: 67450.3(c)(9) & (12); For CA 25200.3(c)(4)}
Activity: ACTIVE

Permit Number: 124147
Update Date: 11/02/2012
Inspection Date: 04/20/2012
Violation Code: 6HV1756
Violation: WRITTEN ANALYSIS PLAN INADEQUATE/ABSENT
Violation Citation: Written waste analysis plan does not exist or is inadequate in specifying parameters of analysis, testing methods, frequency of analysis and sampling methods used to obtain representative samples. {66265.13(b) & 67450.3(c)(9)(A)}
Activity: ACTIVE

Permit Number: 124147
Update Date: 11/02/2012
Inspection Date: 04/20/2012
Violation Code: 6HV1757
Violation: NO UNIT WRITTEN CLOSURE PLAN
Violation Citation: Facility does not have an adequate written closure plan (plan must specify how & when each unit will be closed, equipment decontamination steps & procedures, expected year of closure, and estimated time required to close each unit). {67450.3(c)(11)}
Activity: ACTIVE

Permit Number: 124147
Update Date: 11/02/2012
Inspection Date: 09/28/2004
Violation Code: 6HV1003
Violation: HMBP NOT AMENDED W/IN 30 DAYS
Violation Citation: Business plan was not amended within 30 days for a 100% quantity increase, new disclosable materials or a change in business info. HSC 25505
Activity: ACTIVE

Permit Number: 124147
Update Date: 11/02/2012
Inspection Date: 04/07/2006
Violation Code: 6HV1711
Violation: INADEQ./NO ONSITE UNIT INSPECTION SCHED.
Violation Citation: Inadequate or no onsite written inspection schedule for containers,

HUGHES CIRCUITS INC (Continued) **1007200409**

tanks, & equipment (must include inspections for safety equipment, emergency & security devices, specify problems checked for, and frequency of inspections). {For containers-CE: 25201.5(d)(4)&(5); CEL: 25201.14(c)(1); CA: 25200.3(c)(5); PBR: 67450.3(c)(8)(B) & 67450.3(c)(9)(A) & (D); 66265.15} (For tanks, also 66265.195)
Activity: ACTIVE

Permit Number: 124147
Update Date: 11/02/2012
Inspection Date: 04/07/2006
Violation Code: 6HV1756
Violation: WRITTEN ANALYSIS PLAN INADEQUATE/ABSENT
Violation Citation: Written waste analysis plan does not exist or is inadequate in specifying parameters of analysis, testing methods, frequency of analysis and sampling methods used to obtain representative samples. {66265.13(b) & 67450.3(c)(9)(A)}
Activity: ACTIVE

Permit Number: 124147
Update Date: 11/02/2012
Inspection Date: 04/07/2006
Violation Code: 6HV1757
Violation: NO UNIT WRITTEN CLOSURE PLAN
Violation Citation: Facility does not have an adequate written closure plan (plan must specify how & when each unit will be closed, equipment decontamination steps & procedures, expected year of closure, and estimated time required to close each unit). {67450.3(c)(11)}
Activity: ACTIVE

Permit Number: 124147
Update Date: 11/02/2012
Inspection Date: 04/07/2006
Violation Code: 6HV1712
Violation: INADEQ./NO RECORDS OF UNIT INSPECTIONS
Violation Citation: Inadequate or no onsite records/logs of inspections conducted (must include dates, times, name of inspector, observations, and specifics of any needed repairs or corrective actions). (3 years for CE and PBR units, 5 years for CA). {CE: 25201.5(d)(4)&(5), 25201.14(c)(1); CA: 25200.3(c)(5)&(7); PBR: 67450.3(c)(8) & (9)(A) & (D), 66265.73(a)&(b)(1); 66265.15(b) & (d)}
Activity: ACTIVE

Permit Number: 124147
Update Date: 11/02/2012
Inspection Date: 06/10/2009
Violation Code: 6HV1009
Violation: HMBP: INADEQUATE SITE MAP
Violation Citation: Business Plan does not have a site map which provides sufficient or complete information for emergency response agencies. HSC 25509(a)(5) & 25505(a)(2)
Activity: ACTIVE

Permit Number: 124147
Update Date: 11/02/2012
Inspection Date: 06/10/2009
Violation Code: 6HV0202
Violation: WASTE CONTAINER W/O LABELS

HUGHES CIRCUITS INC (Continued) **1007200409**

Violation Citation:	Hazardous waste containers &/or tanks are missing labels, accumulation date and/or are improperly labeled. CCR 66262.34(a)(2); 66262.34(a)(3) & 66262.34(f)
Activity:	ACTIVE
Permit Number:	124147
Update Date:	11/02/2012
Inspection Date:	08/12/2003
Violation Code:	6HV0142
Violation:	DID NOT NOTIFY OF TIERED PERMITTING
Violation Citation:	TIERED PERMITTING: Facility has failed to notify local CUPA and DTSC of eligible onsite treatment of hazardous waste. 25201(a)
Activity:	ACTIVE
Permit Number:	124147
Update Date:	11/02/2012
Inspection Date:	08/12/2003
Violation Code:	6HV1505
Violation:	NO WASTE MINIMIZ CERTIFICATION
Violation Citation:	TIERED PERMITTING:CA OR PBR-Generator does not have an annual waste minimization certification. (PBR submit with renewals.)
Activity:	ACTIVE
Permit Number:	124147
Update Date:	11/02/2012
Inspection Date:	08/12/2003
Violation Code:	6HV1559
Violation:	NO WRITTEN OPERATING INSTRUCTIONS/LOGS
Violation Citation:	TIERED PERMITTING-ALL UNITS:No written operating instructions and/or records of the dates, volumes, residual management, and types of wastes treated in the unit.
Activity:	ACTIVE
Permit Number:	124147
Update Date:	11/02/2012
Inspection Date:	08/12/2003
Violation Code:	6HV1564
Violation:	NO FIN ASSURANCE FOR CLOSURE
Violation Citation:	TIERED PERMITTING-CA&PBR: No Financial Assurance for closure cost estimates.
Activity:	ACTIVE
Permit Number:	124147
Update Date:	11/02/2012
Inspection Date:	08/12/2003
Violation Code:	6HV1651
Violation:	UNIT EXTERIOR NOT WELL MARKED
Violation Citation:	TIERED PERMITTING:The exterior of each unit is not marked with name of owner/operator, facility identification number and an individual serial number.
Activity:	ACTIVE
Permit Number:	124147
Update Date:	11/02/2012
Inspection Date:	08/12/2003
Violation Code:	6HV1559
Violation:	NO WRITTEN OPERATING INSTRUCTIONS/LOGS

HUGHES CIRCUITS INC (Continued) **1007200409**

Violation Citation:	TIERED PERMITTING-ALL UNITS:No written operating instructions and/or records of the dates, volumes, residual management, and types of wastes treated in the unit.
Activity:	ACTIVE
Permit Number:	124147
Update Date:	11/02/2012
Inspection Date:	08/12/2003
Violation Code:	6HV1564
Violation:	NO FIN ASSURANCE FOR CLOSURE
Violation Citation:	TIERED PERMITTING-CA&PBR: No Financial Assurance for closure cost estimates.
Activity:	ACTIVE
Permit Number:	124147
Update Date:	11/02/2012
Inspection Date:	08/12/2003
Violation Code:	6HV1651
Violation:	UNIT EXTERIOR NOT WELL MARKED
Violation Citation:	TIERED PERMITTING:The exterior of each unit is not marked with name of owner/operator, facility identification number and an individual serial number.
Activity:	ACTIVE
Permit Number:	124147
Update Date:	11/02/2012
Inspection Date:	08/12/2003
Violation Code:	6HV1559
Violation:	NO WRITTEN OPERATING INSTRUCTIONS/LOGS
Violation Citation:	TIERED PERMITTING-ALL UNITS:No written operating instructions and/or records of the dates, volumes, residual management, and types of wastes treated in the unit.
Activity:	ACTIVE
Name:	HUGHES CIRCUITS INC
Address:	540 S PACIFIC ST
City,State,Zip:	SAN MARCOS, CA 92078
Permit Number:	124147
Business Type:	6HK36
EPA Id Number:	CAR000113274
APN:	219-210-29-00
Last HMMD Inspection:	04/20/2012
Facility Telephone:	760-744-0300
Permit Status:	OPEN
Permit Expiration:	06/30/2013
Date Last Updated:	11/02/2012
Facility Owner:	JERRY HUGHES
Facility Mailing Address:	540 S PACIFIC ST
Facility Mailing City:	SAN MARCOS
Facility Mailing State:	CA
Facility Mailing Zip:	92078
UST Owner:	Not reported
Handle Regulated Hazmat:	Y
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Y

HUGHES CIRCUITS INC (Continued) **1007200409**

Treat Haz Waste: Y
Generate Medical Waste: Not reported

Inventory Active Permits (not SQG Medical):
Permit Number: 124147
Update Date: 11/02/2012
Case Number: 7664-93-9
Name: ACID CU PLATE 2001
Other Information: (280,280,110,400 TANKS)
Material Waste: Material
Hazardous Categories 1: REACTIVE
Hazardous Categories 2: ACUTE

Permit Number: 124147
Update Date: 11/02/2012
Case Number: 12125-02-9
Name: ACUGUARD PLUS W/AMMONIUM CHLORIDE
Other Information: REPLENISHER
Material Waste: Material
Hazardous Categories 1: REACTIVE
Hazardous Categories 2: ACUTE

Permit Number: 124147
Update Date: 11/02/2012
Case Number: Not reported
Name: CARCINOGENS &/OR REPRODUCTIVE TOXINS
Other Information: BELOW STATE DISCLOSURE AMTS ARE/MAY BE ON SITE
Material Waste: Not reported
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 124147
Update Date: 11/02/2012
Case Number: 7775-09-9
Name: CU OX 1645 W/SODIUM CHLORATE
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: REACTIVE
Hazardous Categories 2: ACUTE

Permit Number: 124147
Update Date: 11/02/2012
Case Number: 10125-13-0
Name: CUPRIC CHLORIDE
Other Information: ETCH SOLUTION
Material Waste: Material
Hazardous Categories 1: ACUTE
Hazardous Categories 2: Not reported

Permit Number: 124147
Update Date: 11/02/2012
Case Number: 7697-37-2
Name: ETCH, FOCUS TECH W/NITRIC ACID
Other Information: TSN 3000
Material Waste: Material
Hazardous Categories 1: REACTIVE
Hazardous Categories 2: ACUTE

HUGHES CIRCUITS INC (Continued) **1007200409**

Permit Number:	124147
Update Date:	11/02/2012
Case Number:	124-40-3
Name:	G GRABBER W/DIMETHYLAMINE
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	REACTIVE
Hazardous Categories 2:	ACUTE

Permit Number:	124147
Update Date:	11/02/2012
Case Number:	7647-01-0
Name:	HYDROCHLORIC ACID
Other Information:	MURIATIC ACID, 38%
Material Waste:	Material
Hazardous Categories 1:	REACTIVE
Hazardous Categories 2:	ACUTE

Permit Number:	124147
Update Date:	11/02/2012
Case Number:	1333-74-0
Name:	HYDROGEN, COMPRESSED GAS
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	PRESSURE RELEASE
Hazardous Categories 2:	Not reported

Permit Number:	124147
Update Date:	11/02/2012
Case Number:	7664-93-9
Name:	MILL COAG A-40 ALKALINE
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	ACUTE
Hazardous Categories 2:	Not reported

Permit Number:	124147
Update Date:	11/02/2012
Case Number:	7782-44-7
Name:	OXYGEN GAS
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	PRESSURE RELEASE
Hazardous Categories 2:	Not reported

Permit Number:	124147
Update Date:	11/02/2012
Case Number:	584-08-7
Name:	POTASSIUM CARBONAE SOLN
Other Information:	DEVELOPER, 45-50%
Material Waste:	Material
Hazardous Categories 1:	ACUTE
Hazardous Categories 2:	Not reported

Permit Number:	124147
Update Date:	11/02/2012
Case Number:	31694-55-0

HUGHES CIRCUITS INC (Continued) **1007200409**

Name: SOLDER OIL, HSL
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: ACUTE
Hazardous Categories 2: Not reported

Permit Number: 124147
Update Date: 11/02/2012
Case Number: 7732-18-5
Name: SOLDERON PLATE
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: REACTIVE
Hazardous Categories 2: ACUTE

Permit Number: 124147
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 111 ACID SOL'N WITH METALS - R (3)
Other Information: MICRO ETCH PRE DIP SOLN
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 124147
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 113 UNSPECIFIED ACID SOL'N - R
Other Information: STRIP RESIST RINSATE- PBR UNIT 2
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 124147
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 121 ALKALINE SOL'N WITH METALS
Other Information: CLEANER SOLN
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 124147
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 132 AQUEOUS SOL'N WITH METALS
Other Information: AMMONIUM ETCH
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 124147
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 132 AQUEOUS SOL'N WITH METALS
Other Information: MICRO ETCH COPRA BOND SOLN
Material Waste: Waste

HUGHES CIRCUITS INC (Continued) **1007200409**

Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 124147
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 132 AQUEOUS SOL'N WITH METALS (3_
Other Information: SPENT RINSEWATERS-PBR UNIT
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 124147
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 132 AQUEOUS SOL'N WITH METALS(OTHER)COPPER
Other Information: COPPER TETRAAMINO DICHLORIDE ETCHANT
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 124147
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 141 OFF-SPEC,AGED,SURPL INORGANICS
Other Information: FILTERS W/SN, PB
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 124147
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 141 OFF-SPEC,AGED,SURPL INORGANICS
Other Information: SOLDER STRIP
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 124147
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 171 METAL SLUDGE
Other Information: PBR 1 COPPER SLUDGE, WASTE TREATMENT-FILTER CARE
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 124147
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 171 METAL SLUDGE
Other Information: SOLDER DROSS
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

HUGHES CIRCUITS INC (Continued) **1007200409**

Permit Number:	124147
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 181 INORGANIC SOLID WASTE (OTHER)
Other Information:	PIMUCE
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Permit Number:	124147
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 212 OXYGENATED SOLVENTS
Other Information:	HN401B SWELLER W/40% GLYCOL ETHER
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Permit Number:	124147
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 221 WASTE OIL & MIXED OIL
Other Information:	WASTE OIL, SOLDER FLUX
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Permit Number:	124147
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 352 ORGANIC SOLIDS (OTHER)
Other Information:	NON-RCRA DEBRIS
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Permit Number:	124147
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 352 ORGANIC SOLIDS (OTHER)
Other Information:	PHOTOPOLYMER BALLS
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Permit Number:	124147
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 541 PHOTOCHEM/PHOTOPROC WASTE
Other Information:	FIXER WASTE
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Permit Number:	124147
Update Date:	11/02/2012
Case Number:	Not reported

HUGHES CIRCUITS INC (Continued) **1007200409**

Name: WASTE 726 LIQUIDS W NICKEL - R
Other Information: Not reported
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 124147
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 792 LIQUIDS W/PH <OR= 2 W/METALS
Other Information: DRUM RINSATES-CESW
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 124147
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 792 LIQUIDS W/PH <OR= 2 W/METALS....
Other Information: COPPER CHLORIDE
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Violations Active Permits:
Permit Number: 124147
Update Date: 11/02/2012
Inspection Date: 04/20/2012
Violation Code: 6HV1008
Violation: NO ANNUAL CARC/REPRO TOXIN LIST TO HMD
Violation Citation: Annual carcinogen and reproductive toxin list not submitted to HMD. 68.1113(c)
Activity: ACTIVE

Permit Number: 124147
Update Date: 11/02/2012
Inspection Date: 04/20/2012
Violation Code: 6HV1009
Violation: HMBP: INADEQUATE SITE MAP
Violation Citation: Business Plan does not have a site map which provides sufficient or complete information for emergency response agencies. HSC 25509(a)(5) & 25505(a)(2)
Activity: ACTIVE

Permit Number: 124147
Update Date: 11/02/2012
Inspection Date: 04/20/2012
Violation Code: 6HV1017
Violation: HMBP NOT CERTIFIED ANNUALLY
Violation Citation: Business Plan not certified annually. 25505(d) & (e)(2)
Activity: ACTIVE

Permit Number: 124147
Update Date: 11/02/2012
Inspection Date: 04/20/2012
Violation Code: 6HV1018
Violation: INVENTORY INCOMPLETE/NOT AMENDED

HUGHES CIRCUITS INC (Continued) **1007200409**

Violation Citation:	Inventory not amended for 100% increase of hazardous material onsite or inventory is incomplete. 25509, 25510
Activity:	ACTIVE
Permit Number:	124147
Update Date:	11/02/2012
Inspection Date:	04/20/2012
Violation Code:	6HV0202
Violation:	WASTE CONTAINER W/O LABELS
Violation Citation:	Hazardous waste containers &/or tanks are missing labels, accumulation date and/or are improperly labeled. CCR 66262.34(a)(2); 66262.34(a)(3) & 66262.34(f)
Activity:	ACTIVE
Permit Number:	124147
Update Date:	11/02/2012
Inspection Date:	04/20/2012
Violation Code:	6HV0402
Violation:	TRAINING PROGRAM NOT ADEQUATE
Violation Citation:	Personnel training is not adequate to ensure compliance with hazardous waste regulations. CCR 66265.16(a)&(b)
Activity:	ACTIVE
Permit Number:	124147
Update Date:	11/02/2012
Inspection Date:	04/20/2012
Violation Code:	6HV1602
Violation:	P.E. ASSESSMENT REPORT NOT COMPLETE
Violation Citation:	Failed to provide adequate P.E. Assessment report for a HW tank system. 66265.191(g) or 66265.192(k)
Activity:	ACTIVE
Permit Number:	124147
Update Date:	11/02/2012
Inspection Date:	04/20/2012
Violation Code:	6HV1702
Violation:	TREATMENT NOTIFICATION NO DONE/INADEQ.
Violation Citation:	Onsite Hazardous Waste Treatment Notification pages (facility, unit & treatment process pages) not complete, accurate and/or on file with CUPA. {CE: 25201.5(d)(7) & 25201.14(c)(2); CA: 25200.3(e)(1); PBR: 67450.2(b) & 67450.3(c)}
Activity:	ACTIVE
Permit Number:	124147
Update Date:	11/02/2012
Inspection Date:	04/20/2012
Violation Code:	6HV1710
Violation:	UNIT SITE MAP/PLOT PLAN IS INADEQUATE
Violation Citation:	Site map/plot plan does not adequately show the location of all regulated treatment units. All FTUs: Title 19 CCR section 2729.2(a)(3) & {CE: 25201.5(d)(7); CA: 25200.3(e); PBR: 67450.2(b)(3)(B)}
Activity:	ACTIVE
Permit Number:	124147
Update Date:	11/02/2012
Inspection Date:	04/20/2012

HUGHES CIRCUITS INC (Continued) **1007200409**

Violation Code:	6HV1716
Violation:	INADEQ/NO WRITTEN UNIT OPERATING INSTR.
Violation Citation:	Inadequate or no written operating instructions for treatment unit (must include for every unit: how to operate unit, how to perform waste treatment, and how to manage residuals AND records of the dates, volumes, and types of wastes treated). Records must be kept 3 years for CE; 5 years for CA; or until closure for PBR unit. {CE: 25201.5(d)(3)&(5); CEL: 25201.14(c)(1); CA: 25200.3(c)(6) & (7); PBR: 67450.3(c)(9)(D) and 66265.73(a) & (b)(1)}
Activity:	ACTIVE
Permit Number:	124147
Update Date:	11/02/2012
Inspection Date:	04/20/2012
Violation Code:	6HV1742
Violation:	NO PE WRITTEN ASSESSMENT OBTAINED
Violation Citation:	Facility has not obtained a written statement/assessment signed by an independent, California registered professional engineer (PE) certifying that tank system and secondary containment for tanks or containers meet all the design requirements of Title 22 CCR. For the CA tier, treatment in "containers" does not require a written statement signed by a PE for the containment area. {66264.175(c); & 66265.190 through 66265.202; PBR: 67450.3(c)(9) & (12); For CA 25200.3(c)(4)}
Activity:	ACTIVE
Permit Number:	124147
Update Date:	11/02/2012
Inspection Date:	04/20/2012
Violation Code:	6HV1756
Violation:	WRITTEN ANALYSIS PLAN INADEQUATE/ABSENT
Violation Citation:	Written waste analysis plan does not exist or is inadequate in specifying parameters of analysis, testing methods, frequency of analysis and sampling methods used to obtain representative samples. {66265.13(b) & 67450.3(c)(9)(A)}
Activity:	ACTIVE
Permit Number:	124147
Update Date:	11/02/2012
Inspection Date:	04/20/2012
Violation Code:	6HV1757
Violation:	NO UNIT WRITTEN CLOSURE PLAN
Violation Citation:	Facility does not have an adequate written closure plan (plan must specify how & when each unit will be closed, equipment decontamination steps & procedures, expected year of closure, and estimated time required to close each unit). {67450.3(c)(11)}
Activity:	ACTIVE
Permit Number:	124147
Update Date:	11/02/2012
Inspection Date:	09/28/2004
Violation Code:	6HV1003
Violation:	HMBP NOT AMENDED W/IN 30 DAYS
Violation Citation:	Business plan was not amended within 30 days for a 100% quantity increase, new disclosable materials or a change in business info. HSC 25505
Activity:	ACTIVE

HUGHES CIRCUITS INC (Continued) **1007200409**

Permit Number:	124147
Update Date:	11/02/2012
Inspection Date:	04/07/2006
Violation Code:	6HV1711
Violation:	INADEQ./NO ONSITE UNIT INSPECTION SCHED.
Violation Citation:	Inadequate or no onsite written inspection schedule for containers, tanks, & equipment (must include inspections for safety equipment, emergency & security devices, specify problems checked for, and frequency of inspections). {For containers-CE: 25201.5(d)(4)&(5); CEL: 25201.14(c)(1); CA: 25200.3(c)(5); PBR: 67450.3(c)(8)(B) & 67450.3(c)(9)(A) & (D); 66265.15} (For tanks, also 66265.195)
Activity:	ACTIVE

Permit Number:	124147
Update Date:	11/02/2012
Inspection Date:	04/07/2006
Violation Code:	6HV1756
Violation:	WRITTEN ANALYSIS PLAN INADEQUATE/ABSENT
Violation Citation:	Written waste analysis plan does not exist or is inadequate in specifying parameters of analysis, testing methods, frequency of analysis and sampling methods used to obtain representative samples. {66265.13(b) & 67450.3(c)(9)(A)}
Activity:	ACTIVE

Permit Number:	124147
Update Date:	11/02/2012
Inspection Date:	04/07/2006
Violation Code:	6HV1757
Violation:	NO UNIT WRITTEN CLOSURE PLAN
Violation Citation:	Facility does not have an adequate written closure plan (plan must specify how & when each unit will be closed, equipment decontamination steps & procedures, expected year of closure, and estimated time required to close each unit). {67450.3(c)(11)}
Activity:	ACTIVE

Permit Number:	124147
Update Date:	11/02/2012
Inspection Date:	04/07/2006
Violation Code:	6HV1712
Violation:	INADEQ./NO RECORDS OF UNIT INSPECTIONS
Violation Citation:	Inadequate or no onsite records/logs of inspections conducted (must include dates, times, name of inspector, observations, and specifics of any needed repairs or corrective actions). (3 years for CE and PBR units, 5 years for CA). {CE: 25201.5(d)(4)&(5), 25201.14(c)(1); CA: 25200.3(c)(5)&(7); PBR: 67450.3(c)(8) & (9)(A) & (D), 66265.73(a)&(b)(1); 66265.15(b) & (d)}
Activity:	ACTIVE

Permit Number:	124147
Update Date:	11/02/2012
Inspection Date:	06/10/2009
Violation Code:	6HV1009
Violation:	HMBP: INADEQUATE SITE MAP
Violation Citation:	Business Plan does not have a site map which provides sufficient or complete information for emergency response agencies. HSC 25509(a)(5) & 25505(a)(2)
Activity:	ACTIVE

HUGHES CIRCUITS INC (Continued) **1007200409**

Permit Number:	124147
Update Date:	11/02/2012
Inspection Date:	06/10/2009
Violation Code:	6HV0202
Violation:	WASTE CONTAINER W/O LABELS
Violation Citation:	Hazardous waste containers &/or tanks are missing labels, accumulation date and/or are improperly labeled. CCR 66262.34(a)(2); 66262.34(a)(3) & 66262.34(f)
Activity:	ACTIVE

Permit Number:	124147
Update Date:	11/02/2012
Inspection Date:	08/12/2003
Violation Code:	6HV0142
Violation:	DID NOT NOTIFY OF TIERED PERMITTING
Violation Citation:	TIERED PERMITTING: Facility has failed to notify local CUPA and DTSC of eligible onsite treatment of hazardous waste. 25201(a)
Activity:	ACTIVE

Permit Number:	124147
Update Date:	11/02/2012
Inspection Date:	08/12/2003
Violation Code:	6HV1505
Violation:	NO WASTE MINIMIZ CERTIFICATION
Violation Citation:	TIERED PERMITTING:CA OR PBR-Generator does not have an annual waste minimization certification. (PBR submit with renewals.)
Activity:	ACTIVE

Permit Number:	124147
Update Date:	11/02/2012
Inspection Date:	08/12/2003
Violation Code:	6HV1559
Violation:	NO WRITTEN OPERATING INSTRUCTIONS/LOGS
Violation Citation:	TIERED PERMITTING-ALL UNITS:No written operating instructions and/or records of the dates, volumes, residual management, and types of wastes treated in the unit.
Activity:	ACTIVE

Permit Number:	124147
Update Date:	11/02/2012
Inspection Date:	08/12/2003
Violation Code:	6HV1564
Violation:	NO FIN ASSURANCE FOR CLOSURE
Violation Citation:	TIERED PERMITTING-CA&PBR: No Financial Assurance for closure cost estimates.
Activity:	ACTIVE

Permit Number:	124147
Update Date:	11/02/2012
Inspection Date:	08/12/2003
Violation Code:	6HV1651
Violation:	UNIT EXTERIOR NOT WELL MARKED
Violation Citation:	TIERED PERMITTING:The exterior of each unit is not marked with name of owner/operator, facility identification number and an individual serial number.
Activity:	ACTIVE

HUGHES CIRCUITS INC (Continued) **1007200409**

Permit Number:	124147
Update Date:	11/02/2012
Inspection Date:	08/12/2003
Violation Code:	6HV1559
Violation:	NO WRITTEN OPERATING INSTRUCTIONS/LOGS
Violation Citation:	TIERED PERMITTING-ALL UNITS:No written operating instructions and/or records of the dates, volumes, residual management, and types of wastes treated in the unit.
Activity:	ACTIVE

Permit Number:	124147
Update Date:	11/02/2012
Inspection Date:	08/12/2003
Violation Code:	6HV1564
Violation:	NO FIN ASSURANCE FOR CLOSURE
Violation Citation:	TIERED PERMITTING-CA&PBR: No Financial Assurance for closure cost estimates.
Activity:	ACTIVE

Permit Number:	124147
Update Date:	11/02/2012
Inspection Date:	08/12/2003
Violation Code:	6HV1651
Violation:	UNIT EXTERIOR NOT WELL MARKED
Violation Citation:	TIERED PERMITTING:The exterior of each unit is not marked with name of owner/operator, facility identification number and an individual serial number.
Activity:	ACTIVE

Permit Number:	124147
Update Date:	11/02/2012
Inspection Date:	08/12/2003
Violation Code:	6HV1559
Violation:	NO WRITTEN OPERATING INSTRUCTIONS/LOGS
Violation Citation:	TIERED PERMITTING-ALL UNITS:No written operating instructions and/or records of the dates, volumes, residual management, and types of wastes treated in the unit.
Activity:	ACTIVE

Name:	HUGHES CIRCUITS INC
Address:	540 S PACIFIC ST
City,State,Zip:	SAN MARCOS, CA 92078
Permit Number:	124147
Business Type:	6HK36
EPA Id Number:	CAR000113274
APN:	219-210-29-00
Last HMMD Inspection:	04/20/2012
Facility Telephone:	760-744-0300
Permit Status:	OPEN
Permit Expiration:	06/30/2013
Date Last Updated:	11/02/2012
Facility Owner:	JERRY HUGHES
Facility Mailing Address:	540 S PACIFIC ST
Facility Mailing City:	SAN MARCOS
Facility Mailing State:	CA
Facility Mailing Zip:	92078

HUGHES CIRCUITS INC (Continued) **1007200409**

UST Owner: Not reported
Handle Regulated Hazmat: Y
Own Or Operate UST: Not reported
Subject To APSA: Not reported
Generate Haz Waste: Y
Treat Haz Waste: Y
Generate Medical Waste: Not reported

Inventory Active Permits (not SQG Medical):
Permit Number: 124147
Update Date: 11/02/2012
Case Number: 7664-93-9
Name: ACID CU PLATE 2001
Other Information: (280,280,110,400 TANKS)
Material Waste: Material
Hazardous Categories 1: REACTIVE
Hazardous Categories 2: ACUTE

Permit Number: 124147
Update Date: 11/02/2012
Case Number: 12125-02-9
Name: ACUGUARD PLUS W/AMMONIUM CHLORIDE
Other Information: REPLENISHER
Material Waste: Material
Hazardous Categories 1: REACTIVE
Hazardous Categories 2: ACUTE

Permit Number: 124147
Update Date: 11/02/2012
Case Number: Not reported
Name: CARCINOGENS &/OR REPRODUCTIVE TOXINS
Other Information: BELOW STATE DISCLOSURE AMTS ARE/MAY BE ON SITE
Material Waste: Not reported
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 124147
Update Date: 11/02/2012
Case Number: 7775-09-9
Name: CU OX 1645 W/SODIUM CHLORATE
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: REACTIVE
Hazardous Categories 2: ACUTE

Permit Number: 124147
Update Date: 11/02/2012
Case Number: 10125-13-0
Name: CUPRIC CHLORIDE
Other Information: ETCH SOLUTION
Material Waste: Material
Hazardous Categories 1: ACUTE
Hazardous Categories 2: Not reported

Permit Number: 124147
Update Date: 11/02/2012
Case Number: 7697-37-2
Name: ETCH, FOCUS TECH W/NITRIC ACID

HUGHES CIRCUITS INC (Continued) **1007200409**

Other Information: TSN 3000
Material Waste: Material
Hazardous Categories 1: REACTIVE
Hazardous Categories 2: ACUTE

Permit Number: 124147
Update Date: 11/02/2012
Case Number: 124-40-3
Name: G GRABBER W/DIMETHYLAMINE
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: REACTIVE
Hazardous Categories 2: ACUTE

Permit Number: 124147
Update Date: 11/02/2012
Case Number: 7647-01-0
Name: HYDROCHLORIC ACID
Other Information: MURIATIC ACID, 38%
Material Waste: Material
Hazardous Categories 1: REACTIVE
Hazardous Categories 2: ACUTE

Permit Number: 124147
Update Date: 11/02/2012
Case Number: 1333-74-0
Name: HYDROGEN, COMPRESSED GAS
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: PRESSURE RELEASE
Hazardous Categories 2: Not reported

Permit Number: 124147
Update Date: 11/02/2012
Case Number: 7664-93-9
Name: MILL COAG A-40 ALKALINE
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: ACUTE
Hazardous Categories 2: Not reported

Permit Number: 124147
Update Date: 11/02/2012
Case Number: 7782-44-7
Name: OXYGEN GAS
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: PRESSURE RELEASE
Hazardous Categories 2: Not reported

Permit Number: 124147
Update Date: 11/02/2012
Case Number: 584-08-7
Name: POTASSIUM CARBONAE SOLN
Other Information: DEVELOPER, 45-50%
Material Waste: Material
Hazardous Categories 1: ACUTE

HUGHES CIRCUITS INC (Continued) **1007200409**

Hazardous Categories 2: Not reported

Permit Number: 124147
Update Date: 11/02/2012
Case Number: 31694-55-0
Name: SOLDER OIL, HSL
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: ACUTE
Hazardous Categories 2: Not reported

Permit Number: 124147
Update Date: 11/02/2012
Case Number: 7732-18-5
Name: SOLDERON PLATE
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: REACTIVE
Hazardous Categories 2: ACUTE

Permit Number: 124147
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 111 ACID SOL'N WITH METALS - R (3)
Other Information: MICRO ETCH PRE DIP SOLN
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 124147
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 113 UNSPECIFIED ACID SOL'N - R
Other Information: STRIP RESIST RINSATE- PBR UNIT 2
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 124147
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 121 ALKALINE SOL'N WITH METALS
Other Information: CLEANER SOLN
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 124147
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 132 AQUEOUS SOL'N WITH METALS
Other Information: AMMONIUM ETCH
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 124147

HUGHES CIRCUITS INC (Continued) **1007200409**

Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 132 AQUEOUS SOL'N WITH METALS
Other Information: MICRO ETCH COPRA BOND SOLN
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 124147
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 132 AQUEOUS SOL'N WITH METALS (3_
Other Information: SPENT RINSEWATERS-PBR UNIT
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 124147
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 132 AQUEOUS SOL'N WITH METALS(OTHER)COPPER
Other Information: COPPER TETRAAMINO DICHLORIDE ETCHANT
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 124147
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 141 OFF-SPEC,AGED,SURPL INORGANICS
Other Information: FILTERS W/SN, PB
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 124147
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 141 OFF-SPEC,AGED,SURPL INORGANICS
Other Information: SOLDER STRIP
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 124147
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 171 METAL SLUDGE
Other Information: PBR 1 COPPER SLUDGE, WASTE TREATMENT-FILTER CARE
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 124147
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 171 METAL SLUDGE

HUGHES CIRCUITS INC (Continued) **1007200409**

Other Information: SOLDER DROSS
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 124147
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 181 INORGANIC SOLID WASTE (OTHER)
Other Information: PIMUCE
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 124147
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 212 OXYGENATED SOLVENTS
Other Information: HN401B SWELLER W/40% GLYCOL ETHER
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 124147
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 221 WASTE OIL & MIXED OIL
Other Information: WASTE OIL, SOLDER FLUX
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 124147
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 352 ORGANIC SOLIDS (OTHER)
Other Information: NON-RCRA DEBRIS
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 124147
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 352 ORGANIC SOLIDS (OTHER)
Other Information: PHOTOPOLYMER BALLS
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 124147
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 541 PHOTOCHEM/PHOTOPROC WASTE
Other Information: FIXER WASTE
Material Waste: Waste
Hazardous Categories 1: Not reported

HUGHES CIRCUITS INC (Continued) **1007200409**

Hazardous Categories 2: Not reported

Permit Number: 124147
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 726 LIQUIDS W NICKEL - R
Other Information: Not reported
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 124147
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 792 LIQUIDS W/PH <OR= 2 W/METALS
Other Information: DRUM RINSATES-CESW
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Permit Number: 124147
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 792 LIQUIDS W/PH <OR= 2 W/METALS....
Other Information: COPPER CHLORIDE
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Violations Active Permits:
Permit Number: 124147
Update Date: 11/02/2012
Inspection Date: 04/20/2012
Violation Code: 6HV1008
Violation: NO ANNUAL CARC/REPRO TOXIN LIST TO HMD
Violation Citation: Annual carcinogen and reproductive toxin list not submitted to HMD. 68.1113(c)
Activity: ACTIVE

Permit Number: 124147
Update Date: 11/02/2012
Inspection Date: 04/20/2012
Violation Code: 6HV1009
Violation: HMBP: INADEQUATE SITE MAP
Violation Citation: Business Plan does not have a site map which provides sufficient or complete information for emergency response agencies. HSC 25509(a)(5) & 25505(a)(2)
Activity: ACTIVE

Permit Number: 124147
Update Date: 11/02/2012
Inspection Date: 04/20/2012
Violation Code: 6HV1017
Violation: HMBP NOT CERTIFIED ANNUALLY
Violation Citation: Business Plan not certified annually. 25505(d) & (e)(2)
Activity: ACTIVE

HUGHES CIRCUITS INC (Continued) **1007200409**

Permit Number:	124147
Update Date:	11/02/2012
Inspection Date:	04/20/2012
Violation Code:	6HV1018
Violation:	INVENTORY INCOMPLETE/NOT AMENDED
Violation Citation:	Inventory not amended for 100% increase of hazardous material onsite or inventory is incomplete. 25509, 25510
Activity:	ACTIVE

Permit Number:	124147
Update Date:	11/02/2012
Inspection Date:	04/20/2012
Violation Code:	6HV0202
Violation:	WASTE CONTAINER W/O LABELS
Violation Citation:	Hazardous waste containers &/or tanks are missing labels, accumulation date and/or are improperly labeled. CCR 66262.34(a)(2); 66262.34(a)(3) & 66262.34(f)
Activity:	ACTIVE

Permit Number:	124147
Update Date:	11/02/2012
Inspection Date:	04/20/2012
Violation Code:	6HV0402
Violation:	TRAINING PROGRAM NOT ADEQUATE
Violation Citation:	Personnel training is not adequate to ensure compliance with hazardous waste regulations. CCR 66265.16(a)&(b)
Activity:	ACTIVE

Permit Number:	124147
Update Date:	11/02/2012
Inspection Date:	04/20/2012
Violation Code:	6HV1602
Violation:	P.E. ASSESSMENT REPORT NOT COMPLETE
Violation Citation:	Failed to provide adequate P.E. Assessment report for a HW tank system. 66265.191(g) or 66265.192(k)
Activity:	ACTIVE

Permit Number:	124147
Update Date:	11/02/2012
Inspection Date:	04/20/2012
Violation Code:	6HV1702
Violation:	TREATMENT NOTIFICATION NO DONE/INADEQ.
Violation Citation:	Onsite Hazardous Waste Treatment Notification pages (facility, unit & treatment process pages) not complete, accurate and/or on file with CUPA. {CE: 25201.5(d)(7) & 25201.14(c)(2); CA: 25200.3(e)(1); PBR: 67450.2(b) & 67450.3(c)}
Activity:	ACTIVE

Permit Number:	124147
Update Date:	11/02/2012
Inspection Date:	04/20/2012
Violation Code:	6HV1710
Violation:	UNIT SITE MAP/PLOT PLAN IS INADEQUATE
Violation Citation:	Site map/plot plan does not adequately show the location of all regulated treatment units. All FTUs: Title 19 CCR section 2729.2(a)(3) & {CE: 25201.5(d)(7); CA: 25200.3(e); PBR: 67450.2(b)(3)(B)}

HUGHES CIRCUITS INC (Continued) **1007200409**

Activity:	ACTIVE
Permit Number:	124147
Update Date:	11/02/2012
Inspection Date:	04/20/2012
Violation Code:	6HV1716
Violation:	INADEQ/NO WRITTEN UNIT OPERATING INSTR.
Violation Citation:	Inadequate or no written operating instructions for treatment unit (must include for every unit: how to operate unit, how to perform waste treatment, and how to manage residuals AND records of the dates, volumes, and types of wastes treated). Records must be kept 3 years for CE; 5 years for CA; or until closure for PBR unit. {CE: 25201.5(d)(3)&(5); CEL: 25201.14(c)(1); CA: 25200.3(c)(6) & (7); PBR: 67450.3(c)(9)(D) and 66265.73(a) & (b)(1)}
Activity:	ACTIVE
Permit Number:	124147
Update Date:	11/02/2012
Inspection Date:	04/20/2012
Violation Code:	6HV1742
Violation:	NO PE WRITTEN ASSESSMENT OBTAINED
Violation Citation:	Facility has not obtained a written statement/assessment signed by an independent, California registered professional engineer (PE) certifying that tank system and secondary containment for tanks or containers meet all the design requirements of Title 22 CCR. For the CA tier, treatment in "containers" does not require a written statement signed by a PE for the containment area. {66264.175(c); & 66265.190 through 66265.202; PBR: 67450.3(c)(9) & (12); For CA 25200.3(c)(4)}
Activity:	ACTIVE
Permit Number:	124147
Update Date:	11/02/2012
Inspection Date:	04/20/2012
Violation Code:	6HV1756
Violation:	WRITTEN ANALYSIS PLAN INADEQUATE/ABSENT
Violation Citation:	Written waste analysis plan does not exist or is inadequate in specifying parameters of analysis, testing methods, frequency of analysis and sampling methods used to obtain representative samples. {66265.13(b) & 67450.3(c)(9)(A)}
Activity:	ACTIVE
Permit Number:	124147
Update Date:	11/02/2012
Inspection Date:	04/20/2012
Violation Code:	6HV1757
Violation:	NO UNIT WRITTEN CLOSURE PLAN
Violation Citation:	Facility does not have an adequate written closure plan (plan must specify how & when each unit will be closed, equipment decontamination steps & procedures, expected year of closure, and estimated time required to close each unit). {67450.3(c)(11)}
Activity:	ACTIVE
Permit Number:	124147
Update Date:	11/02/2012
Inspection Date:	09/28/2004
Violation Code:	6HV1003

HUGHES CIRCUITS INC (Continued) **1007200409**

Violation:	HMBP NOT AMENDED W/IN 30 DAYS
Violation Citation:	Business plan was not amended within 30 days for a 100% quantity increase, new disclosable materials or a change in business info. HSC 25505
Activity:	ACTIVE
Permit Number:	124147
Update Date:	11/02/2012
Inspection Date:	04/07/2006
Violation Code:	6HV1711
Violation:	INADEQ./NO ONSITE UNIT INSPECTION SCHED.
Violation Citation:	Inadequate or no onsite written inspection schedule for containers, tanks, & equipment (must include inspections for safety equipment, emergency & security devices, specify problems checked for, and frequency of inspections). {For containers-CE: 25201.5(d)(4)&(5); CEL: 25201.14(c)(1); CA: 25200.3(c)(5); PBR: 67450.3(c)(8)(B) & 67450.3(c)(9)(A) & (D); 66265.15} (For tanks, also 66265.195)
Activity:	ACTIVE
Permit Number:	124147
Update Date:	11/02/2012
Inspection Date:	04/07/2006
Violation Code:	6HV1756
Violation:	WRITTEN ANALYSIS PLAN INADEQUATE/ABSENT
Violation Citation:	Written waste analysis plan does not exist or is inadequate in specifying parameters of analysis, testing methods, frequency of analysis and sampling methods used to obtain representative samples. {66265.13(b) & 67450.3(c)(9)(A)}
Activity:	ACTIVE
Permit Number:	124147
Update Date:	11/02/2012
Inspection Date:	04/07/2006
Violation Code:	6HV1757
Violation:	NO UNIT WRITTEN CLOSURE PLAN
Violation Citation:	Facility does not have an adequate written closure plan (plan must specify how & when each unit will be closed, equipment decontamination steps & procedures, expected year of closure, and estimated time required to close each unit). {67450.3(c)(11)}
Activity:	ACTIVE
Permit Number:	124147
Update Date:	11/02/2012
Inspection Date:	04/07/2006
Violation Code:	6HV1712
Violation:	INADEQ./NO RECORDS OF UNIT INSPECTIONS
Violation Citation:	Inadequate or no onsite records/logs of inspections conducted (must include dates, times, name of inspector, observations, and specifics of any needed repairs or corrective actions). (3 years for CE and PBR units, 5 years for CA). {CE: 25201.5(d)(4)&(5), 25201.14(c)(1); CA: 25200.3(c)(5)&(7); PBR: 67450.3(c)(8) & (9)(A) & (D), 66265.73(a)&(b)(1); 66265.15(b) & (d)}
Activity:	ACTIVE
Permit Number:	124147
Update Date:	11/02/2012
Inspection Date:	06/10/2009

HUGHES CIRCUITS INC (Continued) **1007200409**

Violation Code: 6HV1009
Violation: HMBP: INADEQUATE SITE MAP
Violation Citation: Business Plan does not have a site map which provides sufficient or complete information for emergency response agencies. HSC 25509(a)(5) & 25505(a)(2)
Activity: ACTIVE

Permit Number: 124147
Update Date: 11/02/2012
Inspection Date: 06/10/2009
Violation Code: 6HV0202
Violation: WASTE CONTAINER W/O LABELS
Violation Citation: Hazardous waste containers &/or tanks are missing labels, accumulation date and/or are improperly labeled. CCR 66262.34(a)(2); 66262.34(a)(3) & 66262.34(f)
Activity: ACTIVE

Permit Number: 124147
Update Date: 11/02/2012
Inspection Date: 08/12/2003
Violation Code: 6HV0142
Violation: DID NOT NOTIFY OF TIERED PERMITTING
Violation Citation: TIERED PERMITTING: Facility has failed to notify local CUPA and DTSC of eligible onsite treatment of hazardous waste. 25201(a)
Activity: ACTIVE

Permit Number: 124147
Update Date: 11/02/2012
Inspection Date: 08/12/2003
Violation Code: 6HV1505
Violation: NO WASTE MINIMIZ CERTIFICATION
Violation Citation: TIERED PERMITTING:CA OR PBR-Generator does not have an annual waste minimization certification. (PBR submit with renewals.)
Activity: ACTIVE

Permit Number: 124147
Update Date: 11/02/2012
Inspection Date: 08/12/2003
Violation Code: 6HV1559
Violation: NO WRITTEN OPERATING INSTRUCTIONS/LOGS
Violation Citation: TIERED PERMITTING-ALL UNITS:No written operating instructions and/or records of the dates, volumes, residual management, and types of wastes treated in the unit.
Activity: ACTIVE

Permit Number: 124147
Update Date: 11/02/2012
Inspection Date: 08/12/2003
Violation Code: 6HV1564
Violation: NO FIN ASSURANCE FOR CLOSURE
Violation Citation: TIERED PERMITTING-CA&PBR: No Financial Assurance for closure cost estimates.
Activity: ACTIVE

Permit Number: 124147
Update Date: 11/02/2012
Inspection Date: 08/12/2003

HUGHES CIRCUITS INC (Continued) **1007200409**

Violation Code: 6HV1651
Violation: UNIT EXTERIOR NOT WELL MARKED
Violation Citation: TIERED PERMITTING:The exterior of each unit is not marked with name of owner/operator, facility identification number and an individual serial number.
Activity: ACTIVE

Permit Number: 124147
Update Date: 11/02/2012
Inspection Date: 08/12/2003
Violation Code: 6HV1559
Violation: NO WRITTEN OPERATING INSTRUCTIONS/LOGS
Violation Citation: TIERED PERMITTING-ALL UNITS:No written operating instructions and/or records of the dates, volumes, residual management, and types of wastes treated in the unit.
Activity: ACTIVE

Permit Number: 124147
Update Date: 11/02/2012
Inspection Date: 08/12/2003
Violation Code: 6HV1564
Violation: NO FIN ASSURANCE FOR CLOSURE
Violation Citation: TIERED PERMITTING-CA&PBR: No Financial Assurance for closure cost estimates.
Activity: ACTIVE

Permit Number: 124147
Update Date: 11/02/2012
Inspection Date: 08/12/2003
Violation Code: 6HV1651
Violation: UNIT EXTERIOR NOT WELL MARKED
Violation Citation: TIERED PERMITTING:The exterior of each unit is not marked with name of owner/operator, facility identification number and an individual serial number.
Activity: ACTIVE

Permit Number: 124147
Update Date: 11/02/2012
Inspection Date: 08/12/2003
Violation Code: 6HV1559
Violation: NO WRITTEN OPERATING INSTRUCTIONS/LOGS
Violation Citation: TIERED PERMITTING-ALL UNITS:No written operating instructions and/or records of the dates, volumes, residual management, and types of wastes treated in the unit.
Activity: ACTIVE

CERS HAZ WASTE:
Name: HUGHES CIRCUITS INC
Address: 540 S PACIFIC ST
City,State,Zip: SAN MARCOS, CA 92078
Site ID: 37254
CERS ID: 10153361
CERS Description: Hazardous Waste Generator

Name: HUGHES CIRCUITS INC
Address: 540 S PACIFIC ST

HUGHES CIRCUITS INC (Continued) **1007200409**

City,State,Zip: SAN MARCOS, CA 92078
Site ID: 37254
CERS ID: 10153361
CERS Description: Hazardous Waste Onsite Treatment

Name: HUGHES CIRCUITS INC
Address: 540 S PACIFIC ST
City,State,Zip: SAN MARCOS, CA 92078
Site ID: 37254
CERS ID: 10153361
CERS Description: RCRA LQ HW Generator

FINDS:
Registry ID: 110012222264

Click Here for FRS Facility Detail Report:

Environmental Interest/Information System:
California Hazardous Waste Tracking System - Datamart (HWTS-DATAMART) provides California with information on hazardous waste shipments for generators, transporters, and treatment, storage, and disposal facilities.
US EPA TRIS (Toxics Release Inventory System) contains information from facilities on the amounts of over 300 listed toxic chemicals that these facilities release directly to air, water, land, or that are transported off-site.
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.
US National Pollutant Discharge Elimination System (NPDES) module of the Compliance Information System (ICIS) tracks surface water permits issued under the Clean Water Act. Under NPDES, all facilities that discharge pollutants from any point source into waters of the United States are required to obtain a permit. The permit will likely contain limits on what can be discharged, impose monitoring and reporting requirements, and include other provisions to ensure that the discharge does not adversely affect water quality.
HAZARDOUS WASTE BIENNIAL REPORTER
STATE MASTER

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:
Envid: 1007200409
Registry ID: 110012222264
DFR URL: http://echo.epa.gov/detailed-facility-report?fid=110012222264
Name: HUGHES CIRCUITS INC
Address: 540 S PACIFIC ST
City,State,Zip: SAN MARCOS, CA 92078

HAZNET:
Name: HUGHES CIRCUITS INC
Address: 540 S PACIFIC ST

HUGHES CIRCUITS INC (Continued) **1007200409**

Address 2:	Not reported
City,State,Zip:	SAN MARCOS, CA 920690000
Contact:	JEFF HUGHES
Telephone:	7607440300
Mailing Name:	Not reported
Mailing Address:	540 S PACIFIC ST
Year:	2002
Gepaid:	CAL000197060
TSD EPA ID:	CAD008488025
CA Waste Code:	792 - Liquids with pH <= 2 with metals
Disposal Method:	R01 - Recycler
Tons:	0.9174
Year:	2002
Gepaid:	CAL000197060
TSD EPA ID:	CAT080033681
CA Waste Code:	352 - Other organic solids
Disposal Method:	R01 - Recycler
Tons:	0.1375
Year:	2002
Gepaid:	CAL000197060
TSD EPA ID:	CAD050806850
CA Waste Code:	214 - Unspecified solvent mixture
Disposal Method:	H01 - Transfer Station
Tons:	0.2
Year:	2002
Gepaid:	CAL000197060
TSD EPA ID:	AZD980735500
CA Waste Code:	171 - Metal sludge (Alkaline solution (pH >= 12.5) with metals)
Disposal Method:	R01 - Recycler
Tons:	0.8428
Year:	2001
Gepaid:	CAL000197060
TSD EPA ID:	CAD05806850
CA Waste Code:	342 - Organic liquids with metals (Alkaline solution (pH >= 12.5) with metals)
Disposal Method:	H01 - Transfer Station
Tons:	0.225
Year:	2001
Gepaid:	CAL000197060
TSD EPA ID:	AZD980735500
CA Waste Code:	171 - Metal sludge (Alkaline solution (pH >= 12.5) with metals)
Disposal Method:	R01 - Recycler
Tons:	7.5852
Year:	2001
Gepaid:	CAL000197060
TSD EPA ID:	OHD980701072
CA Waste Code:	-
Disposal Method:	R01 - Recycler
Tons:	0.1625

HUGHES CIRCUITS INC (Continued) **1007200409**

Year: 2001
Gepaid: CAL000197060
TSD EPA ID: CAD008488025
CA Waste Code: 792 - Liquids with pH <= 2 with metals
Disposal Method: R01 - Recycler
Tons: 2.9814

Year: 2001
Gepaid: CAL000197060
TSD EPA ID: CAD008488025
CA Waste Code: 792 - Liquids with pH <= 2 with metals
Disposal Method: T01 - Treatment, Tank
Tons: 5.7336

Year: 2001
Gepaid: CAL000197060
TSD EPA ID: CAD05806850
CA Waste Code: 214 - Unspecified solvent mixture
Disposal Method: H01 - Transfer Station
Tons: 0.35

Click this hyperlink while viewing on your computer to access
9 additional CA HAZNET: record(s) in the EDR Site Report.

Additional Info:
Year: 2002
Gen EPA ID: CAL000197060

Shipment Date: 20020520
Creation Date: 8/29/2002 18:31:16
Receipt Date: 20020522
Manifest ID: 21887610
Trans EPA ID: SCR000074591
Trans Name: Not reported
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDF EPA ID: CAD050806850
Trans Name: Not reported
TSDF Alt EPA ID: Not reported
TSDF Alt Name: Not reported
Waste Code Description: 214 - Unspecified solvent mixture
RCRA Code: Not reported
Meth Code: H01 - Transfer Station
Quantity Tons: 0.2
Waste Quantity: 400
Quantity Unit: P
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 20020227
Creation Date: 7/25/2002 18:31:53
Receipt Date: 20020228
Manifest ID: 21208085

HUGHES CIRCUITS INC (Continued) **1007200409**

Trans EPA ID:	NJD986619328
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008488025
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	792 - Not reported
RCRA Code:	D002
Meth Code:	R01 - Recycler
Quantity Tons:	0.9174
Waste Quantity:	220
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20020206
Creation Date:	7/2/2002 18:32:18
Receipt Date:	20020207
Manifest ID:	20661755
Trans EPA ID:	CAD059240713
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080033681
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	R01 - Recycler
Quantity Tons:	0.1375
Waste Quantity:	275
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20020206
Creation Date:	7/8/2002 18:31:16
Receipt Date:	20020214
Manifest ID:	21061939
Trans EPA ID:	CAD059240713
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	AZD980735500
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	171 - Metal sludge (see 121

HUGHES CIRCUITS INC (Continued) **1007200409**

RCRA Code:	F006
Meth Code:	R01 - Recycler
Quantity Tons:	0.8428
Waste Quantity:	1
Quantity Unit:	Y
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2001
Gen EPA ID:	CAL000197060
Shipment Date:	20011213
Creation Date:	2/26/2002 0:00:00
Receipt Date:	20011227
Manifest ID:	20661714
Trans EPA ID:	CAD059240713
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080033681
Trans Name:	Not reported
TSDF Alt EPA ID:	CAT080033681
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	R01 - Recycler
Quantity Tons:	0.15
Waste Quantity:	300
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20011213
Creation Date:	2/20/2002 0:00:00
Receipt Date:	20011220
Manifest ID:	21061938
Trans EPA ID:	CAD059240713
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	AZD980735500
Trans Name:	Not reported
TSDF Alt EPA ID:	AZD980735500
TSDF Alt Name:	Not reported
Waste Code Description:	171 - Metal sludge (see 121
RCRA Code:	F006
Meth Code:	R01 - Recycler
Quantity Tons:	0.8428
Waste Quantity:	1
Quantity Unit:	Y

HUGHES CIRCUITS INC (Continued) **1007200409**

Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20011213
Creation Date:	2/26/2002 0:00:00
Receipt Date:	20011227
Manifest ID:	20661714
Trans EPA ID:	CAD059240713
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080033681
Trans Name:	Not reported
TSDF Alt EPA ID:	CAT080033681
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	D80 - Disposal, Land Fill
Quantity Tons:	0.15
Waste Quantity:	300
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20011205
Creation Date:	2/13/2002 0:00:00
Receipt Date:	20011207
Manifest ID:	21208084
Trans EPA ID:	CAD981446156
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008488025
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD008488025
TSDF Alt Name:	Not reported
Waste Code Description:	792 - Not reported
RCRA Code:	D002
Meth Code:	R01 - Recycler
Quantity Tons:	0.688
Waste Quantity:	165
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20011205
Creation Date:	2/13/2002 0:00:00
Receipt Date:	20011207

HUGHES CIRCUITS INC (Continued) **1007200409**

Manifest ID:	21208084
Trans EPA ID:	CAD981446156
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008488025
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD008488025
TSDF Alt Name:	Not reported
Waste Code Description:	792 - Not reported
RCRA Code:	D002
Meth Code:	R01 - Recycler
Quantity Tons:	0.9174
Waste Quantity:	220
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20011106
Creation Date:	2/20/2002 0:00:00
Receipt Date:	20011113
Manifest ID:	21012746
Trans EPA ID:	SCR000074591
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD050806850
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	214 - Unspecified solvent mixture
RCRA Code:	Not reported
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.175
Waste Quantity:	350
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20011029
Creation Date:	1/29/2002 0:00:00
Receipt Date:	20011106
Manifest ID:	21061937
Trans EPA ID:	CAD059240713
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	AZD980735500
Trans Name:	Not reported
TSDF Alt EPA ID:	AZD980735500
TSDF Alt Name:	Not reported

HUGHES CIRCUITS INC (Continued) **1007200409**

Waste Code Description:	171 - Metal sludge (see 121
RCRA Code:	F006
Meth Code:	R01 - Recycler
Quantity Tons:	1.6856
Waste Quantity:	2
Quantity Unit:	Y
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20011003
Creation Date:	1/16/2002 0:00:00
Receipt Date:	20011004
Manifest ID:	20177494
Trans EPA ID:	NJD986619328
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008488025
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	792 - Not reported
RCRA Code:	D002
Meth Code:	R01 - Recycler
Quantity Tons:	0.688
Waste Quantity:	165
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20011003
Creation Date:	1/16/2002 0:00:00
Receipt Date:	20011004
Manifest ID:	20177494
Trans EPA ID:	NJD986619328
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008488025
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	792 - Not reported
RCRA Code:	D002
Meth Code:	R01 - Recycler
Quantity Tons:	0.688
Waste Quantity:	165
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported

HUGHES CIRCUITS INC (Continued) **1007200409**

Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20010810
Creation Date:	10/23/2001 0:00:00
Receipt Date:	20010813
Manifest ID:	21061936
Trans EPA ID:	CAD059240713
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	AZD980735500
Trans Name:	Not reported
TSDF Alt EPA ID:	AZD980735500
TSDF Alt Name:	Not reported
Waste Code Description:	171 - Metal sludge (see 121
RCRA Code:	F006
Meth Code:	R01 - Recycler
Quantity Tons:	1.6856
Waste Quantity:	2
Quantity Unit:	Y
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2000
Gen EPA ID:	CAL000197060
Shipment Date:	20001129
Creation Date:	1/24/2001 0:00:00
Receipt Date:	20001130
Manifest ID:	20177490
Trans EPA ID:	CAD981446156
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008488025
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD008488025
TSDF Alt Name:	Not reported
Waste Code Description:	792 - Not reported
RCRA Code:	D002
Meth Code:	T01 - Treatment, Tank
Quantity Tons:	0.9174
Waste Quantity:	220
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20001129
Creation Date:	1/24/2001 0:00:00

HUGHES CIRCUITS INC (Continued) **1007200409**

Receipt Date:	20001130
Manifest ID:	20177490
Trans EPA ID:	CAD981446156
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008488025
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD008488025
TSDF Alt Name:	Not reported
Waste Code Description:	792 - Not reported
RCRA Code:	D002
Meth Code:	T01 - Treatment, Tank
Quantity Tons:	0.9174
Waste Quantity:	220
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20001114
Creation Date:	1/24/2001 0:00:00
Receipt Date:	20001122
Manifest ID:	20142649
Trans EPA ID:	CAD059240713
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	AZD980735500
Trans Name:	Not reported
TSDF Alt EPA ID:	AZD980735500
TSDF Alt Name:	Not reported
Waste Code Description:	171 - Metal sludge (see 121
RCRA Code:	F006
Meth Code:	R01 - Recycler
Quantity Tons:	1.6856
Waste Quantity:	2
Quantity Unit:	Y
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20001004
Creation Date:	12/13/2000 0:00:00
Receipt Date:	20001005
Manifest ID:	20177439
Trans EPA ID:	CAD981446156
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008488025
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD008488025

HUGHES CIRCUITS INC (Continued) **1007200409**

TSDF Alt Name:	Not reported
Waste Code Description:	792 - Not reported
RCRA Code:	D002
Meth Code:	T01 - Treatment, Tank
Quantity Tons:	0.9174
Waste Quantity:	220
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20001004
Creation Date:	12/13/2000 0:00:00
Receipt Date:	20001005
Manifest ID:	20177439
Trans EPA ID:	CAD981446156
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008488025
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD008488025
TSDF Alt Name:	Not reported
Waste Code Description:	792 - Not reported
RCRA Code:	D002
Meth Code:	T01 - Treatment, Tank
Quantity Tons:	0.688
Waste Quantity:	165
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20000905
Creation Date:	11/14/2000 0:00:00
Receipt Date:	20000912
Manifest ID:	98888733
Trans EPA ID:	CAD059240713
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080033681
Trans Name:	Not reported
TSDF Alt EPA ID:	CAT080033681
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	R01 - Recycler
Quantity Tons:	0.175
Waste Quantity:	350
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported

HUGHES CIRCUITS INC (Continued) **1007200409**

Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20000905
Creation Date:	12/8/2000 0:00:00
Receipt Date:	20000907
Manifest ID:	20069836
Trans EPA ID:	CAD059240713
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	AZD980735500
Trans Name:	Not reported
TSDF Alt EPA ID:	AZD980735500
TSDF Alt Name:	Not reported
Waste Code Description:	171 - Metal sludge (see 121
RCRA Code:	F006
Meth Code:	R01 - Recycler
Quantity Tons:	1.6856
Waste Quantity:	2
Quantity Unit:	Y
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20000712
Creation Date:	9/11/2000 0:00:00
Receipt Date:	20000713
Manifest ID:	99736775
Trans EPA ID:	CAD981446156
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008488025
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD008488025
TSDF Alt Name:	Not reported
Waste Code Description:	792 - Not reported
RCRA Code:	D002
Meth Code:	T01 - Treatment, Tank
Quantity Tons:	0.9174
Waste Quantity:	220
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20000712
Creation Date:	9/11/2000 0:00:00
Receipt Date:	20000713
Manifest ID:	99736775
Trans EPA ID:	CAD981446156

HUGHES CIRCUITS INC (Continued) **1007200409**

Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008488025
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD008488025
TSDF Alt Name:	Not reported
Waste Code Description:	792 - Not reported
RCRA Code:	D002
Meth Code:	T01 - Treatment, Tank
Quantity Tons:	1.3761
Waste Quantity:	330
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20000615
Creation Date:	8/28/2000 0:00:00
Receipt Date:	20000621
Manifest ID:	99809577
Trans EPA ID:	SCR000074591
Trans Name:	Not reported
Trans 2 EPA ID:	CAT000624247
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD050806850
Trans Name:	Not reported
TSDF Alt EPA ID:	HFHQ38000200
TSDF Alt Name:	Not reported
Waste Code Description:	214 - Unspecified solvent mixture
RCRA Code:	Not reported
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.2
Waste Quantity:	400
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	1999
Gen EPA ID:	CAL000197060

Shipment Date:	19991101
Creation Date:	2/1/2000 0:00:00
Receipt Date:	19991110
Manifest ID:	99449777
Trans EPA ID:	CAD059240713
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	AZD980735500
Trans Name:	Not reported

HUGHES CIRCUITS INC (Continued) **1007200409**

TSDF Alt EPA ID:	AZD980735500
TSDF Alt Name:	Not reported
Waste Code Description:	171 - Metal sludge (see 121
RCRA Code:	F006
Meth Code:	R01 - Recycler
Quantity Tons:	0.8428
Waste Quantity:	1
Quantity Unit:	Y
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

NPDES:

Name:	HUGHES CIRCUITS INC
Address:	540 SOUTH PACIFIC STREET
City,State,Zip:	SAN MARCOS, CA 92078
Facility Status:	Not reported
NPDES Number:	Not reported
Region:	Not reported
Agency Number:	Not reported
Regulatory Measure ID:	Not reported
Place ID:	Not reported
Order Number:	Not reported
WDID:	9 37IN601082
Regulatory Measure Type:	Industrial
Program Type:	Not reported
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Discharge Address:	Not reported
Discharge Name:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
Status:	Undetermined
Status Date:	05/16/2011
Operator Name:	Jerry Hughes
Operator Address:	540 South Pacific Street
Operator City:	San Marcos
Operator State:	California
Operator Zip:	92078

CERS:

Name:	HUGHES CIRCUITS INC
Address:	540 S PACIFIC ST
City,State,Zip:	SAN MARCOS, CA 92078
Site ID:	37254
CERS ID:	881239
CERS Description:	Industrial Facility Storm Water

Violations:

Site ID:	37254
Site Name:	HUGHES CIRCUITS INC
Violation Date:	02-12-2014

HUGHES CIRCUITS INC (Continued) **1007200409**

Citation: 22 CCR 15 66265.193 - California Code of Regulations, Title 22, Chapter 15, Section(s) 66265.193
Violation Description: Failure of the LQG and/or TP generator, on all new and existing hazardous waste tank systems and ancillary equipment, to meet the following secondary containment requirements: 1) Designed, installed, and operated to prevent any migration of wastes or accumulated liquid out of the system to the soil, ground water, or surface water at any time during the use of the tank system; and 2) Capable of detecting and collecting releases and accumulated liquids until the collected material is removed. 3) Constructed of or lined with materials that are compatible with the waste(s) to be placed in the tank system and shall have sufficient strength and thickness to prevent failure due to pressure gradients (including static head and external hydrological forces), physical contact with the waste to which they are exposed, climatic conditions, the stress of installation, and the stress of daily operation (including stresses from nearby vehicular traffic); 4) Placed on a foundation or base capable of providing support to the secondary containment system and resistance to pressure gradients above and below the system and capable of preventing failure due to settlement, compression, or uplift; 5) Provided with a leak detection system that is designed and operated so that it will detect the failure of either the primary and secondary containment structure or any release of hazardous waste or accumulated liquid in the secondary containment system within 24 hours, or at the earliest practicable time if the existing detection technology or site conditions will not allow detection of a release within 24 hours; 6) Sloped or otherwise designed or operated to drain and remove liquids resulting from leaks, spills, or precipitation. Spilled or leaked waste and accumulated precipitation shall be removed from the secondary containment system within 24 hours, or in as timely a manner as is possible to prevent harm to human health or the environment, if removal of the released waste or accumulated precipitation cannot be accomplished within 24
Violation Notes: Returned to compliance on 04/28/2014.
Violation Division: San Diego County Department of Env Health
Violation Program: HW
Violation Source: CERS,

Site ID: 37254
Site Name: HUGHES CIRCUITS INC
Violation Date: 02-12-2014
Citation: 22 CCR 15 66265.16 - California Code of Regulations, Title 22, Chapter 15, Section(s) 66265.16
Violation Description: Failure to provide employees within the first six months after the date of their employment, or assignment to the facility, or to work unsupervised, or to a new position at a facility with hazardous waste training to ensure employees are competent in the following areas: hazardous waste management procedures (including contingency plan implementation) relevant to the positions in which they are employed, emergency response and emergency equipment, and procedures for using, inspecting, repairing, and replacing facility emergency and monitoring equipment. In addition, the owner/operator shall ensure facility personnel take part in an annual review of the initial training and training records training records on current personnel shall be kept until closure of the facility. Training records on former employees shall be kept for at least three years from the date the employee last worked at the facility. The records shall include the following: the job title for each position at the facility related to hazardous waste

HUGHES CIRCUITS INC (Continued) **1007200409**

management, and the name of the employee filling each job; a written job description for each position, duties of facility personnel assigned to each position, and a written description of the type and amount of both introductory and continuing training that will be given to each person filling a position.
Violation Notes: Returned to compliance on 05/20/2014.
Violation Division: San Diego County Department of Env Health
Violation Program: HW
Violation Source: CERS,

Site ID: 37254
Site Name: HUGHES CIRCUITS INC
Violation Date: 07-19-2016
Citation: HSC 6.5 25201(a) - California Health and Safety Code, Chapter 6.5, Section(s) 25201(a)
Violation Description: Failure to obtain a permit or grant of interim status to accumulate hazardous waste longer than 90 days.
Violation Notes: Returned to compliance on 10/03/2016. Inspection Sequence ID:4086966
Violation Division: San Diego County Department of Env Health
Violation Program: HW
Violation Source: CERS,

Site ID: 37254
Site Name: HUGHES CIRCUITS INC
Violation Date: 07-19-2016
Citation: 22 CCR 45 67450.2(b)(2) - California Code of Regulations, Title 22, Chapter 45, Section(s) 67450.2(b)(2)
Violation Description: Failure to submit the signature page for the onsite treatment notification.
Violation Notes: Returned to compliance on 12/29/2017. Inspection Sequence ID:4086966;Tank ID:1,2;Violation:HMD1757 Facility does not have an satisfactory written closure plan (plan must specify how & when each unit will be closed, sampling information when applicable, equipment decontamination steps & procedures, expected year of closure, and estimated time required to close each unit). 22 CCR 67450.3(c)(11)
Violation Division: San Diego County Department of Env Health
Violation Program: PBR
Violation Source: CERS,

Site ID: 37254
Site Name: HUGHES CIRCUITS INC
Violation Date: 06-10-2009
Citation: HSC 6.67 Multiple Sections - California Health and Safety Code, Chapter 6.67, Section(s) Multiple Sections
Violation Description: RCRA Large Quantity Generator Program - Administration/Documentation - General
Violation Notes: Returned to compliance on 06/24/2009.
Violation Division: San Diego County Department of Env Health
Violation Program: HWLQG
Violation Source: CERS,

Site ID: 37254
Site Name: HUGHES CIRCUITS INC
Violation Date: 02-12-2014
Citation: HSC 6.95 25505(b) - California Health and Safety Code, Chapter 6.95, Section(s) 25505(b)
Violation Description: Failure to submit a revised business plan upon a substantial change in

HUGHES CIRCUITS INC (Continued) **1007200409**

the handler's operations.
Violation Notes: Returned to compliance on 05/20/2014.
Violation Division: San Diego County Department of Env Health
Violation Program: HMRRP
Violation Source: CERS,

Site ID: 37254
Site Name: HUGHES CIRCUITS INC
Violation Date: 07-12-2021
Citation: 22 CCR 12 66262.34(f) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.34(f)
Violation Description: Failure to properly label hazardous waste accumulation containers and portable tanks with the following requirements: "Hazardous Waste", name and address of the generator, physical and chemical characteristics of the Hazardous Waste, and starting accumulation date.
Violation Notes: Returned to compliance on 07/14/2021. Inspection Sequence ID:6768168
Violation Division: San Diego County Department of Env Health
Violation Program: HW
Violation Source: CERS,

Site ID: 37254
Site Name: HUGHES CIRCUITS INC
Violation Date: 07-19-2016
Citation: 22 CCR 12 66262.34(f) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.34(f)
Violation Description: Failure to properly label hazardous waste accumulation containers with the following requirements: "Hazardous Waste", name and address of the generator, physical and chemical characteristics of the Hazardous Waste, and starting accumulation date.
Violation Notes: Returned to compliance on 07/20/2016. Inspection Sequence ID:4086966
Violation Division: San Diego County Department of Env Health
Violation Program: HW
Violation Source: CERS,

Site ID: 37254
Site Name: HUGHES CIRCUITS INC
Violation Date: 02-12-2014
Citation: 22 CCR 15 66265.192(k) - California Code of Regulations, Title 22, Chapter 15, Section(s) 66265.192(k)
Violation Description: Failure of the new hazardous waste tank assessment to include all of the following information: 1) Tank configuration (i.e., horizontal, vertical), material of construction, and gross capacity (in gallons); 2) Design standard(s), if available, according to which the tank and ancillary equipment were or will be constructed and all of the following information: A) Material of construction; B) material thickness and the method used to determine the thickness; C) description of tank system piping (material, diameter); D) description of any internal and external pumps; and E) sketch or drawing of tank including dimensions. 3) Documented age of the tank system (if tank was previously used), if available, (otherwise, an estimate of the age); 4) Description and evaluation of any leak detection equipment; 5) Description and evaluation of any corrosion protection equipment, devices, or material; 6) Description and evaluation of any spill prevention or overfill equipment; 7) Description and evaluation of secondary containment for the tank system (secondary containment must meet minimum standards as specified in subsections (j)(1) through

HUGHES CIRCUITS INC (Continued) **1007200409**

(j)(3) of this section) including applicable secondary containment for ancillary equipment as required in subsection 66265.193(f); 8) Hazardous characteristics of the waste(s) that have been or will be handled; 9) Prior to placing a new tank system or component in use, an independent, qualified installation inspector or an independent, qualified, professional engineer, registered in California, either of whom is trained and experienced in the proper installation of tank systems, shall inspect the system or component for the presence of any of the following items and document in writing the results of the inspection: A) Weld cracks or breaks; B) scrapes of protective coatings; C) corrosion; D) any structural damage or inadequate construction or installation such as cracks, punctures, damaged fittings. All discrepancies shall be documented in the assessment and remedied before the tank syste

Violation Notes: Returned to compliance on 04/28/2014.
Violation Division: San Diego County Department of Env Health
Violation Program: HW
Violation Source: CERS,

Site ID: 37254
Site Name: HUGHES CIRCUITS INC
Violation Date: 07-19-2016
Citation: 22 CCR 45 67450.2(b)(2) - California Code of Regulations, Title 22, Chapter 45, Section(s) 67450.2(b)(2)
Violation Description: Failure to submit the signature page for the onsite treatment notification.
Violation Notes: Returned to compliance on 12/09/2016. Inspection Sequence ID:4086966;Tank ID:1,2;Violation:HMD1716 Inadequate or no written operating instructions for unit (how to do waste treatment, and how to manage residuals; AND records of the dates, volumes, and types of wastes treated). Records must be kept 3 years for CE; 5 years for CA; or until closure-PBR unit. CE: HSC 25201.5(d)(3)&(5); CEL: HSC 25201.14(c)(1); CA: HSC 25200.3(c)(6) & (7); PBR: 22 CCR 67450.3(c)(9)(D), 66265.73(a) & (b)(1)
Violation Division: San Diego County Department of Env Health
Violation Program: PBR
Violation Source: CERS,

Site ID: 37254
Site Name: HUGHES CIRCUITS INC
Violation Date: 08-22-2018
Citation: HSC 6.5 Multiple - California Health and Safety Code, Chapter 6.5, Section(s) Multiple
Violation Description: Hazardous Waste Generator Program - Operations/Maintenance - General
Violation Notes: Returned to compliance on 08/22/2018. Inspection Sequence ID:5951811;Violation:HMD0152 Failed to report &/or update the required inventory information for hazardous waste(s) generated at the facility in CERS. SDCC 68.904(a)(2)
Violation Division: San Diego County Department of Env Health
Violation Program: HW
Violation Source: CERS,

Site ID: 37254
Site Name: HUGHES CIRCUITS INC
Violation Date: 08-22-2018
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)

HUGHES CIRCUITS INC (Continued) **1007200409**

Violation Description:	Failure to complete and electronically submit hazardous material inventory information for all reportable hazardous materials on site at or above reportable quantities.
Violation Notes:	Returned to compliance on 08/22/2018. Inspection Sequence ID:5951811
Violation Division:	San Diego County Department of Env Health
Violation Program:	HMRRP
Violation Source:	CERS,
Site ID:	37254
Site Name:	HUGHES CIRCUITS INC
Violation Date:	07-19-2016
Citation:	22 CCR 45 67450.2(b)(2) - California Code of Regulations, Title 22, Chapter 45, Section(s) 67450.2(b)(2)
Violation Description:	Failure to submit the signature page for the onsite treatment notification.
Violation Notes:	Returned to compliance on 03/05/2018. Inspection Sequence ID:4086966;Tank ID:1,2;Violation:HMD1756 Written waste analysis plan does not exist or is inadequate in specifying parameters of analysis, testing methods, frequency of sampling and analysis, and sampling methods used to obtain representative samples. 22 CCR 66265.13(b) & 67450.3(c)(9)(A)
Violation Division:	San Diego County Department of Env Health
Violation Program:	PBR
Violation Source:	CERS,
Site ID:	37254
Site Name:	HUGHES CIRCUITS INC
Violation Date:	07-19-2016
Citation:	22 CCR 15 66265.173 - California Code of Regulations, Title 22, Chapter 15, Section(s) 66265.173
Violation Description:	Failure to meet the following container management requirements: (a) A container holding hazardous waste must always be closed during storage, except when it is necessary to add or remove waste. (b) A container holding hazardous waste must not be opened, handled, or stored in a manner which may rupture the container or cause it to leak.
Violation Notes:	Returned to compliance on 07/22/2016. Inspection Sequence ID:4086966
Violation Division:	San Diego County Department of Env Health
Violation Program:	HW
Violation Source:	CERS,
Site ID:	37254
Site Name:	HUGHES CIRCUITS INC
Violation Date:	02-12-2014
Citation:	19 CCR 4 2729.5 - California Code of Regulations, Title 19, Chapter 4, Section(s) 2729.5
Violation Description:	Failure to submit inventory reports (Activities, Owner/Operator, Hazardous Materials Descriptions and Map pages, if required. Documentation must be resubmitted (for facilities which exceed EPCRA thresholds) or re-certified (for facilities which do not exceed EPCRA thresholds) by March 1.
Violation Notes:	Returned to compliance on 05/20/2014.
Violation Division:	San Diego County Department of Env Health
Violation Program:	HMRRP
Violation Source:	CERS,
Site ID:	37254

HUGHES CIRCUITS INC (Continued) **1007200409**

Site Name:	HUGHES CIRCUITS INC
Violation Date:	07-12-2021
Citation:	22 CCR 45 67450.3(c)(9)(A) - California Code of Regulations, Title 22, Chapter 45, Section(s) 67450.3(c)(9)(A)
Violation Description:	Failure of an owner or operator to obtain a detailed chemical and physical analysis of a representative sample of the waste, which includes all information necessary to manage waste in accordance with the requirements, and to meet LDR requirements; Failure to analyze wastes according to the frequency specified in the plan and to retain waste analysis documentation for three years.
Violation Notes:	Returned to compliance on 08/10/2021. Container
Violation Division:	San Diego County Department of Env Health
Violation Program:	PBR
Violation Source:	CERS,
Site ID:	37254
Site Name:	HUGHES CIRCUITS INC
Violation Date:	02-12-2014
Citation:	HSC 6.95 25505(c) - California Health and Safety Code, Chapter 6.95, Section(s) 25505(c)
Violation Description:	Failure to review, revise, and recertify the business plan at least once every three years.
Violation Notes:	Returned to compliance on 05/20/2014.
Violation Division:	San Diego County Department of Env Health
Violation Program:	HMRRP
Violation Source:	CERS,
Site ID:	37254
Site Name:	HUGHES CIRCUITS INC
Violation Date:	08-22-2018
Citation:	22 CCR 11 66261.7 - California Code of Regulations, Title 22, Chapter 11, Section(s) 66261.7
Violation Description:	Failure to manage empty containers greater than 5 gallons in capacity that previously held a hazardous material/waste in accordance with 22 CCR 11 66261.7 including but not limited to the following: (e)(2)By reclaiming its scrap value onsite or shipping the container or inner liner to a person who reclaims its scrap value; or (3) By reconditioning or re manufacturing the container or inner liner onsite for subsequent reuse, or shipping the container or inner liner to a person who reconditions or re-manufactures the container or inner liner; or (4) By shipping the container or inner liner to a supplier or to another intermediate collection location for accumulation prior to managing the container or inner liner pursuant to subsections (e)(2) or (e)(3) of 22 CCR 11 66261.7; or (i) By shipping the container or inner liner back to the supplier for the purpose of being refilled. (f) A container or an inner liner removed from a container larger than five gallons in capacity which is managed pursuant to subsection (e) of 22 CCR 11 66261.7 shall be marked with the date it has been emptied and shall be managed within one year of being emptied.
Violation Notes:	Returned to compliance on 08/22/2018. Inspection Sequence ID:5951811
Violation Division:	San Diego County Department of Env Health
Violation Program:	HW
Violation Source:	CERS,
Site ID:	37254
Site Name:	HUGHES CIRCUITS INC

HUGHES CIRCUITS INC (Continued) **1007200409**

Violation Date:	02-12-2014
Citation:	22 CCR 45 67450.2(b)(2) - California Code of Regulations, Title 22, Chapter 45, Section(s) 67450.2(b)(2)
Violation Description:	Failure of the owner or operator of a FTU that treats hazardous waste to submit, in person or by certified mail with return receipt requested, the Onsite Hazardous Waste Treatment Notification-Facility page, the Business Activities Page, and the Business Owner/Operator Page of the Unified Program Consolidated Form (x/99)), an alternative version or a computer generated facsimile to the CUPA or authorized agency before sixty (60) days prior to beginning the first treatment of waste pursuant to a permit-by-rule.
Violation Notes:	Returned to compliance on 05/20/2014. Container
Violation Division:	San Diego County Department of Env Health
Violation Program:	PBR
Violation Source:	CERS,
Site ID:	37254
Site Name:	HUGHES CIRCUITS INC
Violation Date:	02-12-2014
Citation:	22 CCR 12 66262.34(f) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.34(f)
Violation Description:	Failure to properly label hazardous waste accumulation containers with the following requirements: "Hazardous Waste", name and address of the generator, physical and chemical characteristics of the Hazardous Waste, and starting accumulation date.
Violation Notes:	Returned to compliance on 04/15/2014.
Violation Division:	San Diego County Department of Env Health
Violation Program:	HWLQG
Violation Source:	CERS,
Site ID:	37254
Site Name:	HUGHES CIRCUITS INC
Violation Date:	07-19-2016
Citation:	HSC 6.5 Multiple - California Health and Safety Code, Chapter 6.5, Section(s) Multiple
Violation Description:	Hazardous Waste Generator Program - Training - General
Violation Notes:	Returned to compliance on 10/03/2016. Inspection Sequence ID:4086966;Violation:HMD0402 Employee training program not adequate. 22 CCR 66265.16(a) and/or (b)
Violation Division:	San Diego County Department of Env Health
Violation Program:	HW
Violation Source:	CERS,
Site ID:	37254
Site Name:	HUGHES CIRCUITS INC
Violation Date:	07-12-2021
Citation:	HSC 6.5 Multiple - California Health and Safety Code, Chapter 6.5, Section(s) Multiple
Violation Description:	Tiered Permitting - Administration/Documentation - General
Violation Notes:	Returned to compliance on 08/10/2021. Inspection Sequence ID:6768168;Tank ID:FTU1;Violation:HMD1704 Number of tanks, containers, and/or treatment processes is not correct for each treatment unit. CE: HSC 25201.5(d)(7), 25201.5(a),(c); CEL: HSC 25201.14(a); CA: HSC 25200.3(a) & (e)(3); PBR: 22 CCR 67450.2(b)(3)(G), 67450.3(c)(4) & 67450.11
Violation Division:	San Diego County Department of Env Health
Violation Program:	PBR

HUGHES CIRCUITS INC (Continued) **1007200409**

Violation Source: CERS,

Site ID: 37254
Site Name: HUGHES CIRCUITS INC
Violation Date: 07-12-2021
Citation: 22 CCR 12 66262.34(e) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.34(e)
Violation Description: Failure to meet the following conditions of satellite accumulation regulations: Accumulate up to 55 gallons of hazardous waste or one quart of acute hazardous waste at or near the initial point of accumulation which was under the control of the operator. Total time hazardous waste can be accumulated onsite in any generator accumulation area is one year, i.e., the combined accmulation time at a satellite accumulation point and at a 90/180/270 accumulation area (depending on size of generator and distance transported), whichever comes first. The generator complies with section 66265.171, 66265.172, and 66265.173(a). The container must be clearly marked with the initial date that hazardous waste is first placed in the container and labelled with the words Hazardous Waste including specified information Container must be labelled with the date the satellite accumulation limit is reached and moved within three days after reaching the 55 gallon (or one quart) limit to a 90 day accumulation area 55 gallons (or one quart of acute hazardous waste) of waste per process may be accumulated
Violation Notes: Returned to compliance on 07/15/2021. Inspection Sequence ID:6768168
Violation Division: San Diego County Department of Env Health
Violation Program: HW
Violation Source: CERS,

Site ID: 37254
Site Name: HUGHES CIRCUITS INC
Violation Date: 07-19-2016
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description: Failure to complete and electronically submit hazardous material inventory information for all reportable hazardous materials on site at or above reportable quantities.
Violation Notes: Returned to compliance on 10/03/2016. Inspection Sequence ID:4086966
Violation Division: San Diego County Department of Env Health
Violation Program: HMRRP
Violation Source: CERS,

Site ID: 37254
Site Name: HUGHES CIRCUITS INC
Violation Date: 02-12-2014
Citation: 22 CCR 15 66265.195(a) - California Code of Regulations, Title 22, Chapter 15, Section(s) 66265.195(a)
Violation Description: Failure of the owner or operator to conduct inspections and maintain inspection records at the facility of the following tank equipment: 1) Overfill/spill control equipment (e.g., waste-feed cutoff systems, bypass systems, and drainage systems) to ensure that it is in good working order; 2) The aboveground portions of the tank system, if any, to detect corrosion or releases of waste; 3) Data gathered from monitoring equipment and leak-detection equipment, (e.g., pressure and temperature gauges, monitoring wells) to ensure that the tank system is being operated according to its design; 4) The construction materials and the area immediately surrounding the externally

HUGHES CIRCUITS INC (Continued) **1007200409**

accessible portion of the tank system including secondary containment structures (e.g., dikes) to detect erosion or signs of releases of hazardous waste (e.g., wet spots, dead vegetation); and 5) For uncovered tanks, the level of waste in the tank, to ensure compliance with section 66265.194(b)(3).

Violation Notes: Returned to compliance on 05/20/2014.
Violation Division: San Diego County Department of Env Health
Violation Program: HW
Violation Source: CERS,

Evaluation:

Eval General Type: Compliance Evaluation Inspection
Eval Date: 03-24-2021
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Inspector: Thai Darren Inspection ID:6503953
Eval Division: San Diego County Department of Env Health
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 06-10-2009
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Inspector Name: San Diego CUPA
Eval Division: San Diego County Department of Env Health
Eval Program: HWLQG
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 08-22-2018
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Inspector: Calcagno Leonardo Inspection ID:5951811
Eval Division: San Diego County Department of Env Health
Eval Program: HWLQG
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 03-24-2021
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Inspector: Thai Darren Inspection ID:6503953
Eval Division: San Diego County Department of Env Health
Eval Program: HWLQG
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 07-12-2021
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Inspector: Thai Darren Inspection ID:6768168
Eval Division: San Diego County Department of Env Health
Eval Program: HWLQG
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection

HUGHES CIRCUITS INC (Continued) **1007200409**

Eval Date:	07-19-2016
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Inspector: Griffith Gary Inspection ID:4086966
Eval Division:	San Diego County Department of Env Health
Eval Program:	HWLQG
Eval Source:	CERS,
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	08-22-2018
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Inspector: Calcagno Leonardo Inspection ID:5951811
Eval Division:	San Diego County Department of Env Health
Eval Program:	PBR
Eval Source:	CERS,
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	02-12-2014
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Inspector: Chairs Michelle Inspection ID:4108584
Eval Division:	San Diego County Department of Env Health
Eval Program:	HWLQG
Eval Source:	CERS,
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	07-19-2016
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Inspector: Griffith Gary Inspection ID:4086966
Eval Division:	San Diego County Department of Env Health
Eval Program:	HMRRP
Eval Source:	CERS,
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	07-19-2016
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Inspector: Griffith Gary Inspection ID:4086966
Eval Division:	San Diego County Department of Env Health
Eval Program:	HW
Eval Source:	CERS,
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	07-19-2016
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Inspector: Griffith Gary Inspection ID:4086966
Eval Division:	San Diego County Department of Env Health
Eval Program:	PBR
Eval Source:	CERS,
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	02-12-2014
Violations Found:	Yes
Eval Type:	Routine done by local agency

HUGHES CIRCUITS INC (Continued) **1007200409**

Eval Notes: Inspector: Chairs Michelle Inspection ID:4108584
Eval Division: San Diego County Department of Env Health
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 02-12-2014
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Inspector: Chairs Michelle Inspection ID:4108584
Eval Division: San Diego County Department of Env Health
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 02-12-2014
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Inspector: Chairs Michelle Inspection ID:4108584
Eval Division: San Diego County Department of Env Health
Eval Program: PBR
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 07-12-2021
Violations Found: Yes
Eval Type: Other, not routine, done by local agency
Eval Notes: Inspector: Thai Darren Inspection ID:6768168
Eval Division: San Diego County Department of Env Health
Eval Program: HW
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 07-12-2021
Violations Found: Yes
Eval Type: Other, not routine, done by local agency
Eval Notes: Inspector: Thai Darren Inspection ID:6768168
Eval Division: San Diego County Department of Env Health
Eval Program: PBR
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 08-22-2018
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Inspector: Calcagno Leonardo Inspection ID:5951811
Eval Division: San Diego County Department of Env Health
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 08-22-2018
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Inspector: Calcagno Leonardo Inspection ID:5951811
Eval Division: San Diego County Department of Env Health
Eval Program: HW

HUGHES CIRCUITS INC (Continued) **1007200409**

Eval Source: CERS,

Enforcement Action:
Site ID: 37254
Site Name: HUGHES CIRCUITS INC
Site Address: 540 S PACIFIC ST
Site City: SAN MARCOS
Site Zip: 92078
Enf Action Date: 06-10-2009
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: San Diego County Department of Env Health
Enf Action Program: HWLQG
Enf Action Source: CERS,

Coordinates:
Site ID: 37254
Facility Name: HUGHES CIRCUITS INC
Env Int Type Code: HMBP
Program ID: 10153361
Coord Name: Not reported
Ref Point Type Desc: Center of a facility or station.,
Latitude: 33.135100
Longitude: -117.199760

Affiliation:
Affiliation Type Desc: CUPA District
Entity Name: San Diego County Env Health Qlty
Entity Title: Not reported
Affiliation Address: PO Box 129261
Affiliation City: San Diego
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 92112-9261
Affiliation Phone: (858) 505-6880,

Affiliation Type Desc: Document Preparer
Entity Name: Julio Ascencio
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Affiliation Type Desc: Identification Signer
Entity Name: Julio Ascencio
Entity Title: EH&S Manager
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

HUGHES CIRCUITS INC (Continued) **1007200409**

Affiliation Type Desc:	Property Owner
Entity Name:	Hughes SMCC,LLC
Entity Title:	Not reported
Affiliation Address:	540 S Pacific St
Affiliation City:	San Marcos
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	92078
Affiliation Phone:	(760) 744-0300,

Affiliation Type Desc:	Legal Owner
Entity Name:	Hughes Circuits, Inc.
Entity Title:	Not reported
Affiliation Address:	540 S Pacific St
Affiliation City:	San Marcos
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	92078
Affiliation Phone:	(760) 744-0300,

Affiliation Type Desc:	Operator
Entity Name:	JERRY HUGHES
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	(760) 744-0300,

Affiliation Type Desc:	Parent Corporation
Entity Name:	Hughes Circuits Inc
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,

Affiliation Type Desc:	Public Contact
Entity Name:	JEFF HUGHES
Entity Title:	Not reported
Affiliation Address:	540 S PACIFIC ST
Affiliation City:	SAN MARCOS
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92078
Affiliation Phone:	7607440300,

Affiliation Type Desc:	Environmental Contact
Entity Name:	Julio R Ascencio
Entity Title:	Not reported
Affiliation Address:	540 S Pacific St
Affiliation City:	San Marcos
Affiliation State:	CA
Affiliation Country:	Not reported

HUGHES CIRCUITS INC (Continued) **1007200409**

Affiliation Zip: 92078
Affiliation Phone: ,

Affiliation Type Desc: Onsite Treatment Unit Owner Operator
Entity Name: Julio R Ascencio
Entity Title: EH&S Manager
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Affiliation Type Desc: Owner/Operator
Entity Name: Hughes Circuits Inc
Entity Title: Operator
Affiliation Address: 540 S Pacific St
Affiliation City: San Marcos
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 92078
Affiliation Phone: ,

Affiliation Type Desc: Company Official
Entity Name: Julio Ascencio
Entity Title: EHS Manager
Affiliation Address: 540 S PACIFIC ST
Affiliation City: SAN MARCOS
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 92078
Affiliation Phone: ,

Affiliation Type Desc: Facility Mailing Address
Entity Name: Mailing Address
Entity Title: Not reported
Affiliation Address: 540 S Pacific St
Affiliation City: San Marcos
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 92078
Affiliation Phone: ,

Affiliation Type Desc: Onsite Treatment Unit Owner Operator
Entity Name: Dewey Clines
Entity Title: Process Eng Manager
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Affiliation Type Desc: Onsite Treatment Unit Owner Operator
Entity Name: Julio Ascencio
Entity Title: EHS Manager
Affiliation Address: Not reported

HUGHES CIRCUITS INC (Continued) **1007200409**

Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,
Affiliation Type Desc:	Technical Contact
Entity Name:	JULIO R ASCENCIO
Entity Title:	Not reported
Affiliation Address:	540 S PACIFIC ST
Affiliation City:	SAN MARCOS
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92078
Affiliation Phone:	7607440300,
Name:	HUGHES CIRCUITS INC
Address:	540 S PACIFIC ST
City,State,Zip:	SAN MARCOS, CA 92078
Site ID:	37254
CERS ID:	92069HGHSC54SPA
CERS Description:	Toxic Release Inventory

Violations:

Site ID:	37254
Site Name:	HUGHES CIRCUITS INC
Violation Date:	02-12-2014
Citation:	22 CCR 15 66265.193 - California Code of Regulations, Title 22, Chapter 15, Section(s) 66265.193
Violation Description:	Failure of the LQG and/or TP generator, on all new and existing hazardous waste tank systems and ancillary equipment, to meet the following secondary containment requirements: 1) Designed, installed, and operated to prevent any migration of wastes or accumulated liquid out of the system to the soil, ground water, or surface water at any time during the use of the tank system; and 2) Capable of detecting and collecting releases and accumulated liquids until the collected material is removed. 3) Constructed of or lined with materials that are compatible with the waste(s) to be placed in the tank system and shall have sufficient strength and thickness to prevent failure due to pressure gradients (including static head and external hydrological forces), physical contact with the waste to which they are exposed, climatic conditions, the stress of installation, and the stress of daily operation (including stresses from nearby vehicular traffic); 4) Placed on a foundation or base capable of providing support to the secondary containment system and resistance to pressure gradients above and below the system and capable of preventing failure due to settlement, compression, or uplift; 5) Provided with a leak detection system that is designed and operated so that it will detect the failure of either the primary and secondary containment structure or any release of hazardous waste or accumulated liquid in the secondary containment system within 24 hours, or at the earliest practicable time if the existing detection technology or site conditions will not allow detection of a release within 24 hours; 6) Sloped or otherwise designed or operated to drain and remove liquids resulting from leaks, spills, or precipitation. Spilled or leaked waste and accumulated precipitation shall be removed from the secondary containment system within 24 hours, or in as timely a manner as is possible to prevent

HUGHES CIRCUITS INC (Continued) **1007200409**

harm to human health or the environment, if removal of the released waste or accumulated precipitation cannot be accomplished within 24

Violation Notes: Returned to compliance on 04/28/2014.
Violation Division: San Diego County Department of Env Health
Violation Program: HW
Violation Source: CERS,

Site ID: 37254
Site Name: HUGHES CIRCUITS INC
Violation Date: 02-12-2014
Citation: 22 CCR 15 66265.16 - California Code of Regulations, Title 22, Chapter 15, Section(s) 66265.16
Violation Description: Failure to provide employees within the first six months after the date of their employment, or assignment to the facility, or to work unsupervised, or to a new position at a facility with hazardous waste training to ensure employees are competent in the following areas: hazardous waste management procedures (including contingency plan implementation) relevant to the positions in which they are employed, emergency response and emergency equipment, and procedures for using, inspecting, repairing, and replacing facility emergency and monitoring equipment. In addition, the owner/operator shall ensure facility personnel take part in an annual review of the initial training and training records training records on current personnel shall be kept until closure of the facility. Training records on former employees shall be kept for at least three years from the date the employee last worked at the facility. The records shall include the following: the job title for each position at the facility related to hazardous waste management, and the name of the employee filling each job; a written job description for each position, duties of facility personnel assigned to each position, and a written description of the type and amount of both introductory and continuing training that will be given to each person filling a position.
Violation Notes: Returned to compliance on 05/20/2014.
Violation Division: San Diego County Department of Env Health
Violation Program: HW
Violation Source: CERS,

Site ID: 37254
Site Name: HUGHES CIRCUITS INC
Violation Date: 07-19-2016
Citation: HSC 6.5 25201(a) - California Health and Safety Code, Chapter 6.5, Section(s) 25201(a)
Violation Description: Failure to obtain a permit or grant of interim status to accumulate hazardous waste longer than 90 days.
Violation Notes: Returned to compliance on 10/03/2016. Inspection Sequence ID:4086966
Violation Division: San Diego County Department of Env Health
Violation Program: HW
Violation Source: CERS,

Site ID: 37254
Site Name: HUGHES CIRCUITS INC
Violation Date: 07-19-2016
Citation: 22 CCR 45 67450.2(b)(2) - California Code of Regulations, Title 22, Chapter 45, Section(s) 67450.2(b)(2)
Violation Description: Failure to submit the signature page for the onsite treatment notification.
Violation Notes: Returned to compliance on 12/29/2017. Inspection Sequence

HUGHES CIRCUITS INC (Continued) **1007200409**

ID:4086966;Tank ID:1,2;Violation:HMD1757 Facility does not have an satisfactory written closure plan (plan must specify how & when each unit will be closed, sampling information when applicable, equipment decontamination steps & procedures, expected year of closure, and estimated time required to close each unit). 22 CCR 67450.3(c)(11)
Violation Division: San Diego County Department of Env Health
Violation Program: PBR
Violation Source: CERS,

Site ID: 37254
Site Name: HUGHES CIRCUITS INC
Violation Date: 06-10-2009
Citation: HSC 6.67 Multiple Sections - California Health and Safety Code, Chapter 6.67, Section(s) Multiple Sections
Violation Description: RCRA Large Quantity Generator Program - Administration/Documentation - General
Violation Notes: Returned to compliance on 06/24/2009.
Violation Division: San Diego County Department of Env Health
Violation Program: HWLQG
Violation Source: CERS,

Site ID: 37254
Site Name: HUGHES CIRCUITS INC
Violation Date: 02-12-2014
Citation: HSC 6.95 25505(b) - California Health and Safety Code, Chapter 6.95, Section(s) 25505(b)
Violation Description: Failure to submit a revised business plan upon a substantial change in the handler’s operations.
Violation Notes: Returned to compliance on 05/20/2014.
Violation Division: San Diego County Department of Env Health
Violation Program: HMRRP
Violation Source: CERS,

Site ID: 37254
Site Name: HUGHES CIRCUITS INC
Violation Date: 07-12-2021
Citation: 22 CCR 12 66262.34(f) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.34(f)
Violation Description: Failure to properly label hazardous waste accumulation containers and portable tanks with the following requirements: "Hazardous Waste", name and address of the generator, physical and chemical characteristics of the Hazardous Waste, and starting accumulation date.
Violation Notes: Returned to compliance on 07/14/2021. Inspection Sequence ID:6768168
Violation Division: San Diego County Department of Env Health
Violation Program: HW
Violation Source: CERS,

Site ID: 37254
Site Name: HUGHES CIRCUITS INC
Violation Date: 07-19-2016
Citation: 22 CCR 12 66262.34(f) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.34(f)
Violation Description: Failure to properly label hazardous waste accumulation containers with the following requirements: "Hazardous Waste", name and address of the generator, physical and chemical characteristics of the Hazardous Waste, and starting accumulation date.

HUGHES CIRCUITS INC (Continued) **1007200409**

Violation Notes: Returned to compliance on 07/20/2016. Inspection Sequence ID:4086966
Violation Division: San Diego County Department of Env Health
Violation Program: HW
Violation Source: CERS,

Site ID: 37254
Site Name: HUGHES CIRCUITS INC
Violation Date: 02-12-2014
Citation: 22 CCR 15 66265.192(k) - California Code of Regulations, Title 22, Chapter 15, Section(s) 66265.192(k)
Violation Description: Failure of the new hazardous waste tank assessment to include all of the following information: 1) Tank configuration (i.e., horizontal, vertical), material of construction, and gross capacity (in gallons); 2) Design standard(s), if available, according to which the tank and ancillary equipment were or will be constructed and all of the following information: A) Material of construction; B) material thickness and the method used to determine the thickness; C) description of tank system piping (material, diameter); D) description of any internal and external pumps; and E) sketch or drawing of tank including dimensions. 3) Documented age of the tank system (if tank was previously used), if available, (otherwise, an estimate of the age); 4) Description and evaluation of any leak detection equipment; 5) Description and evaluation of any corrosion protection equipment, devices, or material; 6) Description and evaluation of any spill prevention or overfill equipment; 7) Description and evaluation of secondary containment for the tank system (secondary containment must meet minimum standards as specified in subsections (j)(1) through (j)(3) of this section) including applicable secondary containment for ancillary equipment as required in subsection 66265.193(f); 8) Hazardous characteristics of the waste(s) that have been or will be handled; 9) Prior to placing a new tank system or component in use, an independent, qualified installation inspector or an independent, qualified, professional engineer, registered in California, either of whom is trained and experienced in the proper installation of tank systems, shall inspect the system or component for the presence of any of the following items and document in writing the results of the inspection: A) Weld cracks or breaks; B) scrapes of protective coatings; C) corrosion; D) any structural damage or inadequate construction or installation such as cracks, punctures, damaged fittings. All discrepancies shall be documented in the assessment and remedied before the tank syste
Violation Notes: Returned to compliance on 04/28/2014.
Violation Division: San Diego County Department of Env Health
Violation Program: HW
Violation Source: CERS,

Site ID: 37254
Site Name: HUGHES CIRCUITS INC
Violation Date: 07-19-2016
Citation: 22 CCR 45 67450.2(b)(2) - California Code of Regulations, Title 22, Chapter 45, Section(s) 67450.2(b)(2)
Violation Description: Failure to submit the signature page for the onsite treatment notification.
Violation Notes: Returned to compliance on 12/09/2016. Inspection Sequence ID:4086966;Tank ID:1,2;Violation:HMD1716 Inadequate or no written operating instructions for unit (how to do waste treatment, and how to manage residuals; AND records of the dates, volumes, and types of

HUGHES CIRCUITS INC (Continued) **1007200409**

wastes treated). Records must be kept 3 years for CE; 5 years for CA; or until closure-PBR unit. CE: HSC 25201.5(d)(3)&(5); CEL: HSC 25201.14(c)(1); CA: HSC 25200.3(c)(6) & (7); PBR: 22 CCR 67450.3(c)(9)(D), 66265.73(a) & (b)(1)
Violation Division: San Diego County Department of Env Health
Violation Program: PBR
Violation Source: CERS,

Site ID: 37254
Site Name: HUGHES CIRCUITS INC
Violation Date: 08-22-2018
Citation: HSC 6.5 Multiple - California Health and Safety Code, Chapter 6.5, Section(s) Multiple
Violation Description: Hazardous Waste Generator Program - Operations/Maintenance - General
Violation Notes: Returned to compliance on 08/22/2018. Inspection Sequence ID:5951811;Violation:HMD0152 Failed to report &/or update the required inventory information for hazardous waste(s) generated at the facility in CERS. SDCC 68.904(a)(2)
Violation Division: San Diego County Department of Env Health
Violation Program: HW
Violation Source: CERS,

Site ID: 37254
Site Name: HUGHES CIRCUITS INC
Violation Date: 08-22-2018
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description: Failure to complete and electronically submit hazardous material inventory information for all reportable hazardous materials on site at or above reportable quantities.
Violation Notes: Returned to compliance on 08/22/2018. Inspection Sequence ID:5951811
Violation Division: San Diego County Department of Env Health
Violation Program: HMRRP
Violation Source: CERS,

Site ID: 37254
Site Name: HUGHES CIRCUITS INC
Violation Date: 07-19-2016
Citation: 22 CCR 45 67450.2(b)(2) - California Code of Regulations, Title 22, Chapter 45, Section(s) 67450.2(b)(2)
Violation Description: Failure to submit the signature page for the onsite treatment notification.
Violation Notes: Returned to compliance on 03/05/2018. Inspection Sequence ID:4086966;Tank ID:1,2;Violation:HMD1756 Written waste analysis plan does not exist or is inadequate in specifying parameters of analysis, testing methods, frequency of sampling and analysis, and sampling methods used to obtain representative samples. 22 CCR 66265.13(b) & 67450.3(c)(9)(A)
Violation Division: San Diego County Department of Env Health
Violation Program: PBR
Violation Source: CERS,

Site ID: 37254
Site Name: HUGHES CIRCUITS INC
Violation Date: 07-19-2016
Citation: 22 CCR 15 66265.173 - California Code of Regulations, Title 22, Chapter 15, Section(s) 66265.173

HUGHES CIRCUITS INC (Continued) **1007200409**

Violation Description: Failure to meet the following container management requirements: (a) A container holding hazardous waste must always be closed during storage, except when it is necessary to add or remove waste. (b) A container holding hazardous waste must not be opened, handled, or stored in a manner which may rupture the container or cause it to leak.
Violation Notes: Returned to compliance on 07/22/2016. Inspection Sequence ID:4086966
Violation Division: San Diego County Department of Env Health
Violation Program: HW
Violation Source: CERS,

Site ID: 37254
Site Name: HUGHES CIRCUITS INC
Violation Date: 02-12-2014
Citation: 19 CCR 4 2729.5 - California Code of Regulations, Title 19, Chapter 4, Section(s) 2729.5
Violation Description: Failure to submit inventory reports (Activities, Owner/Operator, Hazardous Materials Descriptions and Map pages, if required. Documentation must be resubmitted (for facilities which exceed EPCRA thresholds) or re-certified (for facilities which do not exceed EPCRA thresholds) by March 1.
Violation Notes: Returned to compliance on 05/20/2014.
Violation Division: San Diego County Department of Env Health
Violation Program: HMRRP
Violation Source: CERS,

Site ID: 37254
Site Name: HUGHES CIRCUITS INC
Violation Date: 07-12-2021
Citation: 22 CCR 45 67450.3(c)(9)(A) - California Code of Regulations, Title 22, Chapter 45, Section(s) 67450.3(c)(9)(A)
Violation Description: Failure of an owner or operator to obtain a detailed chemical and physical analysis of a representative sample of the waste, which includes all information necessary to manage waste in accordance with the requirements, and to meet LDR requirements; Failure to analyze wastes according to the frequency specified in the plan and to retain waste analysis documentation for three years.
Violation Notes: Returned to compliance on 08/10/2021. Container
Violation Division: San Diego County Department of Env Health
Violation Program: PBR
Violation Source: CERS,

Site ID: 37254
Site Name: HUGHES CIRCUITS INC
Violation Date: 02-12-2014
Citation: HSC 6.95 25505(c) - California Health and Safety Code, Chapter 6.95, Section(s) 25505(c)
Violation Description: Failure to review, revise, and recertify the business plan at least once every three years.
Violation Notes: Returned to compliance on 05/20/2014.
Violation Division: San Diego County Department of Env Health
Violation Program: HMRRP
Violation Source: CERS,

Site ID: 37254
Site Name: HUGHES CIRCUITS INC
Violation Date: 08-22-2018

HUGHES CIRCUITS INC (Continued) **1007200409**

Citation:	22 CCR 11 66261.7 - California Code of Regulations, Title 22, Chapter 11, Section(s) 66261.7
Violation Description:	Failure to manage empty containers greater than 5 gallons in capacity that previously held a hazardous material/waste in accordance with 22 CCR 11 66261.7 including but not limited to the following: (e)(2)By reclaiming its scrap value onsite or shipping the container or inner liner to a person who reclaims its scrap value; or (3) By reconditioning or re manufacturing the container or inner liner onsite for subsequent reuse, or shipping the container or inner liner to a person who reconditions or re-manufactures the container or inner liner; or (4) By shipping the container or inner liner to a supplier or to another intermediate collection location for accumulation prior to managing the container or inner liner pursuant to subsections (e)(2) or (e)(3) of 22 CCR 11 66261.7; or (i) By shipping the container or inner liner back to the supplier for the purpose of being refilled. (f) A container or an inner liner removed from a container larger than five gallons in capacity which is managed pursuant to subsection (e) of 22 CCR 11 66261.7 shall be marked with the date it has been emptied and shall be managed within one year of being emptied.
Violation Notes:	Returned to compliance on 08/22/2018. Inspection Sequence ID:5951811
Violation Division:	San Diego County Department of Env Health
Violation Program:	HW
Violation Source:	CERS,
Site ID:	37254
Site Name:	HUGHES CIRCUITS INC
Violation Date:	02-12-2014
Citation:	22 CCR 45 67450.2(b)(2) - California Code of Regulations, Title 22, Chapter 45, Section(s) 67450.2(b)(2)
Violation Description:	Failure of the owner or operator of a FTU that treats hazardous waste to submit, in person or by certified mail with return receipt requested, the Onsite Hazardous Waste Treatment Notification-Facility page, the Business Activities Page, and the Business Owner/Operator Page of the Unified Program Consolidated Form (x/99)), an alternative version or a computer generated facsimile to the CUPA or authorized agency before sixty (60) days prior to beginning the first treatment of waste pursuant to a permit-by-rule.
Violation Notes:	Returned to compliance on 05/20/2014. Container
Violation Division:	San Diego County Department of Env Health
Violation Program:	PBR
Violation Source:	CERS,
Site ID:	37254
Site Name:	HUGHES CIRCUITS INC
Violation Date:	02-12-2014
Citation:	22 CCR 12 66262.34(f) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.34(f)
Violation Description:	Failure to properly label hazardous waste accumulation containers with the following requirements: "Hazardous Waste", name and address of the generator, physical and chemical characteristics of the Hazardous Waste, and starting accumulation date.
Violation Notes:	Returned to compliance on 04/15/2014.
Violation Division:	San Diego County Department of Env Health
Violation Program:	HWLQG
Violation Source:	CERS,

HUGHES CIRCUITS INC (Continued) **1007200409**

Site ID:	37254
Site Name:	HUGHES CIRCUITS INC
Violation Date:	07-19-2016
Citation:	HSC 6.5 Multiple - California Health and Safety Code, Chapter 6.5, Section(s) Multiple
Violation Description:	Hazardous Waste Generator Program - Training - General
Violation Notes:	Returned to compliance on 10/03/2016. Inspection Sequence ID:4086966;Violation:HMD0402 Employee training program not adequate. 22 CCR 66265.16(a) and/or (b)
Violation Division:	San Diego County Department of Env Health
Violation Program:	HW
Violation Source:	CERS,
Site ID:	37254
Site Name:	HUGHES CIRCUITS INC
Violation Date:	07-12-2021
Citation:	HSC 6.5 Multiple - California Health and Safety Code, Chapter 6.5, Section(s) Multiple
Violation Description:	Tiered Permitting - Administration/Documentation - General
Violation Notes:	Returned to compliance on 08/10/2021. Inspection Sequence ID:6768168;Tank ID:FTU1;Violation:HMD1704 Number of tanks, containers, and/or treatment processes is not correct for each treatment unit. CE: HSC 25201.5(d)(7), 25201.5(a),(c); CEL: HSC 25201.14(a); CA: HSC 25200.3(a) & (e)(3); PBR: 22 CCR 67450.2(b)(3)(G), 67450.3(c)(4) & 67450.11
Violation Division:	San Diego County Department of Env Health
Violation Program:	PBR
Violation Source:	CERS,
Site ID:	37254
Site Name:	HUGHES CIRCUITS INC
Violation Date:	07-12-2021
Citation:	22 CCR 12 66262.34(e) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.34(e)
Violation Description:	Failure to meet the following conditions of satellite accumulation regulations: Accumulate up to 55 gallons of hazardous waste or one quart of acute hazardous waste at or near the initial point of accumulation which was under the control of the operator. Total time hazardous waste can be accumulated onsite in any generator accumulation area is one year, i.e., the combined accmulation time at a satellite accumulation point and at a 90/180/270 accumulation area (depending on size of generator and distance transported), whichever comes first. The generator complies with section 66265.171, 66265.172, and 66265.173(a). The container must be clearly marked with the initial date that hazardous waste is first placed in the container and labelled with the words Hazardous Waste including specified information Container must be labelled with the date the satellite accumulation limit is reached and moved within three days after reaching the 55 gallon (or one quart) limit to a 90 day accumulation area 55 gallons (or one quart of acute hazardous waste) of waste per process may be accumulated
Violation Notes:	Returned to compliance on 07/15/2021. Inspection Sequence ID:6768168
Violation Division:	San Diego County Department of Env Health
Violation Program:	HW
Violation Source:	CERS,
Site ID:	37254

HUGHES CIRCUITS INC (Continued) **1007200409**

Site Name: HUGHES CIRCUITS INC
Violation Date: 07-19-2016
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description: Failure to complete and electronically submit hazardous material inventory information for all reportable hazardous materials on site at or above reportable quantities.
Violation Notes: Returned to compliance on 10/03/2016. Inspection Sequence ID:4086966
Violation Division: San Diego County Department of Env Health
Violation Program: HMRRP
Violation Source: CERS,

Site ID: 37254
Site Name: HUGHES CIRCUITS INC
Violation Date: 02-12-2014
Citation: 22 CCR 15 66265.195(a) - California Code of Regulations, Title 22, Chapter 15, Section(s) 66265.195(a)
Violation Description: Failure of the owner or operator to conduct inspections and maintain inspection records at the facility of the following tank equipment: 1) Overfill/spill control equipment (e.g., waste-feed cutoff systems, bypass systems, and drainage systems) to ensure that it is in good working order; 2) The aboveground portions of the tank system, if any, to detect corrosion or releases of waste; 3) Data gathered from monitoring equipment and leak-detection equipment, (e.g., pressure and temperature gauges, monitoring wells) to ensure that the tank system is being operated according to its design; 4) The construction materials and the area immediately surrounding the externally accessible portion of the tank system including secondary containment structures (e.g., dikes) to detect erosion or signs of releases of hazardous waste (e.g., wet spots, dead vegetation); and 5) For uncovered tanks, the level of waste in the tank, to ensure compliance with section 66265.194(b)(3).
Violation Notes: Returned to compliance on 05/20/2014.
Violation Division: San Diego County Department of Env Health
Violation Program: HW
Violation Source: CERS,

Evaluation:
Eval General Type: Compliance Evaluation Inspection
Eval Date: 03-24-2021
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Inspector: Thai Darren Inspection ID:6503953
Eval Division: San Diego County Department of Env Health
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 06-10-2009
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Inspector Name: San Diego CUPA
Eval Division: San Diego County Department of Env Health
Eval Program: HWLQG
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection

HUGHES CIRCUITS INC (Continued) **1007200409**

Eval Date: 08-22-2018
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Inspector: Calcagno Leonardo Inspection ID:5951811
Eval Division: San Diego County Department of Env Health
Eval Program: HWLQG
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 03-24-2021
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Inspector: Thai Darren Inspection ID:6503953
Eval Division: San Diego County Department of Env Health
Eval Program: HWLQG
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 07-12-2021
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Inspector: Thai Darren Inspection ID:6768168
Eval Division: San Diego County Department of Env Health
Eval Program: HWLQG
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 07-19-2016
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Inspector: Griffith Gary Inspection ID:4086966
Eval Division: San Diego County Department of Env Health
Eval Program: HWLQG
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 08-22-2018
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Inspector: Calcagno Leonardo Inspection ID:5951811
Eval Division: San Diego County Department of Env Health
Eval Program: PBR
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 02-12-2014
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Inspector: Chairs Michelle Inspection ID:4108584
Eval Division: San Diego County Department of Env Health
Eval Program: HWLQG
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 07-19-2016
Violations Found: Yes
Eval Type: Routine done by local agency

HUGHES CIRCUITS INC (Continued) **1007200409**

Eval Notes: Inspector: Griffith Gary Inspection ID:4086966
Eval Division: San Diego County Department of Env Health
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 07-19-2016
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Inspector: Griffith Gary Inspection ID:4086966
Eval Division: San Diego County Department of Env Health
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 07-19-2016
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Inspector: Griffith Gary Inspection ID:4086966
Eval Division: San Diego County Department of Env Health
Eval Program: PBR
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 02-12-2014
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Inspector: Chairs Michelle Inspection ID:4108584
Eval Division: San Diego County Department of Env Health
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 02-12-2014
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Inspector: Chairs Michelle Inspection ID:4108584
Eval Division: San Diego County Department of Env Health
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 02-12-2014
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Inspector: Chairs Michelle Inspection ID:4108584
Eval Division: San Diego County Department of Env Health
Eval Program: PBR
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 07-12-2021
Violations Found: Yes
Eval Type: Other, not routine, done by local agency
Eval Notes: Inspector: Thai Darren Inspection ID:6768168
Eval Division: San Diego County Department of Env Health
Eval Program: HW

HUGHES CIRCUITS INC (Continued) **1007200409**

Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 07-12-2021
Violations Found: Yes
Eval Type: Other, not routine, done by local agency
Eval Notes: Inspector: Thai Darren Inspection ID:6768168
Eval Division: San Diego County Department of Env Health
Eval Program: PBR
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 08-22-2018
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Inspector: Calcagno Leonardo Inspection ID:5951811
Eval Division: San Diego County Department of Env Health
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 08-22-2018
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Inspector: Calcagno Leonardo Inspection ID:5951811
Eval Division: San Diego County Department of Env Health
Eval Program: HW
Eval Source: CERS,

Enforcement Action:
Site ID: 37254
Site Name: HUGHES CIRCUITS INC
Site Address: 540 S PACIFIC ST
Site City: SAN MARCOS
Site Zip: 92078
Enf Action Date: 06-10-2009
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: San Diego County Department of Env Health
Enf Action Program: HWLQG
Enf Action Source: CERS,

Coordinates:
Site ID: 37254
Facility Name: HUGHES CIRCUITS INC
Env Int Type Code: HMBP
Program ID: 10153361
Coord Name: Not reported
Ref Point Type Desc: Center of a facility or station.,
Latitude: 33.135100
Longitude: -117.199760

Affiliation:
Affiliation Type Desc: CUPA District
Entity Name: San Diego County Env Health Qlty

HUGHES CIRCUITS INC (Continued) **1007200409**

Entity Title:	Not reported
Affiliation Address:	PO Box 129261
Affiliation City:	San Diego
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92112-9261
Affiliation Phone:	(858) 505-6880,
Affiliation Type Desc:	Document Preparer
Entity Name:	Julio Ascencio
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,
Affiliation Type Desc:	Identification Signer
Entity Name:	Julio Ascencio
Entity Title:	EH&S Manager
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,
Affiliation Type Desc:	Property Owner
Entity Name:	Hughes SMCC,LLC
Entity Title:	Not reported
Affiliation Address:	540 S Pacific St
Affiliation City:	San Marcos
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	92078
Affiliation Phone:	(760) 744-0300,
Affiliation Type Desc:	Legal Owner
Entity Name:	Hughes Circuits, Inc.
Entity Title:	Not reported
Affiliation Address:	540 S Pacific St
Affiliation City:	San Marcos
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	92078
Affiliation Phone:	(760) 744-0300,
Affiliation Type Desc:	Operator
Entity Name:	JERRY HUGHES
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	(760) 744-0300,

HUGHES CIRCUITS INC (Continued) **1007200409**

Affiliation Type Desc:	Parent Corporation
Entity Name:	Hughes Circuits Inc
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,

Affiliation Type Desc:	Public Contact
Entity Name:	JEFF HUGHES
Entity Title:	Not reported
Affiliation Address:	540 S PACIFIC ST
Affiliation City:	SAN MARCOS
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92078
Affiliation Phone:	7607440300,

Affiliation Type Desc:	Environmental Contact
Entity Name:	Julio R Ascencio
Entity Title:	Not reported
Affiliation Address:	540 S Pacific St
Affiliation City:	San Marcos
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92078
Affiliation Phone:	,

Affiliation Type Desc:	Onsite Treatment Unit Owner Operator
Entity Name:	Julio R Ascencio
Entity Title:	EH&S Manager
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,

Affiliation Type Desc:	Owner/Operator
Entity Name:	Hughes Circuits Inc
Entity Title:	Operator
Affiliation Address:	540 S Pacific St
Affiliation City:	San Marcos
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92078
Affiliation Phone:	,

Affiliation Type Desc:	Company Official
Entity Name:	Julio Ascencio
Entity Title:	EHS Manager
Affiliation Address:	540 S PACIFIC ST
Affiliation City:	SAN MARCOS
Affiliation State:	CA
Affiliation Country:	Not reported

HUGHES CIRCUITS INC (Continued) **1007200409**

Affiliation Zip: 92078
Affiliation Phone: ,

Affiliation Type Desc: Facility Mailing Address
Entity Name: Mailing Address
Entity Title: Not reported
Affiliation Address: 540 S Pacific St
Affiliation City: San Marcos
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 92078
Affiliation Phone: ,

Affiliation Type Desc: Onsite Treatment Unit Owner Operator
Entity Name: Dewey Clines
Entity Title: Process Eng Manager
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Affiliation Type Desc: Onsite Treatment Unit Owner Operator
Entity Name: Julio Ascencio
Entity Title: EHS Manager
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Affiliation Type Desc: Technical Contact
Entity Name: JULIO R ASCENCIO
Entity Title: Not reported
Affiliation Address: 540 S PACIFIC ST
Affiliation City: SAN MARCOS
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 92078
Affiliation Phone: 7607440300,

Name: HUGHES CIRCUITS INC
Address: 540 S PACIFIC ST
City,State,Zip: SAN MARCOS, CA 92078
Site ID: 37254
CERS ID: 10153361
CERS Description: Chemical Storage Facilities

Violations:
Site ID: 37254
Site Name: HUGHES CIRCUITS INC
Violation Date: 02-12-2014
Citation: 22 CCR 15 66265.193 - California Code of Regulations, Title 22, Chapter 15, Section(s) 66265.193
Violation Description: Failure of the LQG and/or TP generator, on all new and existing

HUGHES CIRCUITS INC (Continued) **1007200409**

hazardous waste tank systems and ancillary equipment, to meet the following secondary containment requirements: 1) Designed, installed, and operated to prevent any migration of wastes or accumulated liquid out of the system to the soil, ground water, or surface water at any time during the use of the tank system; and 2) Capable of detecting and collecting releases and accumulated liquids until the collected material is removed. 3) Constructed of or lined with materials that are compatible with the waste(s) to be placed in the tank system and shall have sufficient strength and thickness to prevent failure due to pressure gradients (including static head and external hydrological forces), physical contact with the waste to which they are exposed, climatic conditions, the stress of installation, and the stress of daily operation (including stresses from nearby vehicular traffic); 4) Placed on a foundation or base capable of providing support to the secondary containment system and resistance to pressure gradients above and below the system and capable of preventing failure due to settlement, compression, or uplift; 5) Provided with a leak detection system that is designed and operated so that it will detect the failure of either the primary and secondary containment structure or any release of hazardous waste or accumulated liquid in the secondary containment system within 24 hours, or at the earliest practicable time if the existing detection technology or site conditions will not allow detection of a release within 24 hours; 6) Sloped or otherwise designed or operated to drain and remove liquids resulting from leaks, spills, or precipitation. Spilled or leaked waste and accumulated precipitation shall be removed from the secondary containment system within 24 hours, or in as timely a manner as is possible to prevent harm to human health or the environment, if removal of the released waste or accumulated precipitation cannot be accomplished within 24

Violation Notes: Returned to compliance on 04/28/2014.
Violation Division: San Diego County Department of Env Health
Violation Program: HW
Violation Source: CERS,

Site ID: 37254
Site Name: HUGHES CIRCUITS INC
Violation Date: 02-12-2014
Citation: 22 CCR 15 66265.16 - California Code of Regulations, Title 22, Chapter 15, Section(s) 66265.16

Violation Description: Failure to provide employees within the first six months after the date of their employment, or assignment to the facility, or to work unsupervised, or to a new position at a facility with hazardous waste training to ensure employees are competent in the following areas: hazardous waste management procedures (including contingency plan implementation) relevant to the positions in which they are employed, emergency response and emergency equipment, and procedures for using, inspecting, repairing, and replacing facility emergency and monitoring equipment. In addition, the owner/operator shall ensure facility personnel take part in an annual review of the initial training and training records training records on current personnel shall be kept until closure of the facility. Training records on former employees shall be kept for at least three years from the date the employee last worked at the facility. The records shall include the following: the job title for each position at the facility related to hazardous waste management, and the name of the employee filling each job; a written job description for each position, duties of facility personnel assigned to each position, and a written description of the type and

HUGHES CIRCUITS INC (Continued) **1007200409**

amount of both introductory and continuing training that will be given to each person filling a position.
Violation Notes: Returned to compliance on 05/20/2014.
Violation Division: San Diego County Department of Env Health
Violation Program: HW
Violation Source: CERS,

Site ID: 37254
Site Name: HUGHES CIRCUITS INC
Violation Date: 07-19-2016
Citation: HSC 6.5 25201(a) - California Health and Safety Code, Chapter 6.5, Section(s) 25201(a)
Violation Description: Failure to obtain a permit or grant of interim status to accumulate hazardous waste longer than 90 days.
Violation Notes: Returned to compliance on 10/03/2016. Inspection Sequence ID:4086966
Violation Division: San Diego County Department of Env Health
Violation Program: HW
Violation Source: CERS,

Site ID: 37254
Site Name: HUGHES CIRCUITS INC
Violation Date: 07-19-2016
Citation: 22 CCR 45 67450.2(b)(2) - California Code of Regulations, Title 22, Chapter 45, Section(s) 67450.2(b)(2)
Violation Description: Failure to submit the signature page for the onsite treatment notification.
Violation Notes: Returned to compliance on 12/29/2017. Inspection Sequence ID:4086966;Tank ID:1,2;Violation:HMD1757 Facility does not have an satisfactory written closure plan (plan must specify how & when each unit will be closed, sampling information when applicable, equipment decontamination steps & procedures, expected year of closure, and estimated time required to close each unit). 22 CCR 67450.3(c)(11)
Violation Division: San Diego County Department of Env Health
Violation Program: PBR
Violation Source: CERS,

Site ID: 37254
Site Name: HUGHES CIRCUITS INC
Violation Date: 06-10-2009
Citation: HSC 6.67 Multiple Sections - California Health and Safety Code, Chapter 6.67, Section(s) Multiple Sections
Violation Description: RCRA Large Quantity Generator Program - Administration/Documentation - General
Violation Notes: Returned to compliance on 06/24/2009.
Violation Division: San Diego County Department of Env Health
Violation Program: HWLQG
Violation Source: CERS,

Site ID: 37254
Site Name: HUGHES CIRCUITS INC
Violation Date: 02-12-2014
Citation: HSC 6.95 25505(b) - California Health and Safety Code, Chapter 6.95, Section(s) 25505(b)
Violation Description: Failure to submit a revised business plan upon a substantial change in the handler's operations.
Violation Notes: Returned to compliance on 05/20/2014.
Violation Division: San Diego County Department of Env Health

HUGHES CIRCUITS INC (Continued) **1007200409**

Violation Program: HMRRP
Violation Source: CERS,

Site ID: 37254
Site Name: HUGHES CIRCUITS INC
Violation Date: 07-12-2021
Citation: 22 CCR 12 66262.34(f) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.34(f)
Violation Description: Failure to properly label hazardous waste accumulation containers and portable tanks with the following requirements: "Hazardous Waste", name and address of the generator, physical and chemical characteristics of the Hazardous Waste, and starting accumulation date.
Violation Notes: Returned to compliance on 07/14/2021. Inspection Sequence ID:6768168
Violation Division: San Diego County Department of Env Health
Violation Program: HW
Violation Source: CERS,

Site ID: 37254
Site Name: HUGHES CIRCUITS INC
Violation Date: 07-19-2016
Citation: 22 CCR 12 66262.34(f) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.34(f)
Violation Description: Failure to properly label hazardous waste accumulation containers with the following requirements: "Hazardous Waste", name and address of the generator, physical and chemical characteristics of the Hazardous Waste, and starting accumulation date.
Violation Notes: Returned to compliance on 07/20/2016. Inspection Sequence ID:4086966
Violation Division: San Diego County Department of Env Health
Violation Program: HW
Violation Source: CERS,

Site ID: 37254
Site Name: HUGHES CIRCUITS INC
Violation Date: 02-12-2014
Citation: 22 CCR 15 66265.192(k) - California Code of Regulations, Title 22, Chapter 15, Section(s) 66265.192(k)
Violation Description: Failure of the new hazardous waste tank assessment to include all of the following information: 1) Tank configuration (i.e., horizontal, vertical), material of construction, and gross capacity (in gallons); 2) Design standard(s), if available, according to which the tank and ancillary equipment were or will be constructed and all of the following information: A) Material of construction; B) material thickness and the method used to determine the thickness; C) description of tank system piping (material, diameter); D) description of any internal and external pumps; and E) sketch or drawing of tank including dimensions. 3) Documented age of the tank system (if tank was previously used), if available, (otherwise, an estimate of the age); 4) Description and evaluation of any leak detection equipment; 5) Description and evaluation of any corrosion protection equipment, devices, or material; 6) Description and evaluation of any spill prevention or overfill equipment; 7) Description and evaluation of secondary containment for the tank system (secondary containment must meet minimum standards as specified in subsections (j)(1) through (j)(3) of this section) including applicable secondary containment for ancillary equipment as required in subsection 66265.193(f); 8) Hazardous characteristics of the waste(s) that have been or will be

HUGHES CIRCUITS INC (Continued) **1007200409**

handled; 9) Prior to placing a new tank system or component in use, an independent, qualified installation inspector or an independent, qualified, professional engineer, registered in California, either of whom is trained and experienced in the proper installation of tank systems, shall inspect the system or component for the presence of any of the following items and document in writing the results of the inspection: A) Weld cracks or breaks; B) scrapes of protective coatings; C) corrosion; D) any structural damage or inadequate construction or installation such as cracks, punctures, damaged fittings. All discrepancies shall be documented in the assessment and remedied before the tank syste

Violation Notes: Returned to compliance on 04/28/2014.
Violation Division: San Diego County Department of Env Health
Violation Program: HW
Violation Source: CERS,

Site ID: 37254
Site Name: HUGHES CIRCUITS INC
Violation Date: 07-19-2016
Citation: 22 CCR 45 67450.2(b)(2) - California Code of Regulations, Title 22, Chapter 45, Section(s) 67450.2(b)(2)
Violation Description: Failure to submit the signature page for the onsite treatment notification.
Violation Notes: Returned to compliance on 12/09/2016. Inspection Sequence ID:4086966;Tank ID:1,2;Violation:HMD1716 Inadequate or no written operating instructions for unit (how to do waste treatment, and how to manage residuals; AND records of the dates, volumes, and types of wastes treated). Records must be kept 3 years for CE; 5 years for CA; or until closure-PBR unit. CE: HSC 25201.5(d)(3)&(5); CEL: HSC 25201.14(c)(1); CA: HSC 25200.3(c)(6) & (7); PBR: 22 CCR 67450.3(c)(9)(D), 66265.73(a) & (b)(1)
Violation Division: San Diego County Department of Env Health
Violation Program: PBR
Violation Source: CERS,

Site ID: 37254
Site Name: HUGHES CIRCUITS INC
Violation Date: 08-22-2018
Citation: HSC 6.5 Multiple - California Health and Safety Code, Chapter 6.5, Section(s) Multiple
Violation Description: Hazardous Waste Generator Program - Operations/Maintenance - General
Violation Notes: Returned to compliance on 08/22/2018. Inspection Sequence ID:5951811;Violation:HMD0152 Failed to report &/or update the required inventory information for hazardous waste(s) generated at the facility in CERS. SDCC 68.904(a)(2)
Violation Division: San Diego County Department of Env Health
Violation Program: HW
Violation Source: CERS,

Site ID: 37254
Site Name: HUGHES CIRCUITS INC
Violation Date: 08-22-2018
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description: Failure to complete and electronically submit hazardous material inventory information for all reportable hazardous materials on site at or above reportable quantities.

HUGHES CIRCUITS INC (Continued) **1007200409**

Violation Notes:	Returned to compliance on 08/22/2018. Inspection Sequence ID:5951811
Violation Division:	San Diego County Department of Env Health
Violation Program:	HMRRP
Violation Source:	CERS,
Site ID:	37254
Site Name:	HUGHES CIRCUITS INC
Violation Date:	07-19-2016
Citation:	22 CCR 45 67450.2(b)(2) - California Code of Regulations, Title 22, Chapter 45, Section(s) 67450.2(b)(2)
Violation Description:	Failure to submit the signature page for the onsite treatment notification.
Violation Notes:	Returned to compliance on 03/05/2018. Inspection Sequence ID:4086966;Tank ID:1,2;Violation:HMD1756 Written waste analysis plan does not exist or is inadequate in specifying parameters of analysis, testing methods, frequency of sampling and analysis, and sampling methods used to obtain representative samples. 22 CCR 66265.13(b) & 67450.3(c)(9)(A)
Violation Division:	San Diego County Department of Env Health
Violation Program:	PBR
Violation Source:	CERS,
Site ID:	37254
Site Name:	HUGHES CIRCUITS INC
Violation Date:	07-19-2016
Citation:	22 CCR 15 66265.173 - California Code of Regulations, Title 22, Chapter 15, Section(s) 66265.173
Violation Description:	Failure to meet the following container management requirements: (a) A container holding hazardous waste must always be closed during storage, except when it is necessary to add or remove waste. (b) A container holding hazardous waste must not be opened, handled, or stored in a manner which may rupture the container or cause it to leak.
Violation Notes:	Returned to compliance on 07/22/2016. Inspection Sequence ID:4086966
Violation Division:	San Diego County Department of Env Health
Violation Program:	HW
Violation Source:	CERS,
Site ID:	37254
Site Name:	HUGHES CIRCUITS INC
Violation Date:	02-12-2014
Citation:	19 CCR 4 2729.5 - California Code of Regulations, Title 19, Chapter 4, Section(s) 2729.5
Violation Description:	Failure to submit inventory reports (Activities, Owner/Operator, Hazardous Materials Descriptions and Map pages, if required. Documentation must be resubmitted (for facilities which exceed EPCRA thresholds) or re-certified (for facilities which do not exceed EPCRA thresholds) by March 1.
Violation Notes:	Returned to compliance on 05/20/2014.
Violation Division:	San Diego County Department of Env Health
Violation Program:	HMRRP
Violation Source:	CERS,
Site ID:	37254
Site Name:	HUGHES CIRCUITS INC
Violation Date:	07-12-2021
Citation:	22 CCR 45 67450.3(c)(9)(A) - California Code of Regulations, Title 22,

HUGHES CIRCUITS INC (Continued) **1007200409**

Chapter 45, Section(s) 67450.3(c)(9)(A)
Violation Description: Failure of an owner or operator to obtain a detailed chemical and physical analysis of a representative sample of the waste, which includes all information necessary to manage waste in accordance with the requirements, and to meet LDR requirements; Failure to analyze wastes according to the frequency specified in the plan and to retain waste analysis documentation for three years.
Violation Notes: Returned to compliance on 08/10/2021. Container
Violation Division: San Diego County Department of Env Health
Violation Program: PBR
Violation Source: CERS,

Site ID: 37254
Site Name: HUGHES CIRCUITS INC
Violation Date: 02-12-2014
Citation: HSC 6.95 25505(c) - California Health and Safety Code, Chapter 6.95, Section(s) 25505(c)
Violation Description: Failure to review, revise, and recertify the business plan at least once every three years.
Violation Notes: Returned to compliance on 05/20/2014.
Violation Division: San Diego County Department of Env Health
Violation Program: HMRRP
Violation Source: CERS,

Site ID: 37254
Site Name: HUGHES CIRCUITS INC
Violation Date: 08-22-2018
Citation: 22 CCR 11 66261.7 - California Code of Regulations, Title 22, Chapter 11, Section(s) 66261.7
Violation Description: Failure to manage empty containers greater than 5 gallons in capacity that previously held a hazardous material/waste in accordance with 22 CCR 11 66261.7 including but not limited to the following: (e)(2)By reclaiming its scrap value onsite or shipping the container or inner liner to a person who reclaims its scrap value; or (3) By reconditioning or re manufacturing the container or inner liner onsite for subsequent reuse, or shipping the container or inner liner to a person who reconditions or re-manufactures the container or inner liner; or (4) By shipping the container or inner liner to a supplier or to another intermediate collection location for accumulation prior to managing the container or inner liner pursuant to subsections (e)(2) or (e)(3) of 22 CCR 11 66261.7; or (i) By shipping the container or inner liner back to the supplier for the purpose of being refilled. (f) A container or an inner liner removed from a container larger than five gallons in capacity which is managed pursuant to subsection (e) of 22 CCR 11 66261.7 shall be marked with the date it has been emptied and shall be managed within one year of being emptied.
Violation Notes: Returned to compliance on 08/22/2018. Inspection Sequence ID:5951811
Violation Division: San Diego County Department of Env Health
Violation Program: HW
Violation Source: CERS,

Site ID: 37254
Site Name: HUGHES CIRCUITS INC
Violation Date: 02-12-2014
Citation: 22 CCR 45 67450.2(b)(2) - California Code of Regulations, Title 22, Chapter 45, Section(s) 67450.2(b)(2)

HUGHES CIRCUITS INC (Continued) **1007200409**

Violation Description: Failure of the owner or operator of a FTU that treats hazardous waste to submit, in person or by certified mail with return receipt requested, the Onsite Hazardous Waste Treatment Notification-Facility page, the Business Activities Page, and the Business Owner/Operator Page of the Unified Program Consolidated Form (x/99)), an alternative version or a computer generated facsimile to the CUPA or authorized agency before sixty (60) days prior to beginning the first treatment of waste pursuant to a permit-by-rule.
Violation Notes: Returned to compliance on 05/20/2014. Container
Violation Division: San Diego County Department of Env Health
Violation Program: PBR
Violation Source: CERS,

Site ID: 37254
Site Name: HUGHES CIRCUITS INC
Violation Date: 02-12-2014
Citation: 22 CCR 12 66262.34(f) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.34(f)
Violation Description: Failure to properly label hazardous waste accumulation containers with the following requirements: "Hazardous Waste", name and address of the generator, physical and chemical characteristics of the Hazardous Waste, and starting accumulation date.
Violation Notes: Returned to compliance on 04/15/2014.
Violation Division: San Diego County Department of Env Health
Violation Program: HWLQG
Violation Source: CERS,

Site ID: 37254
Site Name: HUGHES CIRCUITS INC
Violation Date: 07-19-2016
Citation: HSC 6.5 Multiple - California Health and Safety Code, Chapter 6.5, Section(s) Multiple
Violation Description: Hazardous Waste Generator Program - Training - General
Violation Notes: Returned to compliance on 10/03/2016. Inspection Sequence ID:4086966;Violation:HMD0402 Employee training program not adequate. 22 CCR 66265.16(a) and/or (b)
Violation Division: San Diego County Department of Env Health
Violation Program: HW
Violation Source: CERS,

Site ID: 37254
Site Name: HUGHES CIRCUITS INC
Violation Date: 07-12-2021
Citation: HSC 6.5 Multiple - California Health and Safety Code, Chapter 6.5, Section(s) Multiple
Violation Description: Tiered Permitting - Administration/Documentation - General
Violation Notes: Returned to compliance on 08/10/2021. Inspection Sequence ID:6768168;Tank ID:FTU1;Violation:HMD1704 Number of tanks, containers, and/or treatment processes is not correct for each treatment unit. CE: HSC 25201.5(d)(7), 25201.5(a),(c); CEL: HSC 25201.14(a); CA: HSC 25200.3(a) & (e)(3); PBR: 22 CCR 67450.2(b)(3)(G), 67450.3(c)(4) & 67450.11
Violation Division: San Diego County Department of Env Health
Violation Program: PBR
Violation Source: CERS,

Site ID: 37254

HUGHES CIRCUITS INC (Continued) **1007200409**

Site Name:	HUGHES CIRCUITS INC
Violation Date:	07-12-2021
Citation:	22 CCR 12 66262.34(e) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.34(e)
Violation Description:	Failure to meet the following conditions of satellite accumulation regulations: Accumulate up to 55 gallons of hazardous waste or one quart of acute hazardous waste at or near the initial point of accumulation which was under the control of the operator. Total time hazardous waste can be accumulated onsite in any generator accumulation area is one year, i.e., the combined accmulation time at a satellite accumulation point and at a 90/180/270 accumulation area (depending on size of generator and distance transported), whichever comes first. The generator complies with section 66265.171, 66265.172, and 66265.173(a). The container must be clearly marked with the initial date that hazardous waste is first placed in the container and labelled with the words Hazardous Waste including specified information Container must be labelled with the date the satellite accumulation limit is reached and moved within three days after reaching the 55 gallon (or one quart) limit to a 90 day accumulation area 55 gallons (or one quart of acute hazardous waste) of waste per process may be accumulated
Violation Notes:	Returned to compliance on 07/15/2021. Inspection Sequence ID:6768168
Violation Division:	San Diego County Department of Env Health
Violation Program:	HW
Violation Source:	CERS,
Site ID:	37254
Site Name:	HUGHES CIRCUITS INC
Violation Date:	07-19-2016
Citation:	HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description:	Failure to complete and electronically submit hazardous material inventory information for all reportable hazardous materials on site at or above reportable quantities.
Violation Notes:	Returned to compliance on 10/03/2016. Inspection Sequence ID:4086966
Violation Division:	San Diego County Department of Env Health
Violation Program:	HMRRP
Violation Source:	CERS,
Site ID:	37254
Site Name:	HUGHES CIRCUITS INC
Violation Date:	02-12-2014
Citation:	22 CCR 15 66265.195(a) - California Code of Regulations, Title 22, Chapter 15, Section(s) 66265.195(a)
Violation Description:	Failure of the owner or operator to conduct inspections and maintain inspection records at the facility of the following tank equipment: 1) Overfill/spill control equipment (e.g., waste-feed cutoff systems, bypass systems, and drainage systems) to ensure that it is in good working order; 2) The aboveground portions of the tank system, if any, to detect corrosion or releases of waste; 3) Data gathered from monitoring equipment and leak-detection equipment, (e.g., pressure and temperature gauges, monitoring wells) to ensure that the tank system is being operated according to its design; 4) The construction materials and the area immediately surrounding the externally accessible portion of the tank system including secondary containment structures (e.g., dikes) to detect erosion or signs of releases of hazardous waste (e.g., wet spots, dead vegetation); and 5) For

HUGHES CIRCUITS INC (Continued) **1007200409**

uncovered tanks, the level of waste in the tank, to ensure compliance with section 66265.194(b)(3).
Violation Notes: Returned to compliance on 05/20/2014.
Violation Division: San Diego County Department of Env Health
Violation Program: HW
Violation Source: CERS,

Evaluation:
Eval General Type: Compliance Evaluation Inspection
Eval Date: 03-24-2021
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Inspector: Thai Darren Inspection ID:6503953
Eval Division: San Diego County Department of Env Health
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 06-10-2009
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Inspector Name: San Diego CUPA
Eval Division: San Diego County Department of Env Health
Eval Program: HWLQG
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 08-22-2018
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Inspector: Calcagno Leonardo Inspection ID:5951811
Eval Division: San Diego County Department of Env Health
Eval Program: HWLQG
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 03-24-2021
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Inspector: Thai Darren Inspection ID:6503953
Eval Division: San Diego County Department of Env Health
Eval Program: HWLQG
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 07-12-2021
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Inspector: Thai Darren Inspection ID:6768168
Eval Division: San Diego County Department of Env Health
Eval Program: HWLQG
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 07-19-2016
Violations Found: No
Eval Type: Routine done by local agency

HUGHES CIRCUITS INC (Continued) **1007200409**

Eval Notes: Inspector: Griffith Gary Inspection ID:4086966
Eval Division: San Diego County Department of Env Health
Eval Program: HWLQG
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 08-22-2018
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Inspector: Calcagno Leonardo Inspection ID:5951811
Eval Division: San Diego County Department of Env Health
Eval Program: PBR
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 02-12-2014
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Inspector: Chairs Michelle Inspection ID:4108584
Eval Division: San Diego County Department of Env Health
Eval Program: HWLQG
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 07-19-2016
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Inspector: Griffith Gary Inspection ID:4086966
Eval Division: San Diego County Department of Env Health
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 07-19-2016
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Inspector: Griffith Gary Inspection ID:4086966
Eval Division: San Diego County Department of Env Health
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 07-19-2016
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Inspector: Griffith Gary Inspection ID:4086966
Eval Division: San Diego County Department of Env Health
Eval Program: PBR
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 02-12-2014
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Inspector: Chairs Michelle Inspection ID:4108584
Eval Division: San Diego County Department of Env Health
Eval Program: HMRRP

HUGHES CIRCUITS INC (Continued) **1007200409**

Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 02-12-2014
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Inspector: Chairs Michelle Inspection ID:4108584
Eval Division: San Diego County Department of Env Health
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 02-12-2014
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Inspector: Chairs Michelle Inspection ID:4108584
Eval Division: San Diego County Department of Env Health
Eval Program: PBR
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 07-12-2021
Violations Found: Yes
Eval Type: Other, not routine, done by local agency
Eval Notes: Inspector: Thai Darren Inspection ID:6768168
Eval Division: San Diego County Department of Env Health
Eval Program: HW
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 07-12-2021
Violations Found: Yes
Eval Type: Other, not routine, done by local agency
Eval Notes: Inspector: Thai Darren Inspection ID:6768168
Eval Division: San Diego County Department of Env Health
Eval Program: PBR
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 08-22-2018
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Inspector: Calcagno Leonardo Inspection ID:5951811
Eval Division: San Diego County Department of Env Health
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 08-22-2018
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Inspector: Calcagno Leonardo Inspection ID:5951811
Eval Division: San Diego County Department of Env Health
Eval Program: HW
Eval Source: CERS,

HUGHES CIRCUITS INC (Continued) **1007200409**

Enforcement Action:

Site ID:	37254
Site Name:	HUGHES CIRCUITS INC
Site Address:	540 S PACIFIC ST
Site City:	SAN MARCOS
Site Zip:	92078
Enf Action Date:	06-10-2009
Enf Action Type:	Notice of Violation (Unified Program)
Enf Action Description:	Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes:	Not reported
Enf Action Division:	San Diego County Department of Env Health
Enf Action Program:	HWLQG
Enf Action Source:	CERS,

Coordinates:

Site ID:	37254
Facility Name:	HUGHES CIRCUITS INC
Env Int Type Code:	HMBP
Program ID:	10153361
Coord Name:	Not reported
Ref Point Type Desc:	Center of a facility or station.,
Latitude:	33.135100
Longitude:	-117.199760

Affiliation:

Affiliation Type Desc:	CUPA District
Entity Name:	San Diego County Env Health Qlty
Entity Title:	Not reported
Affiliation Address:	PO Box 129261
Affiliation City:	San Diego
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92112-9261
Affiliation Phone:	(858) 505-6880,
Affiliation Type Desc:	Document Preparer
Entity Name:	Julio Ascencio
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,
Affiliation Type Desc:	Identification Signer
Entity Name:	Julio Ascencio
Entity Title:	EH&S Manager
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,
Affiliation Type Desc:	Property Owner

HUGHES CIRCUITS INC (Continued) **1007200409**

Entity Name:	Hughes SMCC,LLC
Entity Title:	Not reported
Affiliation Address:	540 S Pacific St
Affiliation City:	San Marcos
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	92078
Affiliation Phone:	(760) 744-0300,
Affiliation Type Desc:	Legal Owner
Entity Name:	Hughes Circuits, Inc.
Entity Title:	Not reported
Affiliation Address:	540 S Pacific St
Affiliation City:	San Marcos
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	92078
Affiliation Phone:	(760) 744-0300,
Affiliation Type Desc:	Operator
Entity Name:	JERRY HUGHES
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	(760) 744-0300,
Affiliation Type Desc:	Parent Corporation
Entity Name:	Hughes Circuits Inc
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,
Affiliation Type Desc:	Public Contact
Entity Name:	JEFF HUGHES
Entity Title:	Not reported
Affiliation Address:	540 S PACIFIC ST
Affiliation City:	SAN MARCOS
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92078
Affiliation Phone:	7607440300,
Affiliation Type Desc:	Environmental Contact
Entity Name:	Julio R Ascencio
Entity Title:	Not reported
Affiliation Address:	540 S Pacific St
Affiliation City:	San Marcos
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92078

HUGHES CIRCUITS INC (Continued) **1007200409**

Affiliation Phone: ,

Affiliation Type Desc: Onsite Treatment Unit Owner Operator
Entity Name: Julio R Ascencio
Entity Title: EH&S Manager
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Affiliation Type Desc: Owner/Operator
Entity Name: Hughes Circuits Inc
Entity Title: Operator
Affiliation Address: 540 S Pacific St
Affiliation City: San Marcos
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 92078
Affiliation Phone: ,

Affiliation Type Desc: Company Official
Entity Name: Julio Ascencio
Entity Title: EHS Manager
Affiliation Address: 540 S PACIFIC ST
Affiliation City: SAN MARCOS
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 92078
Affiliation Phone: ,

Affiliation Type Desc: Facility Mailing Address
Entity Name: Mailing Address
Entity Title: Not reported
Affiliation Address: 540 S Pacific St
Affiliation City: San Marcos
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 92078
Affiliation Phone: ,

Affiliation Type Desc: Onsite Treatment Unit Owner Operator
Entity Name: Dewey Clines
Entity Title: Process Eng Manager
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Affiliation Type Desc: Onsite Treatment Unit Owner Operator
Entity Name: Julio Ascencio
Entity Title: EHS Manager
Affiliation Address: Not reported
Affiliation City: Not reported

HUGHES CIRCUITS INC (Continued) **1007200409**

Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,
Affiliation Type Desc:	Technical Contact
Entity Name:	JULIO R ASCENCIO
Entity Title:	Not reported
Affiliation Address:	540 S PACIFIC ST
Affiliation City:	SAN MARCOS
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92078
Affiliation Phone:	7607440300,

HWTS:

Name:	HUGHES CIRCUITS INC
Address:	540 S PACIFIC ST
Address 2:	Not reported
City,State,Zip:	SAN MARCOS, CA 92069
EPA ID:	CAL000197060
Inactive Date:	06/30/2002
Create Date:	04/06/1999
Last Act Date:	Not reported
Mailing Name:	Not reported
Mailing Address:	540 S PACIFIC ST
Mailing Address 2:	Not reported
Mailing City,State,Zip:	SAN MARCOS, CA 920690000
Owner Name:	JERRY HUGHES
Owner Address:	540 S PACIFIC ST
Owner Address 2:	Not reported
Owner City,State,Zip:	SAN MARCOS, CA 920690000
Contact Name:	JEFF HUGHES
Contact Address:	540 S PACIFIC ST
Contact Address 2:	Not reported
City,State,Zip:	SAN MARCOS, CA 920690000
Facility Status:	Inactive
Facility Type:	PERMANENT
Category:	STATE
Latitude:	33.136934
Longitude:	-117.199824

NAICS:

EPA ID:	CAL000197060
Create Date:	2002-03-14 16:36:29.000
NAICS Code:	334412
NAICS Description:	Bare Printed Circuit Board Manufacturing
Issued EPA ID Date:	1999-04-06 00:00:00
Inactive Date:	2002-06-30 00:00:00
Facility Name:	HUGHES CIRCUITS INC
Facility Address:	540 S PACIFIC ST
Facility Address 2:	Not reported
Facility City:	SAN MARCOS
Facility County:	Not reported
Facility State:	CA
Facility Zip:	920690000

AJ193 **GEC MARCONI ELECTRONIC SYSTEMS** **SEMS-ARCHIVE** **1000386386**
SW **1370 SAN MARCOS BLVD** **CORRACTS** **CAD046589305**
1/2-1 **SAN MARCOS, CA 92069** **RCRA-TSDF**
0.885 mi. **RCRA-SQG**
4672 ft. **Site 1 of 3 in cluster AJ** **2020 COR ACTION**

Relative:
Lower

Actual:
515 ft.

SEMS Archive:

Site ID:	0904463
EPA ID:	CAD046589305
Name:	PLESSY ELECTRONIC/GEC MARCONI
Address:	1370 SAN MARCOS
Address 2:	Not reported
City,State,Zip:	SAN MARCOS, CA 92069
Cong District:	43
FIPS Code:	06073
FF:	N
NPL:	Not on the NPL
Non NPL Status:	Deferred to RCRA (Subtitle C)

SEMS Archive Detail:

Region:	09
Site ID:	0904463
EPA ID:	CAD046589305
Site Name:	PLESSY ELECTRONIC/GEC MARCONI
NPL:	N
FF:	N
OU:	00
Action Code:	VS
Action Name:	ARCH SITE
SEQ:	1
Start Date:	Not reported
Finish Date:	1996-01-23 05:00:00
Qual:	Not reported
Current Action Lead:	EPA Perf In-Hse

Region:	09
Site ID:	0904463
EPA ID:	CAD046589305
Site Name:	PLESSY ELECTRONIC/GEC MARCONI
NPL:	N
FF:	N
OU:	00
Action Code:	PA
Action Name:	PA
SEQ:	1
Start Date:	Not reported
Finish Date:	1992-05-26 04:00:00
Qual:	D
Current Action Lead:	EPA Perf

Region:	09
Site ID:	0904463
EPA ID:	CAD046589305
Site Name:	PLESSY ELECTRONIC/GEC MARCONI
NPL:	N
FF:	N
OU:	00
Action Code:	DS
Action Name:	DISCVRY
SEQ:	1

GEC MARCONI ELECTRONIC SYSTEMS (Continued) **1000386386**

Start Date: 1992-04-08 04:00:00
Finish Date: 1992-04-08 04:00:00
Qual: Not reported
Current Action Lead: EPA Perf

CORRACTS:
Name: GEC MARCONI ELECTRONIC SYSTEMS
Address: 1370 SAN MARCOS BLVD
Address 2: Not reported
EPA ID: CAD046589305
Area Name: SOILS
Corrective Action: INVESTIGATION COMPLETE
Actual Date: 19951220
Air Release Indicator: Not reported
Groundwater Release Indicator: Not reported
Soil Release Indicator: Not reported
Surface Water Release Indicator: Not reported

Name: GEC MARCONI ELECTRONIC SYSTEMS
Address: 1370 SAN MARCOS BLVD
Address 2: Not reported
EPA ID: CAD046589305
Area Name: ENTIRE FACILITY
Corrective Action: STABILIZATION/INTERIM MEASURES DECISION-GROUNDWATER EXTRACTION and TREATMENT
Actual Date: 19881220
Air Release Indicator: Not reported
Groundwater Release Indicator: Not reported
Soil Release Indicator: Not reported
Surface Water Release Indicator: Not reported

Name: GEC MARCONI ELECTRONIC SYSTEMS
Address: 1370 SAN MARCOS BLVD
Address 2: Not reported
EPA ID: CAD046589305
Area Name: ENTIRE FACILITY
Corrective Action: STABILIZATION/INTERIM MEASURES DECISION-PRIMARY MEAS IS SOURCE REMOVL and/OR TRT
Actual Date: 19881220
Air Release Indicator: Not reported
Groundwater Release Indicator: Not reported
Soil Release Indicator: Not reported
Surface Water Release Indicator: Not reported

Name: GEC MARCONI ELECTRONIC SYSTEMS
Address: 1370 SAN MARCOS BLVD
Address 2: Not reported
EPA ID: CAD046589305
Area Name: ENTIRE FACILITY
Corrective Action: REMEDY CONSTRUCTION-REMEDY CONSTRUCTED
Actual Date: 20120221
Air Release Indicator: Not reported
Groundwater Release Indicator: Not reported
Soil Release Indicator: Not reported
Surface Water Release Indicator: Not reported

GEC MARCONI ELECTRONIC SYSTEMS (Continued) **1000386386**

Name: GEC MARCONI ELECTRONIC SYSTEMS
Address: 1370 SAN MARCOS BLVD
Address 2: Not reported
EPA ID: CAD046589305
Area Name: ENTIRE FACILITY
Corrective Action: HUMAN EXPOSURES CONTROLLED DETERMINATION-YES, APPLICABLE AS OF THIS DATE
Actual Date: 19971215
Air Release Indicator: Not reported
Groundwater Release Indicator: Not reported
Soil Release Indicator: Not reported
Surface Water Release Indicator: Not reported

Name: GEC MARCONI ELECTRONIC SYSTEMS
Address: 1370 SAN MARCOS BLVD
Address 2: Not reported
EPA ID: CAD046589305
Area Name: ENTIRE FACILITY
Corrective Action: RELEASE TO GW CONTROLLED DETERMINATION-MORE INFORMATION NEEDED
Actual Date: 19971215
Air Release Indicator: Not reported
Groundwater Release Indicator: Not reported
Soil Release Indicator: Not reported
Surface Water Release Indicator: Not reported

Name: GEC MARCONI ELECTRONIC SYSTEMS
Address: 1370 SAN MARCOS BLVD
Address 2: Not reported
EPA ID: CAD046589305
Area Name: ENTIRE FACILITY
Corrective Action: RELEASE TO GW CONTROLLED DETERMINATION-YES, APPLICABLE AS OF THIS DATE
Actual Date: 20120221
Air Release Indicator: Not reported
Groundwater Release Indicator: Not reported
Soil Release Indicator: Not reported
Surface Water Release Indicator: Not reported

RCRA Listings:
Date Form Received by Agency: 19960901
Handler Name: GEC MARCONI ELECTRONIC SYSTEMS
Handler Address: 1370 SAN MARCOS BLVD
Handler City,State,Zip: SAN MARCOS, CA 92069
EPA ID: CAD046589305
Contact Name: Not reported
Contact Address: Not reported
Contact City,State,Zip: Not reported
Contact Telephone: Not reported
Contact Fax: Not reported
Contact Email: Not reported
Contact Title: Not reported
EPA Region: 09
Land Type: Not reported
Federal Waste Generator Description: Small Quantity Generator
Non-Notifier: Not reported
Biennial Report Cycle: Not reported
Accessibility: Not reported
Active Site Indicator: Handler Activities, Corrective Action Activities

GEC MARCONI ELECTRONIC SYSTEMS (Continued) **1000386386**

State District Owner:		CA
State District:		4
Mailing Address:		1370 SAN MARCOS BLVD
Mailing City,State,Zip:		SAN MARCOS, CA 92069
Owner Name:	Not reported	
Owner Type:		Not reported
Operator Name:	SINGER CO- KEARFOTT DIVISION	
Operator Type:		Private
Short-Term Generator Activity:		No
Importer Activity:		No
Mixed Waste Generator:		No
Transporter Activity:		No
Transfer Facility Activity:		No
Recycler Activity with Storage:		No
Small Quantity On-Site Burner Exemption:		No
Smelting Melting and Refining Furnace Exemption:		No
Underground Injection Control:		No
Off-Site Waste Receipt:		No
Universal Waste Indicator:		No
Universal Waste Destination Facility:		No
Federal Universal Waste:		No
Active Site Fed-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site Converter Treatment storage and Disposal Facility:		Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site State-Reg Handler:		---
Federal Facility Indicator:		Not reported
Hazardous Secondary Material Indicator:		NN
Sub-Part K Indicator:		Not reported
Commercial TSD Indicator:		No
Treatment Storage and Disposal Type:		Storage
2018 GPRA Permit Baseline:		Not on the Baseline
2018 GPRA Renewals Baseline:		Not on the Baseline
Permit Renewals Workload Universe:		Not reported
Permit Workload Universe:		Not reported
Permit Progress Universe:		Storage
Post-Closure Workload Universe:		Not reported
Closure Workload Universe:		Not reported
202 GPRA Corrective Action Baseline:		Yes
Corrective Action Workload Universe:		Yes
Subject to Corrective Action Universe:		Yes
Non-TSDFs Where RCRA CA has Been Imposed Universe:		No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:		No
TSDFs Only Subject to CA under Discretionary Auth Universe:		Yes
Corrective Action Priority Ranking:		No NCAPS ranking
Environmental Control Indicator:		No
Institutional Control Indicator:		No
Human Exposure Controls Indicator:		Yes
Groundwater Controls Indicator:		Yes
Operating TSDF Universe:		Not reported
Full Enforcement Universe:		Not reported
Significant Non-Complier Universe:		No
Unaddressed Significant Non-Complier Universe:		No
Addressed Significant Non-Complier Universe:		No
Significant Non-Complier With a Compliance Schedule Universe:		No
Financial Assurance Required:		Not reported
Handler Date of Last Change:		20060905
Recognized Trader-Importer:		No

GEC MARCONI ELECTRONIC SYSTEMS (Continued) **1000386386**

Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	Not reported
Manifest Broker:	Not reported
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name:	GEC MARCONI ELECTRONIC SYST
Legal Status:	Private
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	1370 SAN MARCOS BLVD
Owner/Operator City,State,Zip:	SAN MARCOS, CA 92069
Owner/Operator Telephone:	619-744-1141
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name:	SINGER CO- KEARFOTT DIVISION
Legal Status:	Private
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	1370 SAN MARCOS BLVD
Owner/Operator City,State,Zip:	CITY NOT REPORTED, CA 99999
Owner/Operator Telephone:	714-744-1141
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name:	SINGER CO- KEARFOTT DIVISION
Legal Status:	Private
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	1370 SAN MARCOS BLVD
Owner/Operator City,State,Zip:	CITY NOT REPORTED, CA 99999
Owner/Operator Telephone:	714-744-1141
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	19960901
Handler Name:	GEC MARCONI ELECTRONIC SYSTEMS
Federal Waste Generator Description:	Large Quantity Generator
State District Owner:	CA
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	No

GEC MARCONI ELECTRONIC SYSTEMS (Continued) **1000386386**

Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 19960901
Handler Name: GEC MARCONI ELECTRONIC SYSTEMS
Federal Waste Generator Description: Small Quantity Generator
State District Owner: CA
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 19930730
Handler Name: GEC MARCONI ELECTRONIC SYSTEMS
Federal Waste Generator Description: Large Quantity Generator
State District Owner: CA
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 19900321
Handler Name: PLESSEY ELECTRONIC SYSTEMS CORP
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 19920228
Handler Name: GEC-MARCONI ELECTRONIC SYST.
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 19940330
Handler Name: GEC-MARCONI ELECTRONIC SYSTEMS CORP.

GEC MARCONI ELECTRONIC SYSTEMS (Continued) **1000386386**

Federal Waste Generator Description:	Large Quantity Generator
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	No
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

List of NAICS Codes and Descriptions:

NAICS Code:	33429
NAICS Description:	OTHER COMMUNICATIONS EQUIPMENT MANUFACTURING
NAICS Code:	334511
NAICS Description:	SEARCH, DETECTION, NAVIGATION, GUIDANCE, AERONAUTICAL, AND NAUTICAL SYSTEM AND INSTRUMENT MANUFACTURING

Facility Has Received Notices of Violation:

Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	Generators - General
Date Violation was Determined:	19920316
Actual Return to Compliance Date:	19930504
Return to Compliance Qualifier:	Unverifiable
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported

GEC MARCONI ELECTRONIC SYSTEMS (Continued) **1000386386**

Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: LDR - General
Date Violation was Determined: 19880908
Actual Return to Compliance Date: 19881115
Return to Compliance Qualifier: Observed
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: Not reported
Date of Enforcement Action: Not reported
Enforcement Responsible Agency: Not reported
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: Not reported
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: Generators - General
Date Violation was Determined: 19930504
Actual Return to Compliance Date: 19980504
Return to Compliance Qualifier: Not Resolved
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: Not reported
Date of Enforcement Action: Not reported
Enforcement Responsible Agency: Not reported
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: Not reported
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported

GEC MARCONI ELECTRONIC SYSTEMS (Continued) **1000386386**

Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: Generators - General
Date Violation was Determined: 19900605
Actual Return to Compliance Date: 19920316
Return to Compliance Qualifier: Unverifiable
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: Not reported
Date of Enforcement Action: Not reported
Enforcement Responsible Agency: Not reported
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: Not reported
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported

GEC MARCONI ELECTRONIC SYSTEMS (Continued) **1000386386**

Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: TSD - Financial Requirements
Date Violation was Determined: 19880916
Actual Return to Compliance Date: 19881129
Return to Compliance Qualifier: Observed
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: 001
Date of Enforcement Action: 19881017
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: R9STA
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: TSD - General
Date Violation was Determined: 19880908
Actual Return to Compliance Date: 19881024
Return to Compliance Qualifier: Observed
Violation Responsible Agency: State
Scheduled Compliance Date: 19881031
Enforcement Identifier: 001
Date of Enforcement Action: 19881017
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported

GEC MARCONI ELECTRONIC SYSTEMS (Continued) **1000386386**

Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: R9STA
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: LDR - General
Date Violation was Determined: 19880908
Actual Return to Compliance Date: 19881115
Return to Compliance Qualifier: Observed
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: Not reported
Date of Enforcement Action: Not reported
Enforcement Responsible Agency: Not reported
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: Not reported
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported

GEC MARCONI ELECTRONIC SYSTEMS (Continued) **1000386386**

Final Amount: Not reported

Evaluation Action Summary:

Evaluation Date: 19920316
Evaluation Responsible Agency: State Contractor/Grantee
Found Violation: Yes
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: R9STA
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: 19930504
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 19880908
Evaluation Responsible Agency: State
Found Violation: Yes
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: R9STA
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: 19881115
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 19930504
Evaluation Responsible Agency: State Contractor/Grantee
Found Violation: Yes
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: R9STA
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: 19980504
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 19900605
Evaluation Responsible Agency: State Contractor/Grantee
Found Violation: Yes
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: R9STA
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: 19920316
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 19880916
Evaluation Responsible Agency: State

GEC MARCONI ELECTRONIC SYSTEMS (Continued) **1000386386**

Found Violation:	Yes
Evaluation Type Description:	FINANCIAL RECORD REVIEW
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19881129
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	19880908
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19881024
Scheduled Compliance Date:	19881031
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	19880908
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19881115
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

GEC MARCONI ELECTRONIC SYSTEMS (Continued) **1000386386**

RCRA Listings:

Date Form Received by Agency:	19960901
Handler Name:	GEC MARCONI ELECTRONIC SYSTEMS
Handler Address:	1370 SAN MARCOS BLVD
Handler City,State,Zip:	SAN MARCOS, CA 92069
EPA ID:	CAD046589305
Contact Name:	Not reported
Contact Address:	Not reported
Contact City,State,Zip:	Not reported
Contact Telephone:	Not reported
Contact Fax:	Not reported
Contact Email:	Not reported
Contact Title:	Not reported
EPA Region:	09
Land Type:	Not reported
Federal Waste Generator Description:	Small Quantity Generator
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Handler Activities, Corrective Action Activities
State District Owner:	CA
State District:	4
Mailing Address:	1370 SAN MARCOS BLVD
Mailing City,State,Zip:	SAN MARCOS, CA 92069
Owner Name:	Not reported
Owner Type:	Not reported
Operator Name:	SINGER CO- KEARFOTT DIVISION
Operator Type:	Private
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	NN
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Storage
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Storage
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported

GEC MARCONI ELECTRONIC SYSTEMS (Continued) **1000386386**

202 GPRA Corrective Action Baseline:	Yes
Corrective Action Workload Universe:	Yes
Subject to Corrective Action Universe:	Yes
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	Yes
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	Yes
Groundwater Controls Indicator:	Yes
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20060905
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	Not reported
Manifest Broker:	Not reported
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name: GEC MARCONI ELECTRONIC SYST	
Legal Status:	Private
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	1370 SAN MARCOS BLVD
Owner/Operator City,State,Zip:	SAN MARCOS, CA 92069
Owner/Operator Telephone:	619-744-1141
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name: SINGER CO- KEARFOTT DIVISION	
Legal Status:	Private
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	1370 SAN MARCOS BLVD
Owner/Operator City,State,Zip:	CITY NOT REPORTED, CA 99999
Owner/Operator Telephone:	714-744-1141
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name: SINGER CO- KEARFOTT DIVISION	
Legal Status:	Private
Date Became Current:	Not reported

GEC MARCONI ELECTRONIC SYSTEMS (Continued) **1000386386**

Date Ended Current: Not reported
Owner/Operator Address: 1370 SAN MARCOS BLVD
Owner/Operator City,State,Zip: CITY NOT REPORTED, CA 99999
Owner/Operator Telephone: 714-744-1141
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:

Receive Date: 19960901
Handler Name: GEC MARCONI ELECTRONIC SYSTEMS
Federal Waste Generator Description: Large Quantity Generator
State District Owner: CA
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 19960901
Handler Name: GEC MARCONI ELECTRONIC SYSTEMS
Federal Waste Generator Description: Small Quantity Generator
State District Owner: CA
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 19930730
Handler Name: GEC MARCONI ELECTRONIC SYSTEMS
Federal Waste Generator Description: Large Quantity Generator
State District Owner: CA
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 19900321
Handler Name: PLESSEY ELECTRONIC SYSTEMS CORP
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No

GEC MARCONI ELECTRONIC SYSTEMS (Continued) **1000386386**

Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 19920228
Handler Name: GEC-MARCONI ELECTRONIC SYST.
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 19940330
Handler Name: GEC-MARCONI ELECTRONIC SYSTEMS CORP.
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Code: 33429
NAICS Description: OTHER COMMUNICATIONS EQUIPMENT MANUFACTURING

NAICS Code: 334511
NAICS Description: SEARCH, DETECTION, NAVIGATION, GUIDANCE, AERONAUTICAL, AND NAUTICAL SYSTEM AND INSTRUMENT MANUFACTURING

Facility Has Received Notices of Violation:
Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: Generators - General
Date Violation was Determined: 19920316
Actual Return to Compliance Date: 19930504
Return to Compliance Qualifier: Unverifiable
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: Not reported
Date of Enforcement Action: Not reported
Enforcement Responsible Agency: Not reported
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: Not reported
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported

GEC MARCONI ELECTRONIC SYSTEMS (Continued) **1000386386**

Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: LDR - General
Date Violation was Determined: 19880908
Actual Return to Compliance Date: 19881115
Return to Compliance Qualifier: Observed
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: Not reported
Date of Enforcement Action: Not reported
Enforcement Responsible Agency: Not reported
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: Not reported
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported

GEC MARCONI ELECTRONIC SYSTEMS (Continued) **1000386386**

Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: Generators - General
Date Violation was Determined: 19930504
Actual Return to Compliance Date: 19980504
Return to Compliance Qualifier: Not Resolved
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: Not reported
Date of Enforcement Action: Not reported
Enforcement Responsible Agency: Not reported
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: Not reported
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: Generators - General
Date Violation was Determined: 19900605
Actual Return to Compliance Date: 19920316
Return to Compliance Qualifier: Unverifiable
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: Not reported
Date of Enforcement Action: Not reported
Enforcement Responsible Agency: Not reported
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: Not reported
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported

GEC MARCONI ELECTRONIC SYSTEMS (Continued) **1000386386**

Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: TSD - Financial Requirements
Date Violation was Determined: 19880916
Actual Return to Compliance Date: 19881129
Return to Compliance Qualifier: Observed
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: 001
Date of Enforcement Action: 19881017
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: R9STA
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported

GEC MARCONI ELECTRONIC SYSTEMS (Continued) **1000386386**

Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: TSD - General
Date Violation was Determined: 19880908
Actual Return to Compliance Date: 19881024
Return to Compliance Qualifier: Observed
Violation Responsible Agency: State
Scheduled Compliance Date: 19881031
Enforcement Identifier: 001
Date of Enforcement Action: 19881017
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: R9STA
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: LDR - General
Date Violation was Determined: 19880908
Actual Return to Compliance Date: 19881115
Return to Compliance Qualifier: Observed
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: Not reported
Date of Enforcement Action: Not reported
Enforcement Responsible Agency: Not reported
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: Not reported
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported

GEC MARCONI ELECTRONIC SYSTEMS (Continued) **1000386386**

Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Evaluation Action Summary:
Evaluation Date: 19920316
Evaluation Responsible Agency: State Contractor/Grantee
Found Violation: Yes
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: R9STA
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: 19930504
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 19880908
Evaluation Responsible Agency: State
Found Violation: Yes
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: R9STA
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: 19881115
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 19930504
Evaluation Responsible Agency: State Contractor/Grantee
Found Violation: Yes
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: R9STA
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: 19980504
Scheduled Compliance Date: Not reported
Date of Request: Not reported

GEC MARCONI ELECTRONIC SYSTEMS (Continued) **1000386386**

Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19900605
Evaluation Responsible Agency:	State Contractor/Grantee
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19920316
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19880916
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	FINANCIAL RECORD REVIEW
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19881129
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19880908
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19881024
Scheduled Compliance Date:	19881031
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19880908
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19881115
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

GEC MARCONI ELECTRONIC SYSTEMS (Continued) **1000386386**

2020 COR ACTION:
EPA ID: CAD046589305
Region: 9
Action: Remedy Construction

AJ194 **THE SINGER CO/KEARFOTT DIVISIO** **HIST UST** **U001572232**
SW **1370 W SAN MARCOS BLVD** **HWP** **N/A**
1/2-1 **SAN MARCOS, CA 92069** **NPDES**
0.885 mi. **CIWQS**
4672 ft. **Site 2 of 3 in cluster AJ** **CERS**

Relative:
Lower

Actual:
515 ft.

HIST UST:
Name: THE SINGER CO/KEARFOTT DIVISIO
Address: 1370 W SAN MARCOS BLVD
City,State,Zip: SAN MARCOS, CA 92069
File Number: Not reported
URL: Not reported
Region: STATE
Facility ID: 00000021768
Facility Type: Other
Other Type: Not reported
Contact Name: Not reported
Telephone: 6197441141
Owner Name: THE SINGER COMPANY/KEARFOTT DI
Owner Address: 1370 SAN MARCOS BLVD
Owner City,St,Zip: SAN MARCOS, CA 92069
Total Tanks: 0002

Tank Num: 001
Container Num: 1
Year Installed: 1982
Tank Capacity: 00000500
Tank Used for: WASTE
Type of Fuel: WASTE OIL
Container Construction Thickness: Not reported
Leak Detection: None

Tank Num: 002
Container Num: 02
Year Installed: 1970
Tank Capacity: 00001000
Tank Used for: WASTE
Type of Fuel: Not reported
Container Construction Thickness: 12"
Leak Detection: None

HWP:
EPA ID: CAD046589305
Name: BAE SYSTEMS IESI
Address: 1370 W SAN MARCOS BLVD
Cleanup Status: CLOSED
Latitude: 33.13231
Longitude: -117.2004
Facility Type: Historical - Non-Operating
Facility Size: Not reported
Supervisor: Not reported
Site Code: Not reported

THE SINGER CO/KEARFOTT DIVISIO (Continued) **U001572232**

Senate District: 38
Assembly District: 75
Public Information Officer: Not reported
Commercial Offsite Facility Types: Not reported
Quarterly Update: Not reported
Project Manager Lead: Not reported
Project Manager: Not reported
Permit Type: RCRA
Permit Effective Date: Not reported
Permit Expiration Date: Not reported
Calenviroscreen Score: 56-60%
Total Planned Hours: Not reported
Total Planned Amount: Not reported
Total Actual Hours: Not reported

Activities:

EPA ID: CAD046589305
Facility Type: Historical - Non-Operating
Facility Name: BAE SYSTEMS IESI
Project Manager: Not reported
Project Manager Lead: Not reported
Supervisor: Not reported
Facility Status: CLOSED
Activity Type: New Operating Permit
Permit Being Renewed: Not reported
Permit Being Modified: Not reported
Final Date: 1990-03-30 00:00:00
Type: Not reported
Title Description: Imported 12/2011:PERMIT1
Due Date: Not reported
Comments: INTENDS/CLOSED ALL WASTE HANDLING FACILITY, INTENDS/CLOSED ALL WASTE HANDLING FACILITY, Approved Request
Unit Names: CONTAIN1, TANKSTR1
Event Description: New Operating Permit - FINAL PERMIT - WITHDRAWAL REQUEST RECEIVED
Actual Date: 05/04/1989

EPA ID: CAD046589305
Facility Type: Historical - Non-Operating
Facility Name: BAE SYSTEMS IESI
Project Manager: Not reported
Project Manager Lead: Not reported
Supervisor: Not reported
Facility Status: CLOSED
Activity Type: New Operating Permit
Permit Being Renewed: Not reported
Permit Being Modified: Not reported
Final Date: 1990-03-30 00:00:00
Type: Not reported
Title Description: Imported 12/2011:PERMIT1
Due Date: Not reported
Comments: INTENDS/CLOSED ALL WASTE HANDLING FACILITY, INTENDS/CLOSED ALL WASTE HANDLING FACILITY, Approved Request
Unit Names: CONTAIN1, TANKSTR1
Event Description: New Operating Permit - FINAL PERMIT - WITHDRAWAL REQUEST ACKNOWLEDGED
Actual Date: 03/30/1990

EPA ID: CAD046589305
Facility Type: Historical - Non-Operating

THE SINGER CO/KEARFOTT DIVISIO (Continued) **U001572232**

Facility Name:	BAE SYSTEMS IESI
Project Manager:	Not reported
Project Manager Lead:	Not reported
Supervisor:	Not reported
Facility Status:	CLOSED
Activity Type:	New Operating Permit
Permit Being Renewed:	Not reported
Permit Being Modified:	Not reported
Final Date:	1990-03-30 00:00:00
Type:	Not reported
Title Description:	Imported 12/2011:PERMIT1
Due Date:	Not reported
Comments:	Not reported
Unit Names:	CONTAIN1, TANKSTR1
Event Description:	New Operating Permit - APPLICATION PART B RECEIVED
Actual Date:	11/04/1988

EPA ID:	CAD046589305
Facility Type:	Historical - Non-Operating
Facility Name:	BAE SYSTEMS IESI
Project Manager:	Not reported
Project Manager Lead:	Not reported
Supervisor:	Not reported
Facility Status:	CLOSED
Activity Type:	New Operating Permit
Permit Being Renewed:	Not reported
Permit Being Modified:	Not reported
Final Date:	1990-03-30 00:00:00
Type:	Not reported
Title Description:	Imported 12/2011:PERMIT1
Due Date:	Not reported
Comments:	Not reported
Unit Names:	CONTAIN1, TANKSTR1
Event Description:	New Operating Permit - APPLICATION PART A RECEIVED
Actual Date:	11/17/1980

EPA ID:	CAD046589305
Facility Type:	Historical - Non-Operating
Facility Name:	BAE SYSTEMS IESI
Project Manager:	Not reported
Project Manager Lead:	Not reported
Supervisor:	Not reported
Facility Status:	CLOSED
Activity Type:	New Operating Permit
Permit Being Renewed:	Not reported
Permit Being Modified:	Not reported
Final Date:	1990-03-30 00:00:00
Type:	Not reported
Title Description:	Imported 12/2011:PERMIT1
Due Date:	Not reported
Comments:	Not reported
Unit Names:	CONTAIN1, TANKSTR1
Event Description:	New Operating Permit - CALL-IN LETTER ISSUED
Actual Date:	03/21/1983

Closure:

EPA ID:	CAD046589305

THE SINGER CO/KEARFOTT DIVISIO (Continued) **U001572232**

Facility Type:	Historical - Non-Operating
Facility Name:	BAE SYSTEMS IESI
Project Manager:	Not reported
Project Manager Lead:	Not reported
Supervisor:	Not reported
Facility Size:	Not reported
Facility Status:	CLOSED
Activity Type:	Closure Final
Final Date:	Not reported
Type:	Not reported
Title Description:	Closure
Due Date:	Not reported
Comments:	Not reported
Unit Names:	CONTAIN1, TANKSTR1
Event Description:	Closure Final - ISSUE CLOSURE VERIFICATION
Actual Date:	03/31/1992

EPA ID:	CAD046589305
Facility Type:	Historical - Non-Operating
Facility Name:	BAE SYSTEMS IESI
Project Manager:	Not reported
Project Manager Lead:	Not reported
Supervisor:	Not reported
Facility Size:	Not reported
Facility Status:	CLOSED
Activity Type:	Closure Final
Final Date:	Not reported
Type:	Not reported
Title Description:	Closure
Due Date:	Not reported
Comments:	Not reported
Unit Names:	CONTAIN1, TANKSTR1
Event Description:	Closure Final - RECEIVE CLOSURE CERTIFICATION
Actual Date:	02/12/1991

NPDES:

Name:	LA PROVENCE BAKERY
Address:	1370 W SAN MARCOS BLVD STE 130
City,State,Zip:	SAN MARCOS, CA 92078
Facility Status:	Active
NPDES Number:	CAS000001
Region:	9
Agency Number:	0
Regulatory Measure ID:	463973
Place ID:	Not reported
Order Number:	97-03-DWQ
WDID:	9 37NEC000980
Regulatory Measure Type:	Enrollee
Program Type:	Industrial
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	10/07/2015
Termination Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Discharge Address:	1370 W San Marcos Blvd Ste 130
Discharge Name:	La Provence Bakery
Discharge City:	San Marcos

THE SINGER CO/KEARFOTT DIVISIO (Continued) **U001572232**

Discharge State:	California
Discharge Zip:	92078
Status:	Not reported
Status Date:	Not reported
Operator Name:	Not reported
Operator Address:	Not reported
Operator City:	Not reported
Operator State:	Not reported
Operator Zip:	Not reported

NPDES as of 03/2018:

NPDES Number:	Not reported
Status:	Not reported
Agency Number:	Not reported
Region:	9
Regulatory Measure ID:	463973
Order Number:	Not reported
Regulatory Measure Type:	Industrial
Place ID:	Not reported
WDID:	9 37NEC000980
Program Type:	Not reported
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	Not reported
Discharge Address:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
Received Date:	09/30/2015
Processed Date:	10/07/2015
Status:	Active
Status Date:	10/07/2015
Place Size:	19000
Place Size Unit:	SqFt
Contact:	Karen Dardaine
Contact Title:	Not reported
Contact Phone:	760-736-3299
Contact Phone Ext:	Not reported
Contact Email:	karend@laprovenceinc.com
Operator Name:	La Provence Bakery
Operator Address:	1370 W San Marcos Blvd Ste 130
Operator City:	San Marcos
Operator State:	California
Operator Zip:	92078
Operator Contact:	Karen Dardaine
Operator Contact Title:	Not reported
Operator Contact Phone:	760-736-3299
Operator Contact Phone Ext:	Not reported
Operator Contact Email:	karend@laprovenceinc.com
Operator Type:	Private Business
Developer:	Not reported
Developer Address:	Not reported
Developer City:	Not reported
Developer State:	California
Developer Zip:	Not reported
Developer Contact:	Not reported

THE SINGER CO/KEARFOTT DIVISIO (Continued) **U001572232**

Developer Contact Title:	Not reported
Constype Linear Utility Ind:	Not reported
Emergency Phone:	Not reported
Emergency Phone Ext:	Not reported
Constype Above Ground Ind:	Not reported
Constype Below Ground Ind:	Not reported
Constype Cable Line Ind:	Not reported
Constype Comm Line Ind:	Not reported
Constype Commertial Ind:	Not reported
Constype Electrical Line Ind:	Not reported
Constype Gas Line Ind:	Not reported
Constype Industrial Ind:	Not reported
Constype Other Description:	Not reported
Constype Other Ind:	Not reported
Constype Recons Ind:	Not reported
Constype Residential Ind:	Not reported
Constype Transport Ind:	Not reported
Constype Utility Description:	Not reported
Constype Utility Ind:	Not reported
Constype Water Sewer Ind:	Not reported
Dir Discharge Uswater Ind:	Not reported
Receiving Water Name:	Not reported
Certifier:	Karen Dardaine
Certifier Title:	Accounting
Certification Date:	12-SEP-16
Primary Sic:	2051-Bread and Other Bakery Products, Except Cookies and Crackers
Secondary Sic:	Not reported
Tertiary Sic:	Not reported

NPDES Number:	CAS000001
Status:	Active
Agency Number:	0
Region:	9
Regulatory Measure ID:	463973
Order Number:	97-03-DWQ
Regulatory Measure Type:	Enrollee
Place ID:	Not reported
WDID:	9 37NEC000980
Program Type:	Industrial
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	10/07/2015
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	La Provence Bakery
Discharge Address:	1370 W San Marcos Blvd Ste 130
Discharge City:	San Marcos
Discharge State:	California
Discharge Zip:	92078
Received Date:	Not reported
Processed Date:	Not reported
Status:	Not reported
Status Date:	Not reported
Place Size:	Not reported
Place Size Unit:	Not reported
Contact:	Not reported
Contact Title:	Not reported
Contact Phone:	Not reported

THE SINGER CO/KEARFOTT DIVISIO (Continued) **U001572232**

Contact Phone Ext:	Not reported
Contact Email:	Not reported
Operator Name:	Not reported
Operator Address:	Not reported
Operator City:	Not reported
Operator State:	Not reported
Operator Zip:	Not reported
Operator Contact:	Not reported
Operator Contact Title:	Not reported
Operator Contact Phone:	Not reported
Operator Contact Phone Ext:	Not reported
Operator Contact Email:	Not reported
Operator Type:	Not reported
Developer:	Not reported
Developer Address:	Not reported
Developer City:	Not reported
Developer State:	Not reported
Developer Zip:	Not reported
Developer Contact:	Not reported
Developer Contact Title:	Not reported
Constype Linear Utility Ind:	Not reported
Emergency Phone:	Not reported
Emergency Phone Ext:	Not reported
Constype Above Ground Ind:	Not reported
Constype Below Ground Ind:	Not reported
Constype Cable Line Ind:	Not reported
Constype Comm Line Ind:	Not reported
Constype Commertial Ind:	Not reported
Constype Electrical Line Ind:	Not reported
Constype Gas Line Ind:	Not reported
Constype Industrial Ind:	Not reported
Constype Other Description:	Not reported
Constype Other Ind:	Not reported
Constype Recons Ind:	Not reported
Constype Residential Ind:	Not reported
Constype Transport Ind:	Not reported
Constype Utility Description:	Not reported
Constype Utility Ind:	Not reported
Constype Water Sewer Ind:	Not reported
Dir Discharge Uswater Ind:	Not reported
Receiving Water Name:	Not reported
Certifier:	Not reported
Certifier Title:	Not reported
Certification Date:	Not reported
Primary Sic:	Not reported
Secondary Sic:	Not reported
Tertiary Sic:	Not reported

Name:	LA PROVENCE BAKERY
Address:	1370 W SAN MARCOS BLVD STE 130
City,State,Zip:	SAN MARCOS, CA 92078
Facility Status:	Not reported
NPDES Number:	Not reported
Region:	Not reported
Agency Number:	Not reported
Regulatory Measure ID:	Not reported

THE SINGER CO/KEARFOTT DIVISIO (Continued) **U001572232**

Place ID:	Not reported
Order Number:	Not reported
WDID:	9 37NEC000980
Regulatory Measure Type:	Industrial
Program Type:	Not reported
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Discharge Address:	Not reported
Discharge Name:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
Status:	Active
Status Date:	10/07/2015
Operator Name:	La Provence Bakery
Operator Address:	1370 W San Marcos Blvd Ste 130
Operator City:	San Marcos
Operator State:	California
Operator Zip:	92078

NPDES as of 03/2018:

NPDES Number:	Not reported
Status:	Not reported
Agency Number:	Not reported
Region:	9
Regulatory Measure ID:	463973
Order Number:	Not reported
Regulatory Measure Type:	Industrial
Place ID:	Not reported
WDID:	9 37NEC000980
Program Type:	Not reported
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	Not reported
Discharge Address:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
Received Date:	09/30/2015
Processed Date:	10/07/2015
Status:	Active
Status Date:	10/07/2015
Place Size:	19000
Place Size Unit:	SqFt
Contact:	Karen Dardaine
Contact Title:	Not reported
Contact Phone:	760-736-3299
Contact Phone Ext:	Not reported
Contact Email:	karend@laprovenceinc.com
Operator Name:	La Provence Bakery
Operator Address:	1370 W San Marcos Blvd Ste 130
Operator City:	San Marcos
Operator State:	California
Operator Zip:	92078

THE SINGER CO/KEARFOTT DIVISIO (Continued) **U001572232**

Operator Contact:	Karen Dardaine
Operator Contact Title:	Not reported
Operator Contact Phone:	760-736-3299
Operator Contact Phone Ext:	Not reported
Operator Contact Email:	karend@laprovenceinc.com
Operator Type:	Private Business
Developer:	Not reported
Developer Address:	Not reported
Developer City:	Not reported
Developer State:	California
Developer Zip:	Not reported
Developer Contact:	Not reported
Developer Contact Title:	Not reported
Constype Linear Utility Ind:	Not reported
Emergency Phone:	Not reported
Emergency Phone Ext:	Not reported
Constype Above Ground Ind:	Not reported
Constype Below Ground Ind:	Not reported
Constype Cable Line Ind:	Not reported
Constype Comm Line Ind:	Not reported
Constype Commertial Ind:	Not reported
Constype Electrical Line Ind:	Not reported
Constype Gas Line Ind:	Not reported
Constype Industrial Ind:	Not reported
Constype Other Description:	Not reported
Constype Other Ind:	Not reported
Constype Recons Ind:	Not reported
Constype Residential Ind:	Not reported
Constype Transport Ind:	Not reported
Constype Utility Description:	Not reported
Constype Utility Ind:	Not reported
Constype Water Sewer Ind:	Not reported
Dir Discharge Uswater Ind:	Not reported
Receiving Water Name:	Not reported
Certifier:	Karen Dardaine
Certifier Title:	Accounting
Certification Date:	12-SEP-16
Primary Sic:	2051-Bread and Other Bakery Products, Except Cookies and Crackers
Secondary Sic:	Not reported
Tertiary Sic:	Not reported
NPDES Number:	CAS000001
Status:	Active
Agency Number:	0
Region:	9
Regulatory Measure ID:	463973
Order Number:	97-03-DWQ
Regulatory Measure Type:	Enrollee
Place ID:	Not reported
WDID:	9 37NEC000980
Program Type:	Industrial
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	10/07/2015
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	La Provence Bakery
Discharge Address:	1370 W San Marcos Blvd Ste 130

THE SINGER CO/KEARFOTT DIVISIO (Continued) **U001572232**

Discharge City:	San Marcos
Discharge State:	California
Discharge Zip:	92078
Received Date:	Not reported
Processed Date:	Not reported
Status:	Not reported
Status Date:	Not reported
Place Size:	Not reported
Place Size Unit:	Not reported
Contact:	Not reported
Contact Title:	Not reported
Contact Phone:	Not reported
Contact Phone Ext:	Not reported
Contact Email:	Not reported
Operator Name:	Not reported
Operator Address:	Not reported
Operator City:	Not reported
Operator State:	Not reported
Operator Zip:	Not reported
Operator Contact:	Not reported
Operator Contact Title:	Not reported
Operator Contact Phone:	Not reported
Operator Contact Phone Ext:	Not reported
Operator Contact Email:	Not reported
Operator Type:	Not reported
Developer:	Not reported
Developer Address:	Not reported
Developer City:	Not reported
Developer State:	Not reported
Developer Zip:	Not reported
Developer Contact:	Not reported
Developer Contact Title:	Not reported
Constype Linear Utility Ind:	Not reported
Emergency Phone:	Not reported
Emergency Phone Ext:	Not reported
Constype Above Ground Ind:	Not reported
Constype Below Ground Ind:	Not reported
Constype Cable Line Ind:	Not reported
Constype Comm Line Ind:	Not reported
Constype Commertial Ind:	Not reported
Constype Electrical Line Ind:	Not reported
Constype Gas Line Ind:	Not reported
Constype Industrial Ind:	Not reported
Constype Other Description:	Not reported
Constype Other Ind:	Not reported
Constype Recons Ind:	Not reported
Constype Residential Ind:	Not reported
Constype Transport Ind:	Not reported
Constype Utility Description:	Not reported
Constype Utility Ind:	Not reported
Constype Water Sewer Ind:	Not reported
Dir Discharge Uswater Ind:	Not reported
Receiving Water Name:	Not reported
Certifier:	Not reported
Certifier Title:	Not reported
Certification Date:	Not reported
Primary Sic:	Not reported

THE SINGER CO/KEARFOTT DIVISIO (Continued) **U001572232**

Secondary Sic: Not reported
Tertiary Sic: Not reported

CIWQS:
Name: LA PROVENCE BAKERY
Address: 1370 W SAN MARCOS BLVD STE 130
City,State,Zip: SAN MARCOS, CA 92078
Agency: La Provence Bakery
Agency Address: 1370 W San Marcos Blvd Ste 130, San Marcos, CA 92078
Place/Project Type: Industrial - Bread and Other Bakery Products, Except Cookies and Crackers
SIC/NAICS: 2051
Region: 9
Program: INDSTW
Regulatory Measure Status: Active
Regulatory Measure Type: Storm water industrial
Order Number: 2014-0057-DWQ
WDID: 9 37NEC000980
NPDES Number: CAS000001
Adoption Date: Not reported
Effective Date: 10/07/2015
Termination Date: Not reported
Expiration/Review Date: Not reported
Design Flow: Not reported
Major/Minor: Not reported
Complexity: Not reported
TTWQ: Not reported
Enforcement Actions within 5 years: 0
Violations within 5 years: 0
Latitude: 33.132465
Longitude: -117.200434

CERS:
Name: LA PROVENCE BAKERY
Address: 1370 W SAN MARCOS BLVD STE 130
City,State,Zip: SAN MARCOS, CA 92078
Site ID: 535266
CERS ID: 840900
CERS Description: Industrial Facility Storm Water

Evaluation:
Eval General Type: Compliance Evaluation Inspection
Eval Date: 10-21-2015
Violations Found: No
Eval Type: Industrial Storm Water Compliance Evaluation
Eval Notes: Drive-by inspection performed by Cleo Munoz. No issues were found. Met NEC requirements.
Eval Division: Water Boards
Eval Program: INDSTW
Eval Source: SMARTS,

Affiliation:
Affiliation Type Desc: Owner/Operator
Entity Name: La Provence Bakery
Entity Title: Operator

THE SINGER CO/KEARFOTT DIVISIO (Continued) **U001572232**

Affiliation Address:	1370 W San Marcos Blvd Ste 130
Affiliation City:	San Marcos
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92078
Affiliation Phone:	,

Name:	BAE SYSTEMS IESI
Address:	1370 W SAN MARCOS BLVD
City,State,Zip:	SAN MARCOS, CA 920781601
Site ID:	606162
CERS ID:	CAD046589305
CERS Description:	Hazardous Waste

Affiliation:

Affiliation Type Desc:	Facility Contact
Entity Name:	JOHN LEFEBVRE
Entity Title:	Not reported
Affiliation Address:	PO BOX 868MER24-1K01
Affiliation City:	NASHUA
Affiliation State:	NH
Affiliation Country:	Not reported
Affiliation Zip:	030610868
Affiliation Phone:	6038850629,

Affiliation Type Desc:	Facility Owner
Entity Name:	BAE SYSTEMS IESI
Entity Title:	Not reported
Affiliation Address:	PO BOX 868MER24-1G43
Affiliation City:	NASHUA
Affiliation State:	NH
Affiliation Country:	Not reported
Affiliation Zip:	030610868
Affiliation Phone:	6038850629,

AJ195 **SINGER CO, KEARFOTT DIVISION** **ENVIROSTOR** **S104745776**
SW **1370 SAN MARCOS BLVD.** **CPS-SLIC** **N/A**
1/2-1 **SAN MARCOS, CA 92069** **ENF**
0.885 mi. **HIST CORTESE**
4672 ft. **Site 3 of 3 in cluster AJ** **CIWQS**
CERS

Relative:
Lower

Actual:
515 ft.

ENVIROSTOR:

Name:	BAE SYSTEMS AEROSPACE INC
Address:	1370 SAN MARCOS BLVD
City,State,Zip:	SAN MARCOS, CA 920690000
Facility ID:	80001395
Status:	Refer: RWQCB
Status Date:	01/01/2008
Site Code:	Not reported
Site Type:	Corrective Action
Site Type Detailed:	Corrective Action
Acres:	0
NPL:	NO
Regulatory Agencies:	RWQCB 9 - San Diego
Lead Agency:	RWQCB 9 - San Diego

SINGER CO, KEARFOTT DIVISION (Continued) **S104745776**

Program Manager: Not reported
Supervisor: * Unknown
Division Branch: Cleanup Cypress
Assembly: 75
Senate: 38
Special Program: Not reported
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: Not reported
Latitude: 33.13231
Longitude: -117.2004
APN: NONE SPECIFIED
Past Use: NONE SPECIFIED
Potential COC: NONE SPECIFIED
Confirmed COC: NONE SPECIFIED
Potential Description: NONE SPECIFIED
Alias Name: CAD046589305
Alias Type: EPA Identification Number
Alias Name: 80001395
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Interim Measures Questionnaire
Completed Date: 06/02/1992
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: RCRA Facility Assessment Report
Completed Date: 06/01/1989
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Consent Agreement
Completed Date: 12/20/1988
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Interim Measures Workplan
Completed Date: 12/20/1988
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Interim Measures Implementation Report
Completed Date: 09/01/1995
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Interim Measures Workplan
Completed Date: 12/20/1988
Comments: Not reported

SINGER CO, KEARFOTT DIVISION (Continued) **S104745776**

Completed Area Name: Sites With No Operable Unit
Completed Sub Area Name: SOILS
Completed Document Type: RFI Report
Completed Date: 12/20/1995
Comments: RFI APPROVAL IS FOR SOILS ONLY. GW INVESTIGATIONS STILL ONGOING, BUT ALMOST COMPLETE AS OF 12/15/97 ANALOGOUS REVIEW. RSARACINO 19971215.13:51S

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Groundwater Migration Controlled
Completed Date: 02/21/2012
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Human Exposure Controlled
Completed Date: 12/15/1997
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedy Construction Complete
Completed Date: 02/21/2012
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Groundwater Migration Controlled
Completed Date: 12/15/1997
Comments: Not reported

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

Name: SINGER CO, KEARFOTT DIVISION
Address: 1370 SAN MARCOS BLVD.
City,State,Zip: SAN MARCOS, CA 92069
Facility ID: 37370110
Status: Refer: RCRA
Status Date: 05/16/1995
Site Code: 400357
Site Type: Historical
Site Type Detailed: * Historical
Acres: Not reported
NPL: NO
Regulatory Agencies: NONE SPECIFIED
Lead Agency: NONE SPECIFIED
Program Manager: Not reported
Supervisor: Referred - Not Assigned

SINGER CO, KEARFOTT DIVISION (Continued) **S104745776**

Division Branch: Cleanup Cypress
Assembly: 75
Senate: 38
Special Program: Not reported
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: Not reported
Latitude: 33.13251
Longitude: -117.2003
APN: NONE SPECIFIED
Past Use: NONE SPECIFIED
Potential COC: * HALOGENATED SOLVENTS * LIQUIDS WITH PH <= 2 * Metals - Sludge * ORGANIC LIQUIDS WITH METALS * OXYGENATED SOLVENTS * AQUEOUS SOLUTION WITH METALS * CONTAMINATED SOIL * ACID SOLUTION 2>PH WITH METALS * UNSPECIFIED ALKALINE SOLUTIONS * UNSPECIFIED SLUDGE WASTE * UNSPECIFIED SOLVENT MIXTURES * WASTE OIL & MIXED OIL * EMPTY CONTAINERS, LESS THAN 30 GALLONS * OTHER PESTICIDE CONTAINERS, 30 GALLONS OR MORE * UNSPECIFIED ORGANIC LIQUID MIXTURE Chromium VI
Confirmed COC: NONE SPECIFIED
Potential Description: NONE SPECIFIED
Alias Name: GEC MARCONI ELECTRONIC SYSTEMS
Alias Type: Alternate Name
Alias Name: GENERAL PRECISION
Alias Type: Alternate Name
Alias Name: PLESSEY ELECTRONIC SYSTEMS CORP
Alias Type: Alternate Name
Alias Name: SINGER ELECTRONIC SYSTEMS
Alias Type: Alternate Name
Alias Name: CAD046589305
Alias Type: EPA Identification Number
Alias Name: CAD982360315
Alias Type: EPA Identification Number
Alias Name: 400357
Alias Type: Project Code (Site Code)
Alias Name: 37370110
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Screening
Completed Date: 06/22/1989
Comments: PERMIT(OTHER) RCRA TSD PERMIT STATUS 1: PERMIT CANDIDATE SITE SCREENING DONE RATIONALE FOR REFERRED STATUS: TSD FACILITY

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Screening
Completed Date: 06/09/1987
Comments: SITE SCREENING DONE SITE HAD LEAKING U/G TANK, GWATER CONTM WITH CU, CR, AND SOLVENTS. STATUS OF SITE UNKNOWN

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: * Discovery
Completed Date: 01/01/1983
Comments: FACILITY IDENTIFIED ID VIA 68 NORTH COUNTY PHONE BOOK

SINGER CO, KEARFOTT DIVISION (Continued) **S104745776**

Future Area Name:	Not reported
Future Sub Area Name:	Not reported
Future Document Type:	Not reported
Future Due Date:	Not reported
Schedule Area Name:	Not reported
Schedule Sub Area Name:	Not reported
Schedule Document Type:	Not reported
Schedule Due Date:	Not reported
Schedule Revised Date:	Not reported

CPS-SLIC:

Name:	BAE SYSTEMS (FORMER GEC MARCONI, SINGER COMPANY)
Address:	1370 SAN MARCOS BLVD
City,State,Zip:	SAN MARCOS, CA 92069
Region:	STATE
Facility Status:	**Completed - Case Closed**
Status Date:	09/08/2015
Global Id:	T0607302845
Lead Agency:	SAN DIEGO RWQCB (REGION 9)
Lead Agency Case Number:	H03743-001
Latitude:	33.1331669372679
Longitude:	-117.200206518173
Case Type:	Cleanup Program Site
Case Worker:	CQC
Local Agency:	Not reported
RB Case Number:	2090015
File Location:	Regional Board
Potential Media Affected:	Indoor Air, Other Groundwater (uses other than drinking water), Soil, Soil Vapor, Surface water
Potential Contaminants of Concern:	Other Acid or Corrosive, * Solvents, 1,1,1-Trichloroethane (TCA), Benzene, Tetrachloroethylene (PCE), Toluene, Trichloroethylene (TCE), Vinyl chloride, Freon, * Metals, Copper
Site History:	Background -in-situ reactive zone: chemical injection to promote enhanced reductive dechlorination -July 05- Pilot test: carbon amendment solution (molasses, corn syrup, emulsified oil) and bioaugmentation -Oct 06- full-scale IRZ implemented Cleanup and Abatement Order No. 88-89 and Addendum No. 1; November 2, 2005 -soil cleanup achieved -remedial action plan received 5/3/04 -establishes revised cleanup levels protective of San Marcos creek and building occupants, addresses additional chemicals -directives to meet cleanup levels, implement RAP (schedule to be established in subsequent CAO amendment) -directive for verification quarterly GWM for >=1 year, final closure report, decommission wells

Click here to access the California GeoTracker records for this facility:

ENF:

Name:	BAE SYSTEMS AEROSPACE INC
Address:	1370 SAN MARCOS BOULEVARD
City,State,Zip:	SAN MARCOS, CA
Region:	9
Facility Id:	208521
Agency Name:	BAE Systems
Place Type:	Facility
Place Subtype:	Not reported
Facility Type:	All other facilities

SINGER CO, KEARFOTT DIVISION (Continued) **S104745776**

Agency Type:	Privately-Owned Business
# Of Agencies:	1
Place Latitude:	Not reported
Place Longitude:	Not reported
SIC Code 1:	5541
SIC Desc 1:	Gasoline Service Stations
SIC Code 2:	Not reported
SIC Desc 2:	Not reported
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	Not reported
NAICS Desc 1:	Not reported
NAICS Code 2:	Not reported
NAICS Desc 2:	Not reported
NAICS Code 3:	Not reported
NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Reg Meas
Design Flow:	0.4
Threat To Water Quality:	3
Complexity:	A
Pretreatment:	N - POTW does not have EPA approved pretreatment prog.
Facility Waste Type:	Miscellaneous
Facility Waste Type 2:	Not reported
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	NPDNONMUNIPRCS
Program Category1:	NPDESWW
Program Category2:	NPDESWW
# Of Programs:	1
WDID:	9 000000681
Reg Measure Id:	213896
Reg Measure Type:	Enrollee
Region:	9
Order #:	01-096
Npdes# CA#:	CAG919002
Major-Minor:	Not reported
Npdes Type:	Not reported
Reclamation:	N - No
Dredge Fill Fee:	Not reported
301H:	Not reported
Application Fee Amt Received:	Not reported
Status:	Historical
Status Date:	07/20/1995
Effective Date:	07/20/1995
Expiration/Review Date:	Not reported
Termination Date:	04/13/2004
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	Y
Individual/General:	I
Fee Code:	Not reported
Direction/Voice:	Passive

SINGER CO, KEARFOTT DIVISION (Continued) **S104745776**

Enforcement Id(EID):	233299
Region:	9
Order / Resolution Number:	UNKNOWN
Enforcement Action Type:	Staff Enforcement Letter
Effective Date:	12/21/1999
Adoption/Issuance Date:	Not reported
Achieve Date:	Not reported
Termination Date:	12/21/1999
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Historical
Title:	Enforcement - 9 000000681
Description:	Failure to pay annual fee.
Program:	NPDNONMUNIPRCS
Latest Milestone Completion Date:	Not reported
# Of Programs1:	1
Total Assessment Amount:	0
Initial Assessed Amount:	0
Liability $ Amount:	0
Project $ Amount:	0
Liability $ Paid:	0
Project $ Completed:	0
Total $ Paid/Completed Amount:	0

HIST CORTESE:

edr_fname:	GEC MARCONI ELECTRONIC SY
edr_fadd1:	1370 SAN MARCOS
City,State,Zip:	SAN MARCOS, CA 92069
Region:	CORTESE
Facility County Code:	37
Reg By:	WBC&D
Reg Id:	9 000080N94

edr_fname:	THE SINGER COMPANY
edr_fadd1:	1370 SAN MARCOS
City,State,Zip:	SAN MARCOS, CA 92069
Region:	CORTESE
Facility County Code:	37
Reg By:	LTNKA
Reg Id:	9UT556

CIWQS:

Name:	BAE SYSTEMS AEROSPACE INC
Address:	1370 SAN MARCOS BOULEVARD
City,State,Zip:	SAN MARCOS, CA
Agency:	BAE Systems
Agency Address:	Po Box 868 Mer 12-1506, Nashua, NH 03061-0868
Place/Project Type:	Other
SIC/NAICS:	5541
Region:	9
Program:	NPDNONMUNIPRCS
Regulatory Measure Status:	Historical
Regulatory Measure Type:	Enrollee
Order Number:	01-096
WDID:	9 000000681
NPDES Number:	CAG919002

SINGER CO, KEARFOTT DIVISION (Continued) **S104745776**

Adoption Date:	Not reported
Effective Date:	07/20/1995
Termination Date:	04/13/2004
Expiration/Review Date:	Not reported
Design Flow:	0.4
Major/Minor:	Not reported
Complexity:	A
TTWQ:	3
Enforcement Actions within 5 years:	0
Violations within 5 years:	0
Latitude:	Not reported
Longitude:	Not reported

CERS:

Name:	BAE SYSTEMS (FORMER GEC MARCONI, SINGER COMPANY)
Address:	1370 SAN MARCOS BLVD
City,State,Zip:	SAN MARCOS, CA 92069
Site ID:	251073
CERS ID:	T0607302845
CERS Description:	Cleanup Program Site

Affiliation:

Affiliation Type Desc:	Regional Board Caseworker
Entity Name:	CHARLES Q. CHENG - SAN DIEGO RWQCB (REGION 9)
Entity Title:	Not reported
Affiliation Address:	2375 NORTHSIDE DRIVE, SUITE 100
Affiliation City:	SAN DIEGO
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	6195213359,

196
East
1/2-1
0.898 mi.
4744 ft.

Relative:
Higher

Actual:
570 ft.

SAN MARCOS ACADEMY ADDITION **ENVIROSTOR** **S103241386**
300 W. SAN MARCOS BOULEVARD **SCH** **N/A**
SAN MARCOS, CA 92069 **San Diego Co. HMMD**
HAZNET
CERS
HWTS

ENVIROSTOR:

Name:	SAN MARCOS ELEMENTARY SCHOOL
Address:	300 W. SAN MARCOS BLVD.
City,State,Zip:	SAN MARCOS, CA 92069
Facility ID:	60000126
Status:	No Further Action
Status Date:	07/09/2009
Site Code:	404626
Site Type:	School Investigation
Site Type Detailed:	School
Acres:	12.85
NPL:	NO
Regulatory Agencies:	SMBRP
Lead Agency:	SMBRP
Program Manager:	Not reported
Supervisor:	Shahir Haddad
Division Branch:	Southern California Schools & Brownfields Outreach
Assembly:	75

SAN MARCOS ACADEMY ADDITION (Continued) **S103241386**

Senate: 38
Special Program: Not reported
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: School District
Latitude: 33.1402
Longitude: -117.168
APN: 220-150-11, 220-150-15, 220-150-21, 220-150-24, 220-150-26
Past Use: RESIDENTIAL AREA, SCHOOL - ELEMENTARY
Potential COC: Under Investigation
Confirmed COC: 31001-NO
Potential Description: UE
Alias Name: SAN MARCOS USD-SAN MARCOS ELEM SCHOOL
Alias Type: Alternate Name
Alias Name: San Marcos Academy Addition
Alias Type: Alternate Name
Alias Name: 220-150-11
Alias Type: APN
Alias Name: 220-150-15
Alias Type: APN
Alias Name: 220-150-21
Alias Type: APN
Alias Name: 220-150-24
Alias Type: APN
Alias Name: 220-150-26
Alias Type: APN
Alias Name: 404193-11
Alias Type: Former Project ID
Alias Name: 404348-11
Alias Type: Former Project ID
Alias Name: 404626
Alias Type: Project Code (Site Code)
Alias Name: 60000126
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Environmental Oversight Agreement
Completed Date: 05/22/2002
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Cost Recovery Closeout Memo
Completed Date: 01/10/2003
Comments: DTSC prepared project close out Cost Recovery Unit memo

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Cost Recovery Closeout Memo
Completed Date: 06/05/2003
Comments: DTSC prepared project close out Cost Recovery Unit memorandum

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Cost Recovery Closeout Memo
Completed Date: 07/09/2009

SAN MARCOS ACADEMY ADDITION (Continued) **S103241386**

Comments: DTSC prepared a project close out Cost Recovery memo

Completed Area Name: Public park
Completed Sub Area Name: Not reported
Completed Document Type: Phase 1
Completed Date: 07/27/2005
Comments: DTSC issued no Action determination based on a Phase I report

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Phase 1 Addendum
Completed Date: 07/08/2009
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Phase 1
Completed Date: 08/14/2001
Comments: DTSC determined that further action was required based on review of the Phase I

Completed Area Name: Former residential areas
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Report
Completed Date: 01/06/2003
Comments: DTSC approved the PEA with a No Further Action determination

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Cost Recovery Closeout Memo
Completed Date: 07/29/2005
Comments: Not reported

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

Name: SAN MARCOS ACADEMY ADDITION
Address: 300 W. SAN MARCOS BOULEVARD
City,State,Zip: SAN MARCOS, CA 92069
Facility ID: 37650004
Status: No Further Action
Status Date: 01/06/2003
Site Code: 404348
Site Type: School Investigation
Site Type Detailed: School
Acres: 2.18
NPL: NO
Regulatory Agencies: DTSC
Lead Agency: DTSC
Program Manager: Not reported

SAN MARCOS ACADEMY ADDITION (Continued) **S103241386**

Supervisor: Shahir Haddad
Division Branch: Southern California Schools & Brownfields Outreach
Assembly: 75
Senate: 38
Special Program: Not reported
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: School District
Latitude: 33.13992
Longitude: -117.1684
APN: NONE SPECIFIED
Past Use: RESIDENTIAL AREA
Potential COC: Lead
Confirmed COC: 30013-NO No Contaminants found
Potential Description: NMA
Alias Name: SAN MARCOS ACADEMY ADDITION
Alias Type: Alternate Name
Alias Name: SAN MARCOS UNIFIED SCHOOL DISTRICT
Alias Type: Alternate Name
Alias Name: SAN MARCOS USD- SAN MARCOS ACADEMY ADD02
Alias Type: Alternate Name
Alias Name: SAN MARCOS USD-SAN MARCOS ACADEMY ADDITI
Alias Type: Alternate Name
Alias Name: 404193
Alias Type: Project Code (Site Code)
Alias Name: 404348
Alias Type: Project Code (Site Code)
Alias Name: 37650004
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Inspections/Visit (Non LUR)
Completed Date: 07/16/2001
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Environmental Oversight Agreement
Completed Date: 05/22/2002
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Cost Recovery Closeout Memo
Completed Date: 01/10/2003
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Report
Completed Date: 01/06/2003
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Phase 1

SAN MARCOS ACADEMY ADDITION (Continued) **S103241386**

Completed Date:	08/14/2001
Comments:	Not reported
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Cost Recovery Closeout Memo
Completed Date:	06/05/2003
Comments:	Not reported
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	* Public Participation
Completed Date:	10/28/2002
Comments:	Not reported
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Cost Recovery Closeout Memo
Completed Date:	08/14/2001
Comments:	Not reported
Future Area Name:	Not reported
Future Sub Area Name:	Not reported
Future Document Type:	Not reported
Future Due Date:	Not reported
Schedule Area Name:	Not reported
Schedule Sub Area Name:	Not reported
Schedule Document Type:	Not reported
Schedule Due Date:	Not reported
Schedule Revised Date:	Not reported

SCH:

Name:	SAN MARCOS ELEMENTARY SCHOOL
Address:	300 W. SAN MARCOS BLVD.
City,State,Zip:	SAN MARCOS, CA 92069
Facility ID:	60000126
Site Type:	School Investigation
Site Type Detail:	School
Site Mgmt. Req.:	NONE SPECIFIED
Acres:	12.85
National Priorities List:	NO
Cleanup Oversight Agencies:	SMBRP
Lead Agency:	SMBRP
Lead Agency Description:	DTSC - Site Cleanup Program
Project Manager:	Not reported
Supervisor:	Shahir Haddad
Division Branch:	Southern California Schools & Brownfields Outreach
Site Code:	404626
Assembly:	75
Senate:	38
Special Program Status:	Not reported
Status:	No Further Action
Status Date:	07/09/2009
Restricted Use:	NO
Funding:	School District
Latitude:	33.1402

SAN MARCOS ACADEMY ADDITION (Continued) **S103241386**

Longitude:	-117.168
APN:	220-150-11, 220-150-15, 220-150-21, 220-150-24, 220-150-26
Past Use:	RESIDENTIAL AREA, SCHOOL - ELEMENTARY
Potential COC:	Under Investigation
Confirmed COC:	31001-NO
Potential Description:	UE
Alias Name:	SAN MARCOS USD-SAN MARCOS ELEM SCHOOL
Alias Type:	Alternate Name
Alias Name:	San Marcos Academy Addition
Alias Type:	Alternate Name
Alias Name:	220-150-11
Alias Type:	APN
Alias Name:	220-150-15
Alias Type:	APN
Alias Name:	220-150-21
Alias Type:	APN
Alias Name:	220-150-24
Alias Type:	APN
Alias Name:	220-150-26
Alias Type:	APN
Alias Name:	404193-11
Alias Type:	Former Project ID
Alias Name:	404348-11
Alias Type:	Former Project ID
Alias Name:	404626
Alias Type:	Project Code (Site Code)
Alias Name:	60000126
Alias Type:	Envirostor ID Number

Completed Info:

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Environmental Oversight Agreement
Completed Date:	05/22/2002
Comments:	Not reported
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Cost Recovery Closeout Memo
Completed Date:	01/10/2003
Comments:	DTSC prepared project close out Cost Recovery Unit memo
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Cost Recovery Closeout Memo
Completed Date:	06/05/2003
Comments:	DTSC prepared project close out Cost Recovery Unit memorandum
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Cost Recovery Closeout Memo
Completed Date:	07/09/2009
Comments:	DTSC prepared a project close out Cost Recovery memo
Completed Area Name:	Public park
Completed Sub Area Name:	Not reported
Completed Document Type:	Phase 1
Completed Date:	07/27/2005

SAN MARCOS ACADEMY ADDITION (Continued) **S103241386**

Comments:	DTSC issued no Action determination based on a Phase I report
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Phase 1 Addendum
Completed Date:	07/08/2009
Comments:	Not reported
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Phase 1
Completed Date:	08/14/2001
Comments:	DTSC determined that further action was required based on review of the Phase I
Completed Area Name:	Former residential areas
Completed Sub Area Name:	Not reported
Completed Document Type:	Preliminary Endangerment Assessment Report
Completed Date:	01/06/2003
Comments:	DTSC approved the PEA with a No Further Action determination
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Cost Recovery Closeout Memo
Completed Date:	07/29/2005
Comments:	Not reported
Future Area Name:	Not reported
Future Sub Area Name:	Not reported
Future Document Type:	Not reported
Future Due Date:	Not reported
Schedule Area Name:	Not reported
Schedule Sub Area Name:	Not reported
Schedule Document Type:	Not reported
Schedule Due Date:	Not reported
Schedule Revised Date:	Not reported
Name:	SAN MARCOS ACADEMY ADDITION
Address:	300 W. SAN MARCOS BOULEVARD
City,State,Zip:	SAN MARCOS, CA 92069
Facility ID:	37650004
Site Type:	School Investigation
Site Type Detail:	School
Site Mgmt. Req.:	NONE SPECIFIED
Acres:	2.18
National Priorities List:	NO
Cleanup Oversight Agencies:	DTSC
Lead Agency:	DTSC
Lead Agency Description:	* DTSC
Project Manager:	Not reported
Supervisor:	Shahir Haddad
Division Branch:	Southern California Schools & Brownfields Outreach
Site Code:	404348
Assembly:	75
Senate:	38
Special Program Status:	Not reported

SAN MARCOS ACADEMY ADDITION (Continued) **S103241386**

Status:	No Further Action
Status Date:	01/06/2003
Restricted Use:	NO
Funding:	School District
Latitude:	33.13992
Longitude:	-117.1684
APN:	NONE SPECIFIED
Past Use:	RESIDENTIAL AREA
Potential COC:	Lead
Confirmed COC:	30013-NO, No Contaminants found
Potential Description:	NMA
Alias Name:	SAN MARCOS ACADEMY ADDITION
Alias Type:	Alternate Name
Alias Name:	SAN MARCOS UNIFIED SCHOOL DISTRICT
Alias Type:	Alternate Name
Alias Name:	SAN MARCOS USD- SAN MARCOS ACADEMY ADD02
Alias Type:	Alternate Name
Alias Name:	SAN MARCOS USD-SAN MARCOS ACADEMY ADDITI
Alias Type:	Alternate Name
Alias Name:	404193
Alias Type:	Project Code (Site Code)
Alias Name:	404348
Alias Type:	Project Code (Site Code)
Alias Name:	37650004
Alias Type:	Envirostor ID Number

Completed Info:

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Site Inspections/Visit (Non LUR)
Completed Date:	07/16/2001
Comments:	Not reported
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Environmental Oversight Agreement
Completed Date:	05/22/2002
Comments:	Not reported
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Cost Recovery Closeout Memo
Completed Date:	01/10/2003
Comments:	Not reported
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Preliminary Endangerment Assessment Report
Completed Date:	01/06/2003
Comments:	Not reported
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Phase 1
Completed Date:	08/14/2001
Comments:	Not reported
Completed Area Name:	PROJECT WIDE

SAN MARCOS ACADEMY ADDITION (Continued) **S103241386**

Completed Sub Area Name: Not reported
Completed Document Type: Cost Recovery Closeout Memo
Completed Date: 06/05/2003
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: * Public Participation
Completed Date: 10/28/2002
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Cost Recovery Closeout Memo
Completed Date: 08/14/2001
Comments: Not reported

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

HMMD SAN DIEGO:
Name: SAN MARCOS ELEMENTARY
Address: 300 W SAN MARCOS BL
City,State,Zip: SAN MARCOS, CA 92078
Permit Number: 153418
Business Type: 6HK10
EPA Id Number: Not reported
APN: 220-150-20-00
Last HMMD Inspection: 04/28/2004
Facility Telephone: 760-752-1241
Permit Status: INAC
Permit Expiration: 05/31/2005
Date Last Updated: 11/02/2012
Facility Owner: SAN MARCOS UNIFIED SCHOOL DIST
Facility Mailing Address: 1 CIVIC CENTER DR #300
Facility Mailing City: SAN MARCOS
Facility Mailing State: CA
Facility Mailing Zip: 92069-
UST Owner: Not reported
Handle Regulated Hazmat: Not reported
Own Or Operate UST: Not reported
Subject To APSA: Not reported
Generate Haz Waste: Not reported
Treat Haz Waste: Not reported
Generate Medical Waste: Not reported

HAZNET:
Name: SAN MARCOS UNIFIED SCHOOL DIST
Address: 300 W SAN MARCOS BLVD

SAN MARCOS ACADEMY ADDITION (Continued) **S103241386**

Address 2:	Not reported
City,State,Zip:	SAN MARCOS, CA 920692718
Contact:	JAMES POLTL
Telephone:	7602902641
Mailing Name:	Not reported
Mailing Address:	255 PICO AVE STE 250
Year:	2009
Gepaid:	CAL000038863
TSD EPA ID:	NVT330010000
CA Waste Code:	352 - Other organic solids
Disposal Method:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Tons:	0.75
Year:	2001
Gepaid:	CAL000038863
TSD EPA ID:	AZC950823111
CA Waste Code:	151 - Asbestos containing waste
Disposal Method:	D80 - Disposal, Land Fill
Tons:	0.8428
Year:	2000
Gepaid:	CAL000038863
TSD EPA ID:	CAD009007626
CA Waste Code:	151 - Asbestos containing waste
Disposal Method:	D80 - Disposal, Land Fill
Tons:	1.0113

Additional Info:

Year:	2009
Gen EPA ID:	CAL000038863
Shipment Date:	20090513
Creation Date:	9/9/2009 18:30:22
Receipt Date:	20090520
Manifest ID:	004226257JJK
Trans EPA ID:	CAR000159277
Trans Name:	GEN TEC SOLUTIONS INC
Trans 2 EPA ID:	CAD981412356
Trans 2 Name:	PACIFIC TRANS ENVIRONMENTAL SERVICES
TSDF EPA ID:	NVT330010000
Trans Name:	US ECOLOGY
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	0.75
Waste Quantity:	1500
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported

SAN MARCOS ACADEMY ADDITION (Continued) **S103241386**

Additional Code 5:	Not reported

Additional Info:

Year:	2001
Gen EPA ID:	CAL000038863
Shipment Date:	20010828
Creation Date:	10/23/2001 0:00:00
Receipt Date:	20010907
Manifest ID:	20123294
Trans EPA ID:	CAR000034504
Trans Name:	Not reported
Trans 2 EPA ID:	CAR000049064
Trans 2 Name:	Not reported
TSDF EPA ID:	AZC950823111
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	151 - Asbestos-containing waste
RCRA Code:	Not reported
Meth Code:	D80 - Disposal, Land Fill
Quantity Tons:	0.8428
Waste Quantity:	1
Quantity Unit:	Y
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2000
Gen EPA ID:	CAL000038863
Shipment Date:	20001229
Creation Date:	3/22/2001 0:00:00
Receipt Date:	20010108
Manifest ID:	20123230
Trans EPA ID:	CAR000034504
Trans Name:	Not reported
Trans 2 EPA ID:	CAR000049064
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD009007626
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD009007626
TSDF Alt Name:	Not reported
Waste Code Description:	151 - Asbestos-containing waste
RCRA Code:	Not reported
Meth Code:	D80 - Disposal, Land Fill
Quantity Tons:	1.0113
Waste Quantity:	1.2
Quantity Unit:	Y
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported

SAN MARCOS ACADEMY ADDITION (Continued) **S103241386**

Additional Code 5: Not reported

CERS:
Name: SAN MARCOS ELEMENTAR
Address: 300 W. SAN MARCOS BLVD.
City,State,Zip: SAN MARCOS, CA 92069
Site ID: 609959
CERS ID: 60000126
CERS Description: School Investigation

Affiliation:
Affiliation Type Desc: Supervisor
Entity Name: Shahir Haddad
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Name: SAN MARCOS ACADEMY A
Address: 300 W. SAN MARCOS BOULEVARD
City,State,Zip: SAN MARCOS, CA 92069
Site ID: 609957
CERS ID: 37650004
CERS Description: School Investigation

Affiliation:
Affiliation Type Desc: Supervisor
Entity Name: Shahir Haddad
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

HWTS:
Name: SAN MARCOS UNIFIED SCHOOL DIST
Address: 300 W SAN MARCOS BLVD
Address 2: Not reported
City,State,Zip: SAN MARCOS, CA 92069
EPA ID: CAL000038863
Inactive Date: 06/30/2011
Create Date: 08/01/1990
Last Act Date: Not reported
Mailing Name: Not reported
Mailing Address: 255 PICO AVE STE 250
Mailing Address 2: Not reported
Mailing City,State,Zip: SAN MARCOS, CA 920693712
Owner Name: SAN MARCOS UNIFIED SCHOOL DIST
Owner Address: 255 PICO AVE STE 250
Owner Address 2: Not reported

SAN MARCOS ACADEMY ADDITION (Continued) **S103241386**

Owner City,State,Zip:	SAN MARCOS, CA 920693712
Contact Name:	JAMES POLTL
Contact Address:	250 PICO AVE STE 250
Contact Address 2:	Not reported
City,State,Zip:	SAN MARCOS, CA 920692702
Facility Status:	Inactive
Facility Type:	PERMANENT
Category:	STATE
Latitude:	33.1398
Longitude:	-117.16963

Count: 3 records. ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
SAN MARCOS	S106797672	EVANS DEDICATED SYSTEMS	HIGHWAY 78 AND SAN MARCOS BLVD	92069	ENVIROSTOR
SAN MARCOS	S127030217	AT&T CALIFORNIA - DBV06	2242 GRAND AVE	92078	San Diego Co. HMMD
SAN MARCOS	S108407262	SUNNY FRESH CLEANERS #16	SAN MARCOS BL	92069	SAN DIEGO CO. SAM

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

To maintain currency of the following federal and state databases, EDR contacts the appropriate governmental agency on a monthly or quarterly basis, as required.

Number of Days to Update: Provides confirmation that EDR is reporting records that have been updated within 90 days from the date the government agency made the information available to the public.

STANDARD ENVIRONMENTAL RECORDS

Lists of Federal NPL (Superfund) sites

NPL: National Priority List

National Priorities List (Superfund). The NPL is a subset of CERCLIS and identifies over 1,200 sites for priority cleanup under the Superfund Program. NPL sites may encompass relatively large areas. As such, EDR provides polygon coverage for over 1,000 NPL site boundaries produced by EPA's Environmental Photographic Interpretation Center (EPIC) and regional EPA offices.

Date of Government Version: 07/26/2022
Date Data Arrived at EDR: 08/02/2022
Date Made Active in Reports: 08/22/2022
Number of Days to Update: 20

Source: EPA
Telephone: N/A
Last EDR Contact: 10/05/2022
Next Scheduled EDR Contact: 01/09/2023
Data Release Frequency: Quarterly

NPL Site Boundaries

Sources:

EPA's Environmental Photographic Interpretation Center (EPIC)
Telephone: 202-564-7333

EPA Region 1
Telephone 617-918-1143

EPA Region 6
Telephone: 214-655-6659

EPA Region 3
Telephone 215-814-5418

EPA Region 7
Telephone: 913-551-7247

EPA Region 4
Telephone 404-562-8033

EPA Region 8
Telephone: 303-312-6774

EPA Region 5
Telephone 312-886-6686

EPA Region 9
Telephone: 415-947-4246

EPA Region 10
Telephone 206-553-8665

Proposed NPL: Proposed National Priority List Sites

A site that has been proposed for listing on the National Priorities List through the issuance of a proposed rule in the Federal Register. EPA then accepts public comments on the site, responds to the comments, and places on the NPL those sites that continue to meet the requirements for listing.

Date of Government Version: 07/26/2022
Date Data Arrived at EDR: 08/02/2022
Date Made Active in Reports: 08/22/2022
Number of Days to Update: 20

Source: EPA
Telephone: N/A
Last EDR Contact: 10/05/2022
Next Scheduled EDR Contact: 01/09/2023
Data Release Frequency: Quarterly

NPL LIENS: Federal Superfund Liens

Federal Superfund Liens. Under the authority granted the USEPA by CERCLA of 1980, the USEPA has the authority to file liens against real property in order to recover remedial action expenditures or when the property owner received notification of potential liability. USEPA compiles a listing of filed notices of Superfund Liens.

Date of Government Version: 10/15/1991
Date Data Arrived at EDR: 02/02/1994
Date Made Active in Reports: 03/30/1994
Number of Days to Update: 56

Source: EPA
Telephone: 202-564-4267
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: No Update Planned

Lists of Federal Delisted NPL sites

Delisted NPL: National Priority List Deletions

The National Oil and Hazardous Substances Pollution Contingency Plan (NCP) establishes the criteria that the EPA uses to delete sites from the NPL. In accordance with 40 CFR 300.425.(e), sites may be deleted from the NPL where no further response is appropriate.

Date of Government Version: 07/26/2022
Date Data Arrived at EDR: 08/02/2022
Date Made Active in Reports: 08/22/2022
Number of Days to Update: 20

Source: EPA
Telephone: N/A
Last EDR Contact: 10/05/2022
Next Scheduled EDR Contact: 01/09/2023
Data Release Frequency: Quarterly

Lists of Federal sites subject to CERCLA removals and CERCLA orders

FEDERAL FACILITY: Federal Facility Site Information listing

A listing of National Priority List (NPL) and Base Realignment and Closure (BRAC) sites found in the Comprehensive Environmental Response, Compensation and Liability Information System (CERCLIS) Database where EPA Federal Facilities Restoration and Reuse Office is involved in cleanup activities.

Date of Government Version: 05/25/2021
Date Data Arrived at EDR: 06/24/2021
Date Made Active in Reports: 09/20/2021
Number of Days to Update: 88

Source: Environmental Protection Agency
Telephone: 703-603-8704
Last EDR Contact: 09/06/2022
Next Scheduled EDR Contact: 01/10/2023
Data Release Frequency: Varies

SEMS: Superfund Enterprise Management System

SEMS (Superfund Enterprise Management System) tracks hazardous waste sites, potentially hazardous waste sites, and remedial activities performed in support of EPA's Superfund Program across the United States. The list was formerly know as CERCLIS, renamed to SEMS by the EPA in 2015. The list contains data on potentially hazardous waste sites that have been reported to the USEPA by states, municipalities, private companies and private persons, pursuant to Section 103 of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). This dataset also contains sites which are either proposed to or on the National Priorities List (NPL) and the sites which are in the screening and assessment phase for possible inclusion on the NPL.

Date of Government Version: 07/26/2022
Date Data Arrived at EDR: 08/02/2022
Date Made Active in Reports: 08/22/2022
Number of Days to Update: 20

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 10/05/2022
Next Scheduled EDR Contact: 01/23/2023
Data Release Frequency: Quarterly

Lists of Federal CERCLA sites with NFRAP

SEMS-ARCHIVE: Superfund Enterprise Management System Archive

SEMS-ARCHIVE (Superfund Enterprise Management System Archive) tracks sites that have no further interest under the Federal Superfund Program based on available information. The list was formerly known as the CERCLIS-NFRAP, renamed to SEMS ARCHIVE by the EPA in 2015. EPA may perform a minimal level of assessment work at a site while it is archived if site conditions change and/or new information becomes available. Archived sites have been removed and archived from the inventory of SEMS sites. Archived status indicates that, to the best of EPA's knowledge, assessment at a site has been completed and that EPA has determined no further steps will be taken to list the site on the National Priorities List (NPL), unless information indicates this decision was not appropriate or other considerations require a recommendation for listing at a later time. The decision does not necessarily mean that there is no hazard associated with a given site; it only means that. based upon available information, the location is not judged to be potential NPL site.

Date of Government Version: 07/26/2022
Date Data Arrived at EDR: 08/02/2022
Date Made Active in Reports: 08/22/2022
Number of Days to Update: 20

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 10/05/2022
Next Scheduled EDR Contact: 01/23/2023
Data Release Frequency: Quarterly

Lists of Federal RCRA facilities undergoing Corrective Action

CORRACTS: Corrective Action Report

CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 06/20/2022
Date Data Arrived at EDR: 06/21/2022
Date Made Active in Reports: 06/28/2022
Number of Days to Update: 7

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 09/19/2022
Next Scheduled EDR Contact: 01/02/2023
Data Release Frequency: Quarterly

Lists of Federal RCRA TSD facilities

RCRA-TSDF: RCRA - Treatment, Storage and Disposal

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Transporters are individuals or entities that move hazardous waste from the generator offsite to a facility that can recycle, treat, store, or dispose of the waste. TSDFs treat, store, or dispose of the waste.

Date of Government Version: 06/20/2022
Date Data Arrived at EDR: 06/21/2022
Date Made Active in Reports: 06/28/2022
Number of Days to Update: 7

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 09/19/2022
Next Scheduled EDR Contact: 01/02/2023
Data Release Frequency: Quarterly

Lists of Federal RCRA generators

RCRA-LQG: RCRA - Large Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Large quantity generators (LQGs) generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month.

Date of Government Version: 06/20/2022
Date Data Arrived at EDR: 06/21/2022
Date Made Active in Reports: 06/28/2022
Number of Days to Update: 7

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 09/19/2022
Next Scheduled EDR Contact: 01/02/2023
Data Release Frequency: Quarterly

RCRA-SQG: RCRA - Small Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month.

Date of Government Version: 06/20/2022
Date Data Arrived at EDR: 06/21/2022
Date Made Active in Reports: 06/28/2022
Number of Days to Update: 7

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 09/19/2022
Next Scheduled EDR Contact: 01/02/2023
Data Release Frequency: Quarterly

RCRA-VSQG: RCRA - Very Small Quantity Generators (Formerly Conditionally Exempt Small Quantity Generators)

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Very small quantity generators (VSQGs) generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month.

Date of Government Version: 06/20/2022
Date Data Arrived at EDR: 06/21/2022
Date Made Active in Reports: 06/28/2022
Number of Days to Update: 7

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 09/19/2022
Next Scheduled EDR Contact: 01/02/2023
Data Release Frequency: Quarterly

Federal institutional controls / engineering controls registries

LUCIS: Land Use Control Information System

LUCIS contains records of land use control information pertaining to the former Navy Base Realignment and Closure properties.

Date of Government Version: 08/16/2022
Date Data Arrived at EDR: 08/22/2022
Date Made Active in Reports: 10/24/2022
Number of Days to Update: 63

Source: Department of the Navy
Telephone: 843-820-7326
Last EDR Contact: 08/03/2022
Next Scheduled EDR Contact: 11/21/2022
Data Release Frequency: Varies

US ENG CONTROLS: Engineering Controls Sites List

A listing of sites with engineering controls in place. Engineering controls include various forms of caps, building foundations, liners, and treatment methods to create pathway elimination for regulated substances to enter environmental media or effect human health.

Date of Government Version: 08/15/2022
Date Data Arrived at EDR: 08/17/2022
Date Made Active in Reports: 10/24/2022
Number of Days to Update: 68

Source: Environmental Protection Agency
Telephone: 703-603-0695
Last EDR Contact: 08/17/2022
Next Scheduled EDR Contact: 12/05/2022
Data Release Frequency: Varies

US INST CONTROLS: Institutional Controls Sites List

A listing of sites with institutional controls in place. Institutional controls include administrative measures, such as groundwater use restrictions, construction restrictions, property use restrictions, and post remediation care requirements intended to prevent exposure to contaminants remaining on site. Deed restrictions are generally required as part of the institutional controls.

Date of Government Version: 08/15/2022
Date Data Arrived at EDR: 08/17/2022
Date Made Active in Reports: 10/24/2022
Number of Days to Update: 68

Source: Environmental Protection Agency
Telephone: 703-603-0695
Last EDR Contact: 08/17/2022
Next Scheduled EDR Contact: 12/05/2022
Data Release Frequency: Varies

Federal ERNS list

ERNS: Emergency Response Notification System

Emergency Response Notification System. ERNS records and stores information on reported releases of oil and hazardous substances.

Date of Government Version: 06/14/2022
Date Data Arrived at EDR: 06/15/2022
Date Made Active in Reports: 06/21/2022
Number of Days to Update: 6

Source: National Response Center, United States Coast Guard
Telephone: 202-267-2180
Last EDR Contact: 09/20/2022
Next Scheduled EDR Contact: 01/02/2023
Data Release Frequency: Quarterly

Lists of state- and tribal (Superfund) equivalent sites

RESPONSE: State Response Sites

Identifies confirmed release sites where DTSC is involved in remediation, either in a lead or oversight capacity. These confirmed release sites are generally high-priority and high potential risk.

Date of Government Version: 07/25/2022
Date Data Arrived at EDR: 07/25/2022
Date Made Active in Reports: 10/05/2022
Number of Days to Update: 72

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 10/24/2022
Next Scheduled EDR Contact: 02/06/2023
Data Release Frequency: Quarterly

Lists of state- and tribal hazardous waste facilities

ENVIROSTOR: EnviroStor Database

The Department of Toxic Substances Control's (DTSC's) Site Mitigation and Brownfields Reuse Program's (SMBRP's) EnviroStor database identifes sites that have known contamination or sites for which there may be reasons to investigate further. The database includes the following site types: Federal Superfund sites (National Priorities List (NPL)); State Response, including Military Facilities and State Superfund; Voluntary Cleanup; and School sites. EnviroStor provides similar information to the information that was available in CalSites, and provides additional site information, including, but not limited to, identification of formerly-contaminated properties that have been released for reuse, properties where environmental deed restrictions have been recorded to prevent inappropriate land uses, and risk characterization information that is used to assess potential impacts to public health and the environment at contaminated sites.

Date of Government Version: 07/25/2022
Date Data Arrived at EDR: 07/25/2022
Date Made Active in Reports: 10/05/2022
Number of Days to Update: 72

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 10/24/2022
Next Scheduled EDR Contact: 02/06/2023
Data Release Frequency: Quarterly

Lists of state and tribal landfills and solid waste disposal facilities

SWF/LF (SWIS): Solid Waste Information System

Active, Closed and Inactive Landfills. SWF/LF records typically contain an inve ntory of solid waste disposal facilities or landfills. These may be active or i nactive facilities or open dumps that failed to meet RCRA Section 4004 criteria for solid waste landfills or disposal sites.

Date of Government Version: 08/08/2022
Date Data Arrived at EDR: 08/08/2022
Date Made Active in Reports: 10/20/2022
Number of Days to Update: 73

Source: Department of Resources Recycling and Recovery
Telephone: 916-341-6320
Last EDR Contact: 08/08/2022
Next Scheduled EDR Contact: 11/21/2022
Data Release Frequency: Quarterly

Lists of state and tribal leaking storage tanks

LUST REG 3: Leaking Underground Storage Tank Database
Leaking Underground Storage Tank locations. Monterey, San Benito, San Luis Obispo, Santa Barbara, Santa Cruz counties.

Date of Government Version: 05/19/2003
Date Data Arrived at EDR: 05/19/2003
Date Made Active in Reports: 06/02/2003
Number of Days to Update: 14

Source: California Regional Water Quality Control Board Central Coast Region (3)
Telephone: 805-542-4786
Last EDR Contact: 07/18/2011
Next Scheduled EDR Contact: 10/31/2011
Data Release Frequency: No Update Planned

LUST REG 4: Underground Storage Tank Leak List
Los Angeles, Ventura counties. For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 09/07/2004
Date Data Arrived at EDR: 09/07/2004
Date Made Active in Reports: 10/12/2004
Number of Days to Update: 35

Source: California Regional Water Quality Control Board Los Angeles Region (4)
Telephone: 213-576-6710
Last EDR Contact: 09/06/2011
Next Scheduled EDR Contact: 12/19/2011
Data Release Frequency: No Update Planned

LUST REG 5: Leaking Underground Storage Tank Database
Leaking Underground Storage Tank locations. Alameda, Alpine, Amador, Butte, Colusa, Contra Costa, Calveras, El Dorado, Fresno, Glenn, Kern, Kings, Lake, Lassen, Madera, Mariposa, Merced, Modoc, Napa, Nevada, Placer, Plumas, Sacramento, San Joaquin, Shasta, Solano, Stanislaus, Sutter, Tehama, Tulare, Tuolumne, Yolo, Yuba counties.

Date of Government Version: 07/01/2008
Date Data Arrived at EDR: 07/22/2008
Date Made Active in Reports: 07/31/2008
Number of Days to Update: 9

Source: California Regional Water Quality Control Board Central Valley Region (5)
Telephone: 916-464-4834
Last EDR Contact: 07/01/2011
Next Scheduled EDR Contact: 10/17/2011
Data Release Frequency: No Update Planned

LUST REG 7: Leaking Underground Storage Tank Case Listing
Leaking Underground Storage Tank locations. Imperial, Riverside, San Diego, Santa Barbara counties.

Date of Government Version: 02/26/2004
Date Data Arrived at EDR: 02/26/2004
Date Made Active in Reports: 03/24/2004
Number of Days to Update: 27

Source: California Regional Water Quality Control Board Colorado River Basin Region (7)
Telephone: 760-776-8943
Last EDR Contact: 08/01/2011
Next Scheduled EDR Contact: 11/14/2011
Data Release Frequency: No Update Planned

LUST REG 8: Leaking Underground Storage Tanks
California Regional Water Quality Control Board Santa Ana Region (8). For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 02/14/2005
Date Data Arrived at EDR: 02/15/2005
Date Made Active in Reports: 03/28/2005
Number of Days to Update: 41

Source: California Regional Water Quality Control Board Santa Ana Region (8)
Telephone: 909-782-4496
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: No Update Planned

LUST REG 2: Fuel Leak List
Leaking Underground Storage Tank locations. Alameda, Contra Costa, Marin, Napa, San Francisco, San Mateo, Santa Clara, Solano, Sonoma counties.

Date of Government Version: 09/30/2004
Date Data Arrived at EDR: 10/20/2004
Date Made Active in Reports: 11/19/2004
Number of Days to Update: 30

Source: California Regional Water Quality Control Board San Francisco Bay Region (2)
Telephone: 510-622-2433
Last EDR Contact: 09/19/2011
Next Scheduled EDR Contact: 01/02/2012
Data Release Frequency: No Update Planned

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

LUST REG 1: Active Toxic Site Investigation

Del Norte, Humboldt, Lake, Mendocino, Modoc, Siskiyou, Sonoma, Trinity counties. For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 02/01/2001
Date Data Arrived at EDR: 02/28/2001
Date Made Active in Reports: 03/29/2001
Number of Days to Update: 29

Source: California Regional Water Quality Control Board North Coast (1)
Telephone: 707-570-3769
Last EDR Contact: 08/01/2011
Next Scheduled EDR Contact: 11/14/2011
Data Release Frequency: No Update Planned

LUST REG 6V: Leaking Underground Storage Tank Case Listing

Leaking Underground Storage Tank locations. Inyo, Kern, Los Angeles, Mono, San Bernardino counties.

Date of Government Version: 06/07/2005
Date Data Arrived at EDR: 06/07/2005
Date Made Active in Reports: 06/29/2005
Number of Days to Update: 22

Source: California Regional Water Quality Control Board Victorville Branch Office (6)
Telephone: 760-241-7365
Last EDR Contact: 09/12/2011
Next Scheduled EDR Contact: 12/26/2011
Data Release Frequency: No Update Planned

LUST: Leaking Underground Fuel Tank Report (GEOTRACKER)

Leaking Underground Storage Tank (LUST) Sites included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

Date of Government Version: 05/23/2022
Date Data Arrived at EDR: 05/23/2022
Date Made Active in Reports: 05/24/2022
Number of Days to Update: 1

Source: State Water Resources Control Board
Telephone: see region list
Last EDR Contact: 08/31/2022
Next Scheduled EDR Contact: 12/19/2022
Data Release Frequency: Quarterly

LUST REG 6L: Leaking Underground Storage Tank Case Listing

For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 09/09/2003
Date Data Arrived at EDR: 09/10/2003
Date Made Active in Reports: 10/07/2003
Number of Days to Update: 27

Source: California Regional Water Quality Control Board Lahontan Region (6)
Telephone: 530-542-5572
Last EDR Contact: 09/12/2011
Next Scheduled EDR Contact: 12/26/2011
Data Release Frequency: No Update Planned

LUST REG 9: Leaking Underground Storage Tank Report

Orange, Riverside, San Diego counties. For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 03/01/2001
Date Data Arrived at EDR: 04/23/2001
Date Made Active in Reports: 05/21/2001
Number of Days to Update: 28

Source: California Regional Water Quality Control Board San Diego Region (9)
Telephone: 858-637-5595
Last EDR Contact: 09/26/2011
Next Scheduled EDR Contact: 01/09/2012
Data Release Frequency: No Update Planned

INDIAN LUST R9: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Arizona, California, New Mexico and Nevada

Date of Government Version: 04/08/2022
Date Data Arrived at EDR: 06/13/2022
Date Made Active in Reports: 08/16/2022
Number of Days to Update: 64

Source: Environmental Protection Agency
Telephone: 415-972-3372
Last EDR Contact: 10/17/2022
Next Scheduled EDR Contact: 01/30/2023
Data Release Frequency: Varies

INDIAN LUST R1: Leaking Underground Storage Tanks on Indian Land

A listing of leaking underground storage tank locations on Indian Land.

Date of Government Version: 04/28/2021
Date Data Arrived at EDR: 06/11/2021
Date Made Active in Reports: 09/07/2021
Number of Days to Update: 88

Source: EPA Region 1
Telephone: 617-918-1313
Last EDR Contact: 10/17/2022
Next Scheduled EDR Contact: 01/30/2023
Data Release Frequency: Varies

INDIAN LUST R7: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Iowa, Kansas, and Nebraska

Date of Government Version: 04/14/2022
Date Data Arrived at EDR: 06/13/2022
Date Made Active in Reports: 08/16/2022
Number of Days to Update: 64

Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 10/17/2022
Next Scheduled EDR Contact: 01/30/2023
Data Release Frequency: Varies

INDIAN LUST R8: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Colorado, Montana, North Dakota, South Dakota, Utah and Wyoming.

Date of Government Version: 04/20/2022
Date Data Arrived at EDR: 06/13/2022
Date Made Active in Reports: 08/16/2022
Number of Days to Update: 64

Source: EPA Region 8
Telephone: 303-312-6271
Last EDR Contact: 10/17/2022
Next Scheduled EDR Contact: 01/30/2023
Data Release Frequency: Varies

INDIAN LUST R10: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Alaska, Idaho, Oregon and Washington.

Date of Government Version: 04/20/2022
Date Data Arrived at EDR: 06/13/2022
Date Made Active in Reports: 08/16/2022
Number of Days to Update: 64

Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 10/17/2022
Next Scheduled EDR Contact: 01/30/2023
Data Release Frequency: Varies

INDIAN LUST R6: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in New Mexico and Oklahoma.

Date of Government Version: 04/28/2022
Date Data Arrived at EDR: 06/13/2022
Date Made Active in Reports: 08/16/2022
Number of Days to Update: 64

Source: EPA Region 6
Telephone: 214-665-6597
Last EDR Contact: 10/17/2022
Next Scheduled EDR Contact: 01/30/2023
Data Release Frequency: Varies

INDIAN LUST R4: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Florida, Mississippi and North Carolina.

Date of Government Version: 06/02/2022
Date Data Arrived at EDR: 06/13/2022
Date Made Active in Reports: 08/31/2022
Number of Days to Update: 79

Source: EPA Region 4
Telephone: 404-562-8677
Last EDR Contact: 10/17/2022
Next Scheduled EDR Contact: 01/30/2023
Data Release Frequency: Varies

INDIAN LUST R5: Leaking Underground Storage Tanks on Indian Land
Leaking underground storage tanks located on Indian Land in Michigan, Minnesota and Wisconsin.

Date of Government Version: 04/11/2022
Date Data Arrived at EDR: 06/13/2022
Date Made Active in Reports: 08/16/2022
Number of Days to Update: 64

Source: EPA, Region 5
Telephone: 312-886-7439
Last EDR Contact: 10/17/2022
Next Scheduled EDR Contact: 01/30/2023
Data Release Frequency: Varies

CPS-SLIC: Statewide SLIC Cases (GEOTRACKER)

Cleanup Program Sites (CPS; also known as Site Cleanups [SC] and formerly known as Spills, Leaks, Investigations, and Cleanups [SLIC] sites) included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

Date of Government Version: 05/23/2022
Date Data Arrived at EDR: 05/23/2022
Date Made Active in Reports: 05/24/2022
Number of Days to Update: 1

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 08/31/2022
Next Scheduled EDR Contact: 12/19/2022
Data Release Frequency: Varies

SLIC REG 1: Active Toxic Site Investigations

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 04/03/2003
Date Data Arrived at EDR: 04/07/2003
Date Made Active in Reports: 04/25/2003
Number of Days to Update: 18

Source: California Regional Water Quality Control Board, North Coast Region (1)
Telephone: 707-576-2220
Last EDR Contact: 08/01/2011
Next Scheduled EDR Contact: 11/14/2011
Data Release Frequency: No Update Planned

SLIC REG 2: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 09/30/2004
Date Data Arrived at EDR: 10/20/2004
Date Made Active in Reports: 11/19/2004
Number of Days to Update: 30

Source: Regional Water Quality Control Board San Francisco Bay Region (2)
Telephone: 510-286-0457
Last EDR Contact: 09/19/2011
Next Scheduled EDR Contact: 01/02/2012
Data Release Frequency: No Update Planned

SLIC REG 3: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 05/18/2006
Date Data Arrived at EDR: 05/18/2006
Date Made Active in Reports: 06/15/2006
Number of Days to Update: 28

Source: California Regional Water Quality Control Board Central Coast Region (3)
Telephone: 805-549-3147
Last EDR Contact: 07/18/2011
Next Scheduled EDR Contact: 10/31/2011
Data Release Frequency: No Update Planned

SLIC REG 4: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 11/17/2004
Date Data Arrived at EDR: 11/18/2004
Date Made Active in Reports: 01/04/2005
Number of Days to Update: 47

Source: Region Water Quality Control Board Los Angeles Region (4)
Telephone: 213-576-6600
Last EDR Contact: 07/01/2011
Next Scheduled EDR Contact: 10/17/2011
Data Release Frequency: No Update Planned

SLIC REG 5: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 04/01/2005
Date Data Arrived at EDR: 04/05/2005
Date Made Active in Reports: 04/21/2005
Number of Days to Update: 16

Source: Regional Water Quality Control Board Central Valley Region (5)
Telephone: 916-464-3291
Last EDR Contact: 09/12/2011
Next Scheduled EDR Contact: 12/26/2011
Data Release Frequency: No Update Planned

SLIC REG 6V: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 05/24/2005
Date Data Arrived at EDR: 05/25/2005
Date Made Active in Reports: 06/16/2005
Number of Days to Update: 22

Source: Regional Water Quality Control Board, Victorville Branch
Telephone: 619-241-6583
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: No Update Planned

SLIC REG 6L: SLIC Sites
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 09/07/2004
Date Data Arrived at EDR: 09/07/2004
Date Made Active in Reports: 10/12/2004
Number of Days to Update: 35

Source: California Regional Water Quality Control Board, Lahontan Region
Telephone: 530-542-5574
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: No Update Planned

SLIC REG 7: SLIC List
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 11/24/2004
Date Data Arrived at EDR: 11/29/2004
Date Made Active in Reports: 01/04/2005
Number of Days to Update: 36

Source: California Regional Quality Control Board, Colorado River Basin Region
Telephone: 760-346-7491
Last EDR Contact: 08/01/2011
Next Scheduled EDR Contact: 11/14/2011
Data Release Frequency: No Update Planned

SLIC REG 8: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 04/03/2008
Date Data Arrived at EDR: 04/03/2008
Date Made Active in Reports: 04/14/2008
Number of Days to Update: 11

Source: California Region Water Quality Control Board Santa Ana Region (8)
Telephone: 951-782-3298
Last EDR Contact: 09/12/2011
Next Scheduled EDR Contact: 12/26/2011
Data Release Frequency: No Update Planned

SLIC REG 9: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 09/10/2007
Date Data Arrived at EDR: 09/11/2007
Date Made Active in Reports: 09/28/2007
Number of Days to Update: 17

Source: California Regional Water Quality Control Board San Diego Region (9)
Telephone: 858-467-2980
Last EDR Contact: 08/08/2011
Next Scheduled EDR Contact: 11/21/2011
Data Release Frequency: No Update Planned

Lists of state and tribal registered storage tanks

FEMA UST: Underground Storage Tank Listing
A listing of all FEMA owned underground storage tanks.

Date of Government Version: 10/14/2021
Date Data Arrived at EDR: 11/05/2021
Date Made Active in Reports: 02/01/2022
Number of Days to Update: 88

Source: FEMA
Telephone: 202-646-5797
Last EDR Contact: 09/27/2022
Next Scheduled EDR Contact: 01/16/2023
Data Release Frequency: Varies

UST CLOSURE: Proposed Closure of Underground Storage Tank (UST) Cases

UST cases that are being considered for closure by either the State Water Resources Control Board or the Executive Director have been posted for a 60-day public comment period. UST Case Closures being proposed for consideration by the State Water Resources Control Board. These are primarily UST cases that meet closure criteria under the decisional framework in State Water Board Resolution No. 92-49 and other Board orders. UST Case Closures proposed for consideration by the Executive Director pursuant to State Water Board Resolution No. 2012-0061. These are cases that meet the criteria of the Low-Threat UST Case Closure Policy. UST Case Closure Review Denials and Approved Orders.

Date of Government Version: 06/01/2022
Date Data Arrived at EDR: 06/09/2022
Date Made Active in Reports: 08/26/2022
Number of Days to Update: 78

Source: State Water Resources Control Board
Telephone: 916-327-7844
Last EDR Contact: 08/31/2022
Next Scheduled EDR Contact: 12/19/2022
Data Release Frequency: Varies

UST: Active UST Facilities

Active UST facilities gathered from the local regulatory agencies

Date of Government Version: 06/06/2022
Date Data Arrived at EDR: 06/07/2022
Date Made Active in Reports: 08/24/2022
Number of Days to Update: 78

Source: SWRCB
Telephone: 916-341-5851
Last EDR Contact: 08/31/2022
Next Scheduled EDR Contact: 12/19/2022
Data Release Frequency: Semi-Annually

MILITARY UST SITES: Military UST Sites (GEOTRACKER)

Military ust sites

Date of Government Version: 05/23/2022
Date Data Arrived at EDR: 05/23/2022
Date Made Active in Reports: 06/02/2022
Number of Days to Update: 10

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 08/31/2022
Next Scheduled EDR Contact: 12/19/2022
Data Release Frequency: Varies

AST: Aboveground Petroleum Storage Tank Facilities

A listing of aboveground storage tank petroleum storage tank locations.

Date of Government Version: 07/06/2016
Date Data Arrived at EDR: 07/12/2016
Date Made Active in Reports: 09/19/2016
Number of Days to Update: 69

Source: California Environmental Protection Agency
Telephone: 916-327-5092
Last EDR Contact: 09/07/2022
Next Scheduled EDR Contact: 12/26/2022
Data Release Frequency: Varies

INDIAN UST R4: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 4 (Alabama, Florida, Georgia, Kentucky, Mississippi, North Carolina, South Carolina, Tennessee and Tribal Nations)

Date of Government Version: 06/02/2022
Date Data Arrived at EDR: 06/13/2022
Date Made Active in Reports: 08/31/2022
Number of Days to Update: 79

Source: EPA Region 4
Telephone: 404-562-9424
Last EDR Contact: 10/17/2022
Next Scheduled EDR Contact: 01/30/2023
Data Release Frequency: Varies

INDIAN UST R10: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 10 (Alaska, Idaho, Oregon, Washington, and Tribal Nations).

Date of Government Version: 04/20/2022
Date Data Arrived at EDR: 06/13/2022
Date Made Active in Reports: 08/16/2022
Number of Days to Update: 64

Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 10/17/2022
Next Scheduled EDR Contact: 01/30/2023
Data Release Frequency: Varies

INDIAN UST R7: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 7 (Iowa, Kansas, Missouri, Nebraska, and 9 Tribal Nations).

Date of Government Version: 04/14/2022
Date Data Arrived at EDR: 06/13/2022
Date Made Active in Reports: 08/16/2022
Number of Days to Update: 64

Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 10/17/2022
Next Scheduled EDR Contact: 01/30/2023
Data Release Frequency: Varies

INDIAN UST R8: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 8 (Colorado, Montana, North Dakota, South Dakota, Utah, Wyoming and 27 Tribal Nations).

Date of Government Version: 04/20/2022
Date Data Arrived at EDR: 06/13/2022
Date Made Active in Reports: 08/16/2022
Number of Days to Update: 64

Source: EPA Region 8
Telephone: 303-312-6137
Last EDR Contact: 10/17/2022
Next Scheduled EDR Contact: 01/30/2023
Data Release Frequency: Varies

INDIAN UST R9: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 9 (Arizona, California, Hawaii, Nevada, the Pacific Islands, and Tribal Nations).

Date of Government Version: 04/08/2022
Date Data Arrived at EDR: 06/13/2022
Date Made Active in Reports: 08/16/2022
Number of Days to Update: 64

Source: EPA Region 9
Telephone: 415-972-3368
Last EDR Contact: 10/17/2022
Next Scheduled EDR Contact: 01/30/2023
Data Release Frequency: Varies

INDIAN UST R1: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 1 (Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, Vermont and ten Tribal Nations).

Date of Government Version: 04/07/2022
Date Data Arrived at EDR: 06/13/2022
Date Made Active in Reports: 08/16/2022
Number of Days to Update: 64

Source: EPA, Region 1
Telephone: 617-918-1313
Last EDR Contact: 10/17/2022
Next Scheduled EDR Contact: 01/30/2023
Data Release Frequency: Varies

INDIAN UST R6: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 6 (Louisiana, Arkansas, Oklahoma, New Mexico, Texas and 65 Tribes).

Date of Government Version: 04/28/2022
Date Data Arrived at EDR: 06/13/2022
Date Made Active in Reports: 08/16/2022
Number of Days to Update: 64

Source: EPA Region 6
Telephone: 214-665-7591
Last EDR Contact: 10/17/2022
Next Scheduled EDR Contact: 01/30/2023
Data Release Frequency: Varies

INDIAN UST R5: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 5 (Michigan, Minnesota and Wisconsin and Tribal Nations).

Date of Government Version: 04/11/2022
Date Data Arrived at EDR: 06/13/2022
Date Made Active in Reports: 08/16/2022
Number of Days to Update: 64

Source: EPA Region 5
Telephone: 312-886-6136
Last EDR Contact: 10/17/2022
Next Scheduled EDR Contact: 01/30/2023
Data Release Frequency: Varies

Lists of state and tribal voluntary cleanup sites

INDIAN VCP R7: Voluntary Cleanup Priority Lisitng
A listing of voluntary cleanup priority sites located on Indian Land located in Region 7.

Date of Government Version: 03/20/2008
Date Data Arrived at EDR: 04/22/2008
Date Made Active in Reports: 05/19/2008
Number of Days to Update: 27

Source: EPA, Region 7
Telephone: 913-551-7365
Last EDR Contact: 07/08/2021
Next Scheduled EDR Contact: 07/20/2009
Data Release Frequency: Varies

INDIAN VCP R1: Voluntary Cleanup Priority Listing
A listing of voluntary cleanup priority sites located on Indian Land located in Region 1.

Date of Government Version: 07/27/2015
Date Data Arrived at EDR: 09/29/2015
Date Made Active in Reports: 02/18/2016
Number of Days to Update: 142

Source: EPA, Region 1
Telephone: 617-918-1102
Last EDR Contact: 09/13/2022
Next Scheduled EDR Contact: 01/02/2023
Data Release Frequency: Varies

VCP: Voluntary Cleanup Program Properties
Contains low threat level properties with either confirmed or unconfirmed releases and the project proponents have request that DTSC oversee investigation and/or cleanup activities and have agreed to provide coverage for DTSC's costs.

Date of Government Version: 07/25/2022
Date Data Arrived at EDR: 07/25/2022
Date Made Active in Reports: 10/05/2022
Number of Days to Update: 72

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 10/24/2022
Next Scheduled EDR Contact: 02/06/2023
Data Release Frequency: Quarterly

Lists of state and tribal brownfield sites

BROWNFIELDS: Considered Brownfieds Sites Listing
A listing of sites the SWRCB considers to be Brownfields since these are sites have come to them through the MOA Process.

Date of Government Version: 06/21/2022
Date Data Arrived at EDR: 06/21/2022
Date Made Active in Reports: 09/08/2022
Number of Days to Update: 79

Source: State Water Resources Control Board
Telephone: 916-323-7905
Last EDR Contact: 09/19/2022
Next Scheduled EDR Contact: 01/02/2023
Data Release Frequency: Quarterly

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS: A Listing of Brownfields Sites
Brownfields are real property, the expansion, redevelopment, or reuse of which may be complicated by the presence or potential presence of a hazardous substance, pollutant, or contaminant. Cleaning up and reinvesting in these properties takes development pressures off of undeveloped, open land, and both improves and protects the environment. Assessment, Cleanup and Redevelopment Exchange System (ACRES) stores information reported by EPA Brownfields grant recipients on brownfields properties assessed or cleaned up with grant funding as well as information on Targeted Brownfields Assessments performed by EPA Regions. A listing of ACRES Brownfield sites is obtained from Cleanups in My Community. Cleanups in My Community provides information on Brownfields properties for which information is reported back to EPA, as well as areas served by Brownfields grant programs.

Date of Government Version: 02/23/2022
Date Data Arrived at EDR: 03/10/2022
Date Made Active in Reports: 03/10/2022
Number of Days to Update: 0

Source: Environmental Protection Agency
Telephone: 202-566-2777
Last EDR Contact: 09/09/2022
Next Scheduled EDR Contact: 12/26/2022
Data Release Frequency: Semi-Annually

Local Lists of Landfill / Solid Waste Disposal Sites

WMUDS/SWAT: Waste Management Unit Database

Waste Management Unit Database System. WMUDS is used by the State Water Resources Control Board staff and the Regional Water Quality Control Boards for program tracking and inventory of waste management units. WMUDS is composed of the following databases: Facility Information, Scheduled Inspections Information, Waste Management Unit Information, SWAT Program Information, SWAT Report Summary Information, SWAT Report Summary Data, Chapter 15 (formerly Subchapter 15) Information, Chapter 15 Monitoring Parameters, TPCA Program Information, RCRA Program Information, Closure Information, and Interested Parties Information.

Date of Government Version: 04/01/2000
Date Data Arrived at EDR: 04/10/2000
Date Made Active in Reports: 05/10/2000
Number of Days to Update: 30

Source: State Water Resources Control Board
Telephone: 916-227-4448
Last EDR Contact: 10/20/2022
Next Scheduled EDR Contact: 02/06/2023
Data Release Frequency: No Update Planned

SWRCY: Recycler Database

A listing of recycling facilities in California.

Date of Government Version: 06/06/2022
Date Data Arrived at EDR: 06/07/2022
Date Made Active in Reports: 08/23/2022
Number of Days to Update: 77

Source: Department of Conservation
Telephone: 916-323-3836
Last EDR Contact: 08/31/2022
Next Scheduled EDR Contact: 12/19/2022
Data Release Frequency: Quarterly

HAULERS: Registered Waste Tire Haulers Listing

A listing of registered waste tire haulers.

Date of Government Version: 08/12/2022
Date Data Arrived at EDR: 08/16/2022
Date Made Active in Reports: 08/26/2022
Number of Days to Update: 10

Source: Integrated Waste Management Board
Telephone: 916-341-6422
Last EDR Contact: 08/16/2022
Next Scheduled EDR Contact: 11/21/2022
Data Release Frequency: Varies

INDIAN ODI: Report on the Status of Open Dumps on Indian Lands

Location of open dumps on Indian land.

Date of Government Version: 12/31/1998
Date Data Arrived at EDR: 12/03/2007
Date Made Active in Reports: 01/24/2008
Number of Days to Update: 52

Source: Environmental Protection Agency
Telephone: 703-308-8245
Last EDR Contact: 10/20/2022
Next Scheduled EDR Contact: 02/06/2023
Data Release Frequency: Varies

ODI: Open Dump Inventory

An open dump is defined as a disposal facility that does not comply with one or more of the Part 257 or Part 258 Subtitle D Criteria.

Date of Government Version: 06/30/1985
Date Data Arrived at EDR: 08/09/2004
Date Made Active in Reports: 09/17/2004
Number of Days to Update: 39

Source: Environmental Protection Agency
Telephone: 800-424-9346
Last EDR Contact: 06/09/2004
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

DEBRIS REGION 9: Torres Martinez Reservation Illegal Dump Site Locations

A listing of illegal dump sites location on the Torres Martinez Indian Reservation located in eastern Riverside County and northern Imperial County, California.

Date of Government Version: 01/12/2009
Date Data Arrived at EDR: 05/07/2009
Date Made Active in Reports: 09/21/2009
Number of Days to Update: 137

Source: EPA, Region 9
Telephone: 415-947-4219
Last EDR Contact: 10/11/2022
Next Scheduled EDR Contact: 01/30/2023
Data Release Frequency: No Update Planned

IHS OPEN DUMPS: Open Dumps on Indian Land

A listing of all open dumps located on Indian Land in the United States.

Date of Government Version: 04/01/2014
Date Data Arrived at EDR: 08/06/2014
Date Made Active in Reports: 01/29/2015
Number of Days to Update: 176

Source: Department of Health & Human Serivces, Indian Health Service
Telephone: 301-443-1452
Last EDR Contact: 07/21/2022
Next Scheduled EDR Contact: 11/07/2022
Data Release Frequency: Varies

Local Lists of Hazardous waste / Contaminated Sites

US HIST CDL: National Clandestine Laboratory Register

A listing of clandestine drug lab locations that have been removed from the DEAs National Clandestine Laboratory Register.

Date of Government Version: 07/29/2022
Date Data Arrived at EDR: 08/18/2022
Date Made Active in Reports: 10/24/2022
Number of Days to Update: 67

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 08/18/2022
Next Scheduled EDR Contact: 12/05/2022
Data Release Frequency: No Update Planned

HIST CAL-SITES: Calsites Database

The Calsites database contains potential or confirmed hazardous substance release properties. In 1996, California EPA reevaluated and significantly reduced the number of sites in the Calsites database. No longer updated by the state agency. It has been replaced by ENVIROSTOR.

Date of Government Version: 08/08/2005
Date Data Arrived at EDR: 08/03/2006
Date Made Active in Reports: 08/24/2006
Number of Days to Update: 21

Source: Department of Toxic Substance Control
Telephone: 916-323-3400
Last EDR Contact: 02/23/2009
Next Scheduled EDR Contact: 05/25/2009
Data Release Frequency: No Update Planned

SCH: School Property Evaluation Program

This category contains proposed and existing school sites that are being evaluated by DTSC for possible hazardous materials contamination. In some cases, these properties may be listed in the CalSites category depending on the level of threat to public health and safety or the environment they pose.

Date of Government Version: 07/25/2022
Date Data Arrived at EDR: 07/25/2022
Date Made Active in Reports: 10/05/2022
Number of Days to Update: 72

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 10/24/2022
Next Scheduled EDR Contact: 02/06/2023
Data Release Frequency: Quarterly

CDL: Clandestine Drug Labs

A listing of drug lab locations. Listing of a location in this database does not indicate that any illegal drug lab materials were or were not present there, and does not constitute a determination that the location either requires or does not require additional cleanup work.

Date of Government Version: 12/31/2019
Date Data Arrived at EDR: 01/20/2021
Date Made Active in Reports: 04/08/2021
Number of Days to Update: 78

Source: Department of Toxic Substances Control
Telephone: 916-255-6504
Last EDR Contact: 09/27/2022
Next Scheduled EDR Contact: 01/16/2023
Data Release Frequency: Varies

TOXIC PITS: Toxic Pits Cleanup Act Sites

Toxic PITS Cleanup Act Sites. TOXIC PITS identifies sites suspected of containing hazardous substances where cleanup has not yet been completed.

Date of Government Version: 07/01/1995
Date Data Arrived at EDR: 08/30/1995
Date Made Active in Reports: 09/26/1995
Number of Days to Update: 27

Source: State Water Resources Control Board
Telephone: 916-227-4364
Last EDR Contact: 01/26/2009
Next Scheduled EDR Contact: 04/27/2009
Data Release Frequency: No Update Planned

CERS HAZ WASTE: CERS HAZ WASTE

List of sites in the California Environmental Protection Agency (CalEPA) Regulated Site Portal which fall under the Hazardous Chemical Management, Hazardous Waste Onsite Treatment, Household Hazardous Waste Collection, Hazardous Waste Generator, and RCRA LQ HW Generator programs.

Date of Government Version: 07/18/2022
Date Data Arrived at EDR: 07/18/2022
Date Made Active in Reports: 09/30/2022
Number of Days to Update: 74

Source: CalEPA
Telephone: 916-323-2514
Last EDR Contact: 10/17/2022
Next Scheduled EDR Contact: 01/30/2023
Data Release Frequency: Quarterly

US CDL: Clandestine Drug Labs

A listing of clandestine drug lab locations. The U.S. Department of Justice ("the Department") provides this web site as a public service. It contains addresses of some locations where law enforcement agencies reported they found chemicals or other items that indicated the presence of either clandestine drug laboratories or dumpsites. In most cases, the source of the entries is not the Department, and the Department has not verified the entry and does not guarantee its accuracy. Members of the public must verify the accuracy of all entries by, for example, contacting local law enforcement and local health departments.

Date of Government Version: 07/29/2022
Date Data Arrived at EDR: 08/18/2022
Date Made Active in Reports: 10/24/2022
Number of Days to Update: 67

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 08/18/2022
Next Scheduled EDR Contact: 12/05/2022
Data Release Frequency: Quarterly

AQUEOUS FOAM: Former Fire Training Facility Assessments Listing

Airports shown on this list are those believed to use Aqueous Film Forming Foam (AFFF), and certified by the Federal Aviation Administration (FAA) under Title 14, Code of Federal Regulations (CFR), Part 139 (14 CFR Part 139). This list was created by SWRCB using information available from the FAA. Location points shown are from the latitude and longitude listed on the FAA airport master record.

Date of Government Version: 02/20/2020
Date Data Arrived at EDR: 12/10/2021
Date Made Active in Reports: 02/25/2022
Number of Days to Update: 77

Source: State Water Resources Control Board
Telephone: 916-341-5455
Last EDR Contact: 09/06/2022
Next Scheduled EDR Contact: 12/19/2022
Data Release Frequency: Varies

PFAS: PFAS Contamination Site Location Listing

A listing of PFAS contaminated sites included in the GeoTracker database.

Date of Government Version: 06/06/2022
Date Data Arrived at EDR: 06/07/2022
Date Made Active in Reports: 08/24/2022
Number of Days to Update: 78

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 08/31/2022
Next Scheduled EDR Contact: 12/19/2022
Data Release Frequency: Varies

Local Lists of Registered Storage Tanks

SWEEPS UST: SWEEPS UST Listing

Statewide Environmental Evaluation and Planning System. This underground storage tank listing was updated and maintained by a company contacted by the SWRCB in the early 1990's. The listing is no longer updated or maintained. The local agency is the contact for more information on a site on the SWEEPS list.

Date of Government Version: 06/01/1994
Date Data Arrived at EDR: 07/07/2005
Date Made Active in Reports: 08/11/2005
Number of Days to Update: 35

Source: State Water Resources Control Board
Telephone: N/A
Last EDR Contact: 06/03/2005
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

HIST UST: Hazardous Substance Storage Container Database

The Hazardous Substance Storage Container Database is a historical listing of UST sites. Refer to local/county source for current data.

Date of Government Version: 10/15/1990
Date Data Arrived at EDR: 01/25/1991
Date Made Active in Reports: 02/12/1991
Number of Days to Update: 18

Source: State Water Resources Control Board
Telephone: 916-341-5851
Last EDR Contact: 07/26/2001
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

SAN FRANCISCO AST: Aboveground Storage Tank Site Listing

Aboveground storage tank sites

Date of Government Version: 08/04/2022
Date Data Arrived at EDR: 08/04/2022
Date Made Active in Reports: 10/20/2022
Number of Days to Update: 77

Source: San Francisco County Department of Public Health
Telephone: 415-252-3896
Last EDR Contact: 07/26/2022
Next Scheduled EDR Contact: 11/14/2022
Data Release Frequency: Varies

CERS TANKS: California Environmental Reporting System (CERS) Tanks

List of sites in the California Environmental Protection Agency (CalEPA) Regulated Site Portal which fall under the Aboveground Petroleum Storage and Underground Storage Tank regulatory programs.

Date of Government Version: 07/18/2022
Date Data Arrived at EDR: 07/18/2022
Date Made Active in Reports: 09/30/2022
Number of Days to Update: 74

Source: California Environmental Protection Agency
Telephone: 916-323-2514
Last EDR Contact: 10/17/2022
Next Scheduled EDR Contact: 01/30/2023
Data Release Frequency: Quarterly

CA FID UST: Facility Inventory Database

The Facility Inventory Database (FID) contains a historical listing of active and inactive underground storage tank locations from the State Water Resource Control Board. Refer to local/county source for current data.

Date of Government Version: 10/31/1994
Date Data Arrived at EDR: 09/05/1995
Date Made Active in Reports: 09/29/1995
Number of Days to Update: 24

Source: California Environmental Protection Agency
Telephone: 916-341-5851
Last EDR Contact: 12/28/1998
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

Local Land Records

LIENS: Environmental Liens Listing

A listing of property locations with environmental liens for California where DTSC is a lien holder.

Date of Government Version: 05/25/2022
Date Data Arrived at EDR: 05/26/2022
Date Made Active in Reports: 08/11/2022
Number of Days to Update: 77

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 08/23/2022
Next Scheduled EDR Contact: 12/12/2022
Data Release Frequency: Varies

LIENS 2: CERCLA Lien Information

A Federal CERCLA ('Superfund') lien can exist by operation of law at any site or property at which EPA has spent Superfund monies. These monies are spent to investigate and address releases and threatened releases of contamination. CERCLIS provides information as to the identity of these sites and properties.

Date of Government Version: 07/26/2022
Date Data Arrived at EDR: 08/02/2022
Date Made Active in Reports: 08/22/2022
Number of Days to Update: 20

Source: Environmental Protection Agency
Telephone: 202-564-6023
Last EDR Contact: 10/05/2022
Next Scheduled EDR Contact: 01/09/2023
Data Release Frequency: Semi-Annually

DEED: Deed Restriction Listing

Site Mitigation and Brownfields Reuse Program Facility Sites with Deed Restrictions & Hazardous Waste Management Program Facility Sites with Deed / Land Use Restriction. The DTSC Site Mitigation and Brownfields Reuse Program (SMBRP) list includes sites cleaned up under the program's oversight and generally does not include current or former hazardous waste facilities that required a hazardous waste facility permit. The list represents deed restrictions that are active. Some sites have multiple deed restrictions. The DTSC Hazardous Waste Management Program (HWMP) has developed a list of current or former hazardous waste facilities that have a recorded land use restriction at the local county recorder's office. The land use restrictions on this list were required by the DTSC HWMP as a result of the presence of hazardous substances that remain on site after the facility (or part of the facility) has been closed or cleaned up. The types of land use restriction include deed notice, deed restriction, or a land use restriction that binds current and future owners.

Date of Government Version: 05/31/2022
Date Data Arrived at EDR: 05/31/2022
Date Made Active in Reports: 08/18/2022
Number of Days to Update: 79

Source: DTSC and SWRCB
Telephone: 916-323-3400
Last EDR Contact: 08/25/2022
Next Scheduled EDR Contact: 12/12/2022
Data Release Frequency: Semi-Annually

Records of Emergency Release Reports

HMIRS: Hazardous Materials Information Reporting System

Hazardous Materials Incident Report System. HMIRS contains hazardous material spill incidents reported to DOT.

Date of Government Version: 09/19/2022
Date Data Arrived at EDR: 09/19/2022
Date Made Active in Reports: 09/30/2022
Number of Days to Update: 11

Source: U.S. Department of Transportation
Telephone: 202-366-4555
Last EDR Contact: 09/19/2022
Next Scheduled EDR Contact: 01/02/2023
Data Release Frequency: Quarterly

CHMIRS: California Hazardous Material Incident Report System

California Hazardous Material Incident Reporting System. CHMIRS contains information on reported hazardous material incidents (accidental releases or spills).

Date of Government Version: 06/30/2022
Date Data Arrived at EDR: 07/18/2022
Date Made Active in Reports: 09/30/2022
Number of Days to Update: 74

Source: Office of Emergency Services
Telephone: 916-845-8400
Last EDR Contact: 10/17/2022
Next Scheduled EDR Contact: 01/30/2023
Data Release Frequency: Semi-Annually

LDS: Land Disposal Sites Listing (GEOTRACKER)

Land Disposal sites (Landfills) included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

Date of Government Version: 05/23/2022
Date Data Arrived at EDR: 05/23/2022
Date Made Active in Reports: 05/24/2022
Number of Days to Update: 1

Source: State Water Qualilty Control Board
Telephone: 866-480-1028
Last EDR Contact: 08/31/2022
Next Scheduled EDR Contact: 12/19/2022
Data Release Frequency: Quarterly

MCS: Military Cleanup Sites Listing (GEOTRACKER)

Military sites (consisting of: Military UST sites; Military Privatized sites; and Military Cleanup sites [formerly known as DoD non UST]) included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

Date of Government Version: 05/23/2022
Date Data Arrived at EDR: 05/23/2022
Date Made Active in Reports: 05/24/2022
Number of Days to Update: 1

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 08/31/2022
Next Scheduled EDR Contact: 12/19/2022
Data Release Frequency: Quarterly

SPILLS 90: SPILLS90 data from FirstSearch

Spills 90 includes those spill and release records available exclusively from FirstSearch databases. Typically, they may include chemical, oil and/or hazardous substance spills recorded after 1990. Duplicate records that are already included in EDR incident and release records are not included in Spills 90.

Date of Government Version: 06/06/2012
Date Data Arrived at EDR: 01/03/2013
Date Made Active in Reports: 02/22/2013
Number of Days to Update: 50

Source: FirstSearch
Telephone: N/A
Last EDR Contact: 01/03/2013
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

Other Ascertainable Records

RCRA NonGen / NLR: RCRA - Non Generators / No Longer Regulated

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Non-Generators do not presently generate hazardous waste.

Date of Government Version: 06/20/2022
Date Data Arrived at EDR: 06/21/2022
Date Made Active in Reports: 06/28/2022
Number of Days to Update: 7

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 09/19/2022
Next Scheduled EDR Contact: 01/02/2023
Data Release Frequency: Quarterly

FUDS: Formerly Used Defense Sites

The listing includes locations of Formerly Used Defense Sites properties where the US Army Corps of Engineers is actively working or will take necessary cleanup actions.

Date of Government Version: 08/11/2022
Date Data Arrived at EDR: 08/11/2022
Date Made Active in Reports: 09/30/2022
Number of Days to Update: 50

Source: U.S. Army Corps of Engineers
Telephone: 202-528-4285
Last EDR Contact: 08/11/2022
Next Scheduled EDR Contact: 11/28/2022
Data Release Frequency: Varies

DOD: Department of Defense Sites

This data set consists of federally owned or administered lands, administered by the Department of Defense, that have any area equal to or greater than 640 acres of the United States, Puerto Rico, and the U.S. Virgin Islands.

Date of Government Version: 06/07/2021
Date Data Arrived at EDR: 07/13/2021
Date Made Active in Reports: 03/09/2022
Number of Days to Update: 239

Source: USGS
Telephone: 888-275-8747
Last EDR Contact: 10/13/2022
Next Scheduled EDR Contact: 01/23/2023
Data Release Frequency: Varies

FEDLAND: Federal and Indian Lands

Federally and Indian administrated lands of the United States. Lands included are administrated by: Army Corps of Engineers, Bureau of Reclamation, National Wild and Scenic River, National Wildlife Refuge, Public Domain Land, Wilderness, Wilderness Study Area, Wildlife Management Area, Bureau of Indian Affairs, Bureau of Land Management, Department of Justice, Forest Service, Fish and Wildlife Service, National Park Service.

Date of Government Version: 04/02/2018
Date Data Arrived at EDR: 04/11/2018
Date Made Active in Reports: 11/06/2019
Number of Days to Update: 574

Source: U.S. Geological Survey
Telephone: 888-275-8747
Last EDR Contact: 10/03/2022
Next Scheduled EDR Contact: 01/16/2023
Data Release Frequency: N/A

SCRD DRYCLEANERS: State Coalition for Remediation of Drycleaners Listing

The State Coalition for Remediation of Drycleaners was established in 1998, with support from the U.S. EPA Office of Superfund Remediation and Technology Innovation. It is comprised of representatives of states with established drycleaner remediation programs. Currently the member states are Alabama, Connecticut, Florida, Illinois, Kansas, Minnesota, Missouri, North Carolina, Oregon, South Carolina, Tennessee, Texas, and Wisconsin.

Date of Government Version: 01/01/2017
Date Data Arrived at EDR: 02/03/2017
Date Made Active in Reports: 04/07/2017
Number of Days to Update: 63

Source: Environmental Protection Agency
Telephone: 615-532-8599
Last EDR Contact: 08/03/2022
Next Scheduled EDR Contact: 11/21/2022
Data Release Frequency: Varies

US FIN ASSUR: Financial Assurance Information

All owners and operators of facilities that treat, store, or dispose of hazardous waste are required to provide proof that they will have sufficient funds to pay for the clean up, closure, and post-closure care of their facilities.

Date of Government Version: 06/20/2022
Date Data Arrived at EDR: 06/21/2022
Date Made Active in Reports: 08/31/2022
Number of Days to Update: 71

Source: Environmental Protection Agency
Telephone: 202-566-1917
Last EDR Contact: 09/20/2022
Next Scheduled EDR Contact: 01/02/2023
Data Release Frequency: Quarterly

EPA WATCH LIST: EPA WATCH LIST

EPA maintains a "Watch List" to facilitate dialogue between EPA, state and local environmental agencies on enforcement matters relating to facilities with alleged violations identified as either significant or high priority. Being on the Watch List does not mean that the facility has actually violated the law only that an investigation by EPA or a state or local environmental agency has led those organizations to allege that an unproven violation has in fact occurred. Being on the Watch List does not represent a higher level of concern regarding the alleged violations that were detected, but instead indicates cases requiring additional dialogue between EPA, state and local agencies - primarily because of the length of time the alleged violation has gone unaddressed or unresolved.

Date of Government Version: 08/30/2013
Date Data Arrived at EDR: 03/21/2014
Date Made Active in Reports: 06/17/2014
Number of Days to Update: 88

Source: Environmental Protection Agency
Telephone: 617-520-3000
Last EDR Contact: 07/29/2022
Next Scheduled EDR Contact: 11/14/2022
Data Release Frequency: Quarterly

2020 COR ACTION: 2020 Corrective Action Program List

The EPA has set ambitious goals for the RCRA Corrective Action program by creating the 2020 Corrective Action Universe. This RCRA cleanup baseline includes facilities expected to need corrective action. The 2020 universe contains a wide variety of sites. Some properties are heavily contaminated while others were contaminated but have since been cleaned up. Still others have not been fully investigated yet, and may require little or no remediation. Inclusion in the 2020 Universe does not necessarily imply failure on the part of a facility to meet its RCRA obligations.

Date of Government Version: 09/30/2017
Date Data Arrived at EDR: 05/08/2018
Date Made Active in Reports: 07/20/2018
Number of Days to Update: 73

Source: Environmental Protection Agency
Telephone: 703-308-4044
Last EDR Contact: 08/04/2022
Next Scheduled EDR Contact: 11/14/2022
Data Release Frequency: Varies

TSCA: Toxic Substances Control Act

Toxic Substances Control Act. TSCA identifies manufacturers and importers of chemical substances included on the TSCA Chemical Substance Inventory list. It includes data on the production volume of these substances by plant site.

Date of Government Version: 12/31/2016
Date Data Arrived at EDR: 06/17/2020
Date Made Active in Reports: 09/10/2020
Number of Days to Update: 85

Source: EPA
Telephone: 202-260-5521
Last EDR Contact: 09/12/2022
Next Scheduled EDR Contact: 12/26/2022
Data Release Frequency: Every 4 Years

TRIS: Toxic Chemical Release Inventory System

Toxic Release Inventory System. TRIS identifies facilities which release toxic chemicals to the air, water and land in reportable quantities under SARA Title III Section 313.

Date of Government Version: 12/31/2018
Date Data Arrived at EDR: 08/14/2020
Date Made Active in Reports: 11/04/2020
Number of Days to Update: 82

Source: EPA
Telephone: 202-566-0250
Last EDR Contact: 08/11/2022
Next Scheduled EDR Contact: 11/28/2022
Data Release Frequency: Annually

SSTS: Section 7 Tracking Systems

Section 7 of the Federal Insecticide, Fungicide and Rodenticide Act, as amended (92 Stat. 829) requires all registered pesticide-producing establishments to submit a report to the Environmental Protection Agency by March 1st each year. Each establishment must report the types and amounts of pesticides, active ingredients and devices being produced, and those having been produced and sold or distributed in the past year.

Date of Government Version: 07/18/2022
Date Data Arrived at EDR: 07/18/2022
Date Made Active in Reports: 07/29/2022
Number of Days to Update: 11

Source: EPA
Telephone: 202-564-4203
Last EDR Contact: 10/18/2022
Next Scheduled EDR Contact: 01/30/2023
Data Release Frequency: Annually

ROD: Records Of Decision

Record of Decision. ROD documents mandate a permanent remedy at an NPL (Superfund) site containing technical and health information to aid in the cleanup.

Date of Government Version: 07/26/2022
Date Data Arrived at EDR: 08/02/2022
Date Made Active in Reports: 08/22/2022
Number of Days to Update: 20

Source: EPA
Telephone: 703-416-0223
Last EDR Contact: 10/05/2022
Next Scheduled EDR Contact: 12/12/2022
Data Release Frequency: Annually

RMP: Risk Management Plans

When Congress passed the Clean Air Act Amendments of 1990, it required EPA to publish regulations and guidance for chemical accident prevention at facilities using extremely hazardous substances. The Risk Management Program Rule (RMP Rule) was written to implement Section 112(r) of these amendments. The rule, which built upon existing industry codes and standards, requires companies of all sizes that use certain flammable and toxic substances to develop a Risk Management Program, which includes a(n): Hazard assessment that details the potential effects of an accidental release, an accident history of the last five years, and an evaluation of worst-case and alternative accidental releases; Prevention program that includes safety precautions and maintenance, monitoring, and employee training measures; and Emergency response program that spells out emergency health care, employee training measures and procedures for informing the public and response agencies (e.g the fire department) should an accident occur.

Date of Government Version: 04/27/2022
Date Data Arrived at EDR: 05/04/2022
Date Made Active in Reports: 05/10/2022
Number of Days to Update: 6

Source: Environmental Protection Agency
Telephone: 202-564-8600
Last EDR Contact: 10/11/2022
Next Scheduled EDR Contact: 01/30/2023
Data Release Frequency: Varies

RAATS: RCRA Administrative Action Tracking System

RCRA Administration Action Tracking System. RAATS contains records based on enforcement actions issued under RCRA pertaining to major violators and includes administrative and civil actions brought by the EPA. For administration actions after September 30, 1995, data entry in the RAATS database was discontinued. EPA will retain a copy of the database for historical records. It was necessary to terminate RAATS because a decrease in agency resources made it impossible to continue to update the information contained in the database.

Date of Government Version: 04/17/1995
Date Data Arrived at EDR: 07/03/1995
Date Made Active in Reports: 08/07/1995
Number of Days to Update: 35

Source: EPA
Telephone: 202-564-4104
Last EDR Contact: 06/02/2008
Next Scheduled EDR Contact: 09/01/2008
Data Release Frequency: No Update Planned

PRP: Potentially Responsible Parties
A listing of verified Potentially Responsible Parties

Date of Government Version: 07/26/2022
Date Data Arrived at EDR: 08/02/2022
Date Made Active in Reports: 08/31/2022
Number of Days to Update: 29
Source: EPA
Telephone: 202-564-6023
Last EDR Contact: 10/05/2022
Next Scheduled EDR Contact: 11/14/2022
Data Release Frequency: Quarterly

PADS: PCB Activity Database System
PCB Activity Database. PADS Identifies generators, transporters, commercial storers and/or brokers and disposers of PCB's who are required to notify the EPA of such activities.

Date of Government Version: 01/20/2022
Date Data Arrived at EDR: 01/20/2022
Date Made Active in Reports: 03/25/2022
Number of Days to Update: 64
Source: EPA
Telephone: 202-566-0500
Last EDR Contact: 10/06/2022
Next Scheduled EDR Contact: 01/16/2023
Data Release Frequency: Annually

ICIS: Integrated Compliance Information System
The Integrated Compliance Information System (ICIS) supports the information needs of the national enforcement and compliance program as well as the unique needs of the National Pollutant Discharge Elimination System (NPDES) program.

Date of Government Version: 11/18/2016
Date Data Arrived at EDR: 11/23/2016
Date Made Active in Reports: 02/10/2017
Number of Days to Update: 79
Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 09/27/2022
Next Scheduled EDR Contact: 01/16/2023
Data Release Frequency: Quarterly

FTTS: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
FTTS tracks administrative cases and pesticide enforcement actions and compliance activities related to FIFRA, TSCA and EPCRA (Emergency Planning and Community Right-to-Know Act). To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 04/09/2009
Date Data Arrived at EDR: 04/16/2009
Date Made Active in Reports: 05/11/2009
Number of Days to Update: 25
Source: EPA/Office of Prevention, Pesticides and Toxic Substances
Telephone: 202-566-1667
Last EDR Contact: 08/18/2017
Next Scheduled EDR Contact: 12/04/2017
Data Release Frequency: No Update Planned

FTTS INSP: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
A listing of FIFRA/TSCA Tracking System (FTTS) inspections and enforcements.

Date of Government Version: 04/09/2009
Date Data Arrived at EDR: 04/16/2009
Date Made Active in Reports: 05/11/2009
Number of Days to Update: 25
Source: EPA
Telephone: 202-566-1667
Last EDR Contact: 08/18/2017
Next Scheduled EDR Contact: 12/04/2017
Data Release Frequency: No Update Planned

MLTS: Material Licensing Tracking System
MLTS is maintained by the Nuclear Regulatory Commission and contains a list of approximately 8,100 sites which possess or use radioactive materials and which are subject to NRC licensing requirements. To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 06/10/2022
Date Data Arrived at EDR: 06/14/2022
Date Made Active in Reports: 08/22/2022
Number of Days to Update: 69
Source: Nuclear Regulatory Commission
Telephone: 301-415-7169
Last EDR Contact: 10/11/2022
Next Scheduled EDR Contact: 01/30/2023
Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

COAL ASH DOE: Steam-Electric Plant Operation Data
A listing of power plants that store ash in surface ponds.

Date of Government Version: 12/31/2020
Date Data Arrived at EDR: 11/30/2021
Date Made Active in Reports: 02/22/2022
Number of Days to Update: 84
Source: Department of Energy
Telephone: 202-586-8719
Last EDR Contact: 08/25/2022
Next Scheduled EDR Contact: 12/12/2022
Data Release Frequency: Varies

COAL ASH EPA: Coal Combustion Residues Surface Impoundments List
A listing of coal combustion residues surface impoundments with high hazard potential ratings.

Date of Government Version: 01/12/2017
Date Data Arrived at EDR: 03/05/2019
Date Made Active in Reports: 11/11/2019
Number of Days to Update: 251
Source: Environmental Protection Agency
Telephone: N/A
Last EDR Contact: 08/25/2022
Next Scheduled EDR Contact: 12/12/2022
Data Release Frequency: Varies

PCB TRANSFORMER: PCB Transformer Registration Database
The database of PCB transformer registrations that includes all PCB registration submittals.

Date of Government Version: 09/13/2019
Date Data Arrived at EDR: 11/06/2019
Date Made Active in Reports: 02/10/2020
Number of Days to Update: 96
Source: Environmental Protection Agency
Telephone: 202-566-0517
Last EDR Contact: 08/04/2022
Next Scheduled EDR Contact: 11/14/2022
Data Release Frequency: Varies

RADINFO: Radiation Information Database
The Radiation Information Database (RADINFO) contains information about facilities that are regulated by U.S. Environmental Protection Agency (EPA) regulations for radiation and radioactivity.

Date of Government Version: 07/01/2019
Date Data Arrived at EDR: 07/01/2019
Date Made Active in Reports: 09/23/2019
Number of Days to Update: 84
Source: Environmental Protection Agency
Telephone: 202-343-9775
Last EDR Contact: 09/21/2022
Next Scheduled EDR Contact: 01/10/2023
Data Release Frequency: Quarterly

HIST FTTS: FIFRA/TSCA Tracking System Administrative Case Listing
A complete administrative case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006
Date Data Arrived at EDR: 03/01/2007
Date Made Active in Reports: 04/10/2007
Number of Days to Update: 40
Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 12/17/2007
Next Scheduled EDR Contact: 03/17/2008
Data Release Frequency: No Update Planned

HIST FTTS INSP: FIFRA/TSCA Tracking System Inspection & Enforcement Case Listing
A complete inspection and enforcement case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006
Date Data Arrived at EDR: 03/01/2007
Date Made Active in Reports: 04/10/2007
Number of Days to Update: 40

Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 12/17/2008
Next Scheduled EDR Contact: 03/17/2008
Data Release Frequency: No Update Planned

DOT OPS: Incident and Accident Data

Department of Transporation, Office of Pipeline Safety Incident and Accident data.

Date of Government Version: 01/02/2020
Date Data Arrived at EDR: 01/28/2020
Date Made Active in Reports: 04/17/2020
Number of Days to Update: 80

Source: Department of Transporation, Office of Pipeline Safety
Telephone: 202-366-4595
Last EDR Contact: 10/24/2022
Next Scheduled EDR Contact: 02/06/2023
Data Release Frequency: Quarterly

CONSENT: Superfund (CERCLA) Consent Decrees

Major legal settlements that establish responsibility and standards for cleanup at NPL (Superfund) sites. Released periodically by United States District Courts after settlement by parties to litigation matters.

Date of Government Version: 06/30/2022
Date Data Arrived at EDR: 07/21/2022
Date Made Active in Reports: 09/30/2022
Number of Days to Update: 71

Source: Department of Justice, Consent Decree Library
Telephone: Varies
Last EDR Contact: 09/27/2022
Next Scheduled EDR Contact: 01/16/2023
Data Release Frequency: Varies

BRS: Biennial Reporting System

The Biennial Reporting System is a national system administered by the EPA that collects data on the generation and management of hazardous waste. BRS captures detailed data from two groups: Large Quantity Generators (LQG) and Treatment, Storage, and Disposal Facilities.

Date of Government Version: 12/31/2019
Date Data Arrived at EDR: 03/02/2022
Date Made Active in Reports: 03/25/2022
Number of Days to Update: 23

Source: EPA/NTIS
Telephone: 800-424-9346
Last EDR Contact: 09/19/2022
Next Scheduled EDR Contact: 01/02/2023
Data Release Frequency: Biennially

INDIAN RESERV: Indian Reservations

This map layer portrays Indian administered lands of the United States that have any area equal to or greater than 640 acres.

Date of Government Version: 12/31/2014
Date Data Arrived at EDR: 07/14/2015
Date Made Active in Reports: 01/10/2017
Number of Days to Update: 546

Source: USGS
Telephone: 202-208-3710
Last EDR Contact: 10/06/2022
Next Scheduled EDR Contact: 01/16/2023
Data Release Frequency: Semi-Annually

FUSRAP: Formerly Utilized Sites Remedial Action Program

DOE established the Formerly Utilized Sites Remedial Action Program (FUSRAP) in 1974 to remediate sites where radioactive contamination remained from Manhattan Project and early U.S. Atomic Energy Commission (AEC) operations.

Date of Government Version: 07/26/2021
Date Data Arrived at EDR: 07/27/2021
Date Made Active in Reports: 10/22/2021
Number of Days to Update: 87

Source: Department of Energy
Telephone: 202-586-3559
Last EDR Contact: 07/26/2022
Next Scheduled EDR Contact: 11/14/2022
Data Release Frequency: Varies

UMTRA: Uranium Mill Tailings Sites

Uranium ore was mined by private companies for federal government use in national defense programs. When the mills shut down, large piles of the sand-like material (mill tailings) remain after uranium has been extracted from the ore. Levels of human exposure to radioactive materials from the piles are low; however, in some cases tailings were used as construction materials before the potential health hazards of the tailings were recognized.

Date of Government Version: 08/30/2019
Date Data Arrived at EDR: 11/15/2019
Date Made Active in Reports: 01/28/2020
Number of Days to Update: 74

Source: Department of Energy
Telephone: 505-845-0011
Last EDR Contact: 08/24/2022
Next Scheduled EDR Contact: 11/28/2022
Data Release Frequency: Varies

LEAD SMELTER 1: Lead Smelter Sites

A listing of former lead smelter site locations.

Date of Government Version: 07/26/2022
Date Data Arrived at EDR: 08/02/2022
Date Made Active in Reports: 08/22/2022
Number of Days to Update: 20

Source: Environmental Protection Agency
Telephone: 703-603-8787
Last EDR Contact: 10/05/2022
Next Scheduled EDR Contact: 01/09/2023
Data Release Frequency: Varies

LEAD SMELTER 2: Lead Smelter Sites

A list of several hundred sites in the U.S. where secondary lead smelting was done from 1931and 1964. These sites may pose a threat to public health through ingestion or inhalation of contaminated soil or dust

Date of Government Version: 04/05/2001
Date Data Arrived at EDR: 10/27/2010
Date Made Active in Reports: 12/02/2010
Number of Days to Update: 36

Source: American Journal of Public Health
Telephone: 703-305-6451
Last EDR Contact: 12/02/2009
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

US AIRS (AFS): Aerometric Information Retrieval System Facility Subsystem (AFS)

The database is a sub-system of Aerometric Information Retrieval System (AIRS). AFS contains compliance data on air pollution point sources regulated by the U.S. EPA and/or state and local air regulatory agencies. This information comes from source reports by various stationary sources of air pollution, such as electric power plants, steel mills, factories, and universities, and provides information about the air pollutants they produce. Action, air program, air program pollutant, and general level plant data. It is used to track emissions and compliance data from industrial plants.

Date of Government Version: 10/12/2016
Date Data Arrived at EDR: 10/26/2016
Date Made Active in Reports: 02/03/2017
Number of Days to Update: 100

Source: EPA
Telephone: 202-564-2496
Last EDR Contact: 09/26/2017
Next Scheduled EDR Contact: 01/08/2018
Data Release Frequency: Annually

US AIRS MINOR: Air Facility System Data

A listing of minor source facilities.

Date of Government Version: 10/12/2016
Date Data Arrived at EDR: 10/26/2016
Date Made Active in Reports: 02/03/2017
Number of Days to Update: 100

Source: EPA
Telephone: 202-564-2496
Last EDR Contact: 09/26/2017
Next Scheduled EDR Contact: 01/08/2018
Data Release Frequency: Annually

MINES VIOLATIONS: MSHA Violation Assessment Data

Mines violation and assessment information. Department of Labor, Mine Safety & Health Administration.

Date of Government Version: 08/01/2022
Date Data Arrived at EDR: 08/02/2022
Date Made Active in Reports: 09/30/2022
Number of Days to Update: 59

Source: DOL, Mine Safety & Health Admi
Telephone: 202-693-9424
Last EDR Contact: 10/04/2022
Next Scheduled EDR Contact: 12/12/2022
Data Release Frequency: Quarterly

US MINES: Mines Master Index File

Contains all mine identification numbers issued for mines active or opened since 1971. The data also includes violation information.

Date of Government Version: 08/03/2022
Date Data Arrived at EDR: 08/17/2022
Date Made Active in Reports: 08/31/2022
Number of Days to Update: 14

Source: Department of Labor, Mine Safety and Health Administration
Telephone: 303-231-5959
Last EDR Contact: 08/17/2022
Next Scheduled EDR Contact: 12/05/2022
Data Release Frequency: Semi-Annually

US MINES 2: Ferrous and Nonferrous Metal Mines Database Listing

This map layer includes ferrous (ferrous metal mines are facilities that extract ferrous metals, such as iron ore or molybdenum) and nonferrous (Nonferrous metal mines are facilities that extract nonferrous metals, such as gold, silver, copper, zinc, and lead) metal mines in the United States.

Date of Government Version: 05/06/2020
Date Data Arrived at EDR: 05/27/2020
Date Made Active in Reports: 08/13/2020
Number of Days to Update: 78

Source: USGS
Telephone: 703-648-7709
Last EDR Contact: 08/17/2022
Next Scheduled EDR Contact: 12/05/2022
Data Release Frequency: Varies

US MINES 3: Active Mines & Mineral Plants Database Listing

Active Mines and Mineral Processing Plant operations for commodities monitored by the Minerals Information Team of the USGS.

Date of Government Version: 04/14/2011
Date Data Arrived at EDR: 06/08/2011
Date Made Active in Reports: 09/13/2011
Number of Days to Update: 97

Source: USGS
Telephone: 703-648-7709
Last EDR Contact: 08/17/2022
Next Scheduled EDR Contact: 12/05/2022
Data Release Frequency: Varies

ABANDONED MINES: Abandoned Mines

An inventory of land and water impacted by past mining (primarily coal mining) is maintained by OSMRE to provide information needed to implement the Surface Mining Control and Reclamation Act of 1977 (SMCRA). The inventory contains information on the location, type, and extent of AML impacts, as well as, information on the cost associated with the reclamation of those problems. The inventory is based upon field surveys by State, Tribal, and OSMRE program officials. It is dynamic to the extent that it is modified as new problems are identified and existing problems are reclaimed.

Date of Government Version: 06/14/2022
Date Data Arrived at EDR: 06/15/2022
Date Made Active in Reports: 08/22/2022
Number of Days to Update: 68

Source: Department of Interior
Telephone: 202-208-2609
Last EDR Contact: 09/13/2022
Next Scheduled EDR Contact: 12/19/2022
Data Release Frequency: Quarterly

FINDS: Facility Index System/Facility Registry System

Facility Index System. FINDS contains both facility information and 'pointers' to other sources that contain more detail. EDR includes the following FINDS databases in this report: PCS (Permit Compliance System), AIRS (Aerometric Information Retrieval System), DOCKET (Enforcement Docket used to manage and track information on civil judicial enforcement cases for all environmental statutes), FURS (Federal Underground Injection Control), C-DOCKET (Criminal Docket System used to track criminal enforcement actions for all environmental statutes), FFIS (Federal Facilities Information System), STATE (State Environmental Laws and Statutes), and PADS (PCB Activity Data System).

Date of Government Version: 08/03/2022
Date Data Arrived at EDR: 08/25/2022
Date Made Active in Reports: 10/24/2022
Number of Days to Update: 60

Source: EPA
Telephone: (415) 947-8000
Last EDR Contact: 08/25/2022
Next Scheduled EDR Contact: 12/12/2022
Data Release Frequency: Quarterly

ECHO: Enforcement & Compliance History Information

ECHO provides integrated compliance and enforcement information for about 800,000 regulated facilities nationwide.

Date of Government Version: 06/25/2022
Date Data Arrived at EDR: 07/01/2022
Date Made Active in Reports: 09/30/2022
Number of Days to Update: 91

Source: Environmental Protection Agency
Telephone: 202-564-2280
Last EDR Contact: 09/30/2022
Next Scheduled EDR Contact: 01/16/2023
Data Release Frequency: Quarterly

DOCKET HWC: Hazardous Waste Compliance Docket Listing
A complete list of the Federal Agency Hazardous Waste Compliance Docket Facilities.

Date of Government Version: 05/06/2021
Date Data Arrived at EDR: 05/21/2021
Date Made Active in Reports: 08/11/2021
Number of Days to Update: 82
Source: Environmental Protection Agency
Telephone: 202-564-0527
Last EDR Contact: 08/22/2022
Next Scheduled EDR Contact: 12/05/2022
Data Release Frequency: Varies

UXO: Unexploded Ordnance Sites
A listing of unexploded ordnance site locations

Date of Government Version: 12/31/2020
Date Data Arrived at EDR: 01/11/2022
Date Made Active in Reports: 02/14/2022
Number of Days to Update: 34
Source: Department of Defense
Telephone: 703-704-1564
Last EDR Contact: 10/05/2022
Next Scheduled EDR Contact: 01/23/2023
Data Release Frequency: Varies

FUELS PROGRAM: EPA Fuels Program Registered Listing
This listing includes facilities that are registered under the Part 80 (Code of Federal Regulations) EPA Fuels Programs. All companies now are required to submit new and updated registrations.

Date of Government Version: 08/11/2022
Date Data Arrived at EDR: 08/11/2022
Date Made Active in Reports: 09/30/2022
Number of Days to Update: 50
Source: EPA
Telephone: 800-385-6164
Last EDR Contact: 08/11/2022
Next Scheduled EDR Contact: 11/28/2022
Data Release Frequency: Quarterly

CA BOND EXP. PLAN: Bond Expenditure Plan
Department of Health Services developed a site-specific expenditure plan as the basis for an appropriation of Hazardous Substance Cleanup Bond Act funds. It is not updated.

Date of Government Version: 01/01/1989
Date Data Arrived at EDR: 07/27/1994
Date Made Active in Reports: 08/02/1994
Number of Days to Update: 6
Source: Department of Health Services
Telephone: 916-255-2118
Last EDR Contact: 05/31/1994
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

CORTESE: "Cortese" Hazardous Waste & Substances Sites List
The sites for the list are designated by the State Water Resource Control Board (LUST), the Integrated Waste Board (SWF/LS), and the Department of Toxic Substances Control (Cal-Sites).

Date of Government Version: 06/21/2022
Date Data Arrived at EDR: 06/21/2022
Date Made Active in Reports: 09/08/2022
Number of Days to Update: 79
Source: CAL EPA/Office of Emergency Information
Telephone: 916-323-3400
Last EDR Contact: 09/19/2022
Next Scheduled EDR Contact: 01/02/2023
Data Release Frequency: Quarterly

CUPA LIVERMORE-PLEASANTON: CUPA Facility Listing
list of facilities associated with the various CUPA programs in Livermore-Pleasanton

Date of Government Version: 12/07/2021
Date Data Arrived at EDR: 05/09/2022
Date Made Active in Reports: 05/17/2022
Number of Days to Update: 8
Source: Livermore-Pleasanton Fire Department
Telephone: 925-454-2361
Last EDR Contact: 08/11/2022
Next Scheduled EDR Contact: 11/21/2022
Data Release Frequency: Varies

DRYCLEAN SOUTH COAST: South Coast Air Quality Management District Drycleaner Listing
A listing of dry cleaners in the South Coast Air Quality Management District

Date of Government Version: 05/20/2022
Date Data Arrived at EDR: 05/20/2022
Date Made Active in Reports: 08/09/2022
Number of Days to Update: 81
Source: South Coast Air Quality Management District
Telephone: 909-396-3211
Last EDR Contact: 08/16/2022
Next Scheduled EDR Contact: 12/05/2022
Data Release Frequency: Varies

DRYCLEANERS: Cleaner Facilities

A list of drycleaner related facilities that have EPA ID numbers. These are facilities with certain SIC codes: power laundries, family and commercial; garment pressing and cleaner's agents; linen supply; coin-operated laundries and cleaning; drycleaning plants, except rugs; carpet and upholster cleaning; industrial launderers; laundry and garment services.

Date of Government Version: 08/27/2021
Date Data Arrived at EDR: 09/01/2021
Date Made Active in Reports: 11/19/2021
Number of Days to Update: 79
Source: Department of Toxic Substance Control
Telephone: 916-327-4498
Last EDR Contact: 09/07/2022
Next Scheduled EDR Contact: 12/12/2022
Data Release Frequency: Annually

DRYCLEAN AVAQMD: Antelope Valley Air Quality Management District Drycleaner Listing

A listing of dry cleaners in the Antelope Valley Air Quality Management District.

Date of Government Version: 05/25/2022
Date Data Arrived at EDR: 05/26/2022
Date Made Active in Reports: 08/11/2022
Number of Days to Update: 77
Source: Antelope Valley Air Quality Management District
Telephone: 661-723-8070
Last EDR Contact: 08/23/2022
Next Scheduled EDR Contact: 12/12/2022
Data Release Frequency: Varies

EMI: Emissions Inventory Data

Toxics and criteria pollutant emissions data collected by the ARB and local air pollution agencies.

Date of Government Version: 12/31/2020
Date Data Arrived at EDR: 06/13/2022
Date Made Active in Reports: 08/30/2022
Number of Days to Update: 78
Source: California Air Resources Board
Telephone: 916-322-2990
Last EDR Contact: 09/16/2022
Next Scheduled EDR Contact: 12/26/2022
Data Release Frequency: Varies

ENF: Enforcement Action Listing

A listing of Water Board Enforcement Actions. Formal is everything except Oral/Verbal Communication, Notice of Violation, Expedited Payment Letter, and Staff Enforcement Letter.

Date of Government Version: 07/12/2022
Date Data Arrived at EDR: 07/18/2022
Date Made Active in Reports: 09/29/2022
Number of Days to Update: 73
Source: State Water Resoruces Control Board
Telephone: 916-445-9379
Last EDR Contact: 10/19/2022
Next Scheduled EDR Contact: 01/30/2023
Data Release Frequency: Varies

Financial Assurance 1: Financial Assurance Information Listing

Financial Assurance information

Date of Government Version: 07/06/2022
Date Data Arrived at EDR: 07/21/2022
Date Made Active in Reports: 10/03/2022
Number of Days to Update: 74
Source: Department of Toxic Substances Control
Telephone: 916-255-3628
Last EDR Contact: 10/11/2022
Next Scheduled EDR Contact: 01/30/2023
Data Release Frequency: Varies

Financial Assurance 2: Financial Assurance Information Listing

A listing of financial assurance information for solid waste facilities. Financial assurance is intended to ensure that resources are available to pay for the cost of closure, post-closure care, and corrective measures if the owner or operator of a regulated facility is unable or unwilling to pay.

Date of Government Version: 08/09/2022
Date Data Arrived at EDR: 08/10/2022
Date Made Active in Reports: 08/30/2022
Number of Days to Update: 20

Source: California Integrated Waste Management Board
Telephone: 916-341-6066
Last EDR Contact: 08/02/2022
Next Scheduled EDR Contact: 11/21/2022
Data Release Frequency: Varies

HAZNET: Facility and Manifest Data

Facility and Manifest Data. The data is extracted from the copies of hazardous waste manifests received each year by the DTSC. The annual volume of manifests is typically 700,000 - 1,000,000 annually, representing approximately 350,000 - 500,000 shipments. Data are from the manifests submitted without correction, and therefore many contain some invalid values for data elements such as generator ID, TSD ID, waste category, and disposal method. This database begins with calendar year 1993.

Date of Government Version: 12/31/2021
Date Data Arrived at EDR: 07/05/2022
Date Made Active in Reports: 09/19/2022
Number of Days to Update: 76

Source: California Environmental Protection Agency
Telephone: 916-255-1136
Last EDR Contact: 09/27/2022
Next Scheduled EDR Contact: 01/16/2023
Data Release Frequency: Annually

ICE: ICE

Contains data pertaining to the Permitted Facilities with Inspections / Enforcements sites tracked in Envirostor.

Date of Government Version: 05/16/2022
Date Data Arrived at EDR: 05/17/2022
Date Made Active in Reports: 08/03/2022
Number of Days to Update: 78

Source: Department of Toxic Subsances Control
Telephone: 877-786-9427
Last EDR Contact: 08/11/2022
Next Scheduled EDR Contact: 11/28/2022
Data Release Frequency: Quarterly

HIST CORTESE: Hazardous Waste & Substance Site List

The sites for the list are designated by the State Water Resource Control Board [LUST], the Integrated Waste Board [SWF/LS], and the Department of Toxic Substances Control [CALSITES]. This listing is no longer updated by the state agency.

Date of Government Version: 04/01/2001
Date Data Arrived at EDR: 01/22/2009
Date Made Active in Reports: 04/08/2009
Number of Days to Update: 76

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 01/22/2009
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

HWP: EnviroStor Permitted Facilities Listing

Detailed information on permitted hazardous waste facilities and corrective action ("cleanups") tracked in EnviroStor.

Date of Government Version: 05/16/2022
Date Data Arrived at EDR: 05/17/2022
Date Made Active in Reports: 08/03/2022
Number of Days to Update: 78

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 08/11/2022
Next Scheduled EDR Contact: 11/28/2022
Data Release Frequency: Quarterly

HWT: Registered Hazardous Waste Transporter Database

A listing of hazardous waste transporters. In California, unless specifically exempted, it is unlawful for any person to transport hazardous wastes unless the person holds a valid registration issued by DTSC. A hazardous waste transporter registration is valid for one year and is assigned a unique registration number.

Date of Government Version: 07/05/2022
Date Data Arrived at EDR: 07/05/2022
Date Made Active in Reports: 09/19/2022
Number of Days to Update: 76

Source: Department of Toxic Substances Control
Telephone: 916-440-7145
Last EDR Contact: 10/03/2022
Next Scheduled EDR Contact: 01/16/2023
Data Release Frequency: Quarterly

MINES: Mines Site Location Listing
A listing of mine site locations from the Office of Mine Reclamation.

Date of Government Version: 06/06/2022
Date Data Arrived at EDR: 06/07/2022
Date Made Active in Reports: 08/23/2022
Number of Days to Update: 77
Source: Department of Conservation
Telephone: 916-322-1080
Last EDR Contact: 08/31/2022
Next Scheduled EDR Contact: 12/19/2022
Data Release Frequency: Quarterly

MWMP: Medical Waste Management Program Listing
The Medical Waste Management Program (MWMP) ensures the proper handling and disposal of medical waste by permitting and inspecting medical waste Offsite Treatment Facilities (PDF) and Transfer Stations (PDF) throughout the state. MWMP also oversees all Medical Waste Transporters.

Date of Government Version: 05/06/2022
Date Data Arrived at EDR: 05/31/2022
Date Made Active in Reports: 08/18/2022
Number of Days to Update: 79
Source: Department of Public Health
Telephone: 916-558-1784
Last EDR Contact: 08/25/2022
Next Scheduled EDR Contact: 12/12/2022
Data Release Frequency: Varies

NPDES: NPDES Permits Listing
A listing of NPDES permits, including stormwater.

Date of Government Version: 08/08/2022
Date Data Arrived at EDR: 08/08/2022
Date Made Active in Reports: 10/20/2022
Number of Days to Update: 73
Source: State Water Resources Control Board
Telephone: 916-445-9379
Last EDR Contact: 08/08/2022
Next Scheduled EDR Contact: 11/21/2022
Data Release Frequency: Quarterly

PEST LIC: Pesticide Regulation Licenses Listing
A listing of licenses and certificates issued by the Department of Pesticide Regulation. The DPR issues licenses and/or certificates to: Persons and businesses that apply or sell pesticides; Pest control dealers and brokers; Persons who advise on agricultural pesticide applications.

Date of Government Version: 05/31/2022
Date Data Arrived at EDR: 05/31/2022
Date Made Active in Reports: 08/18/2022
Number of Days to Update: 79
Source: Department of Pesticide Regulation
Telephone: 916-445-4038
Last EDR Contact: 08/25/2022
Next Scheduled EDR Contact: 12/12/2022
Data Release Frequency: Quarterly

PROC: Certified Processors Database
A listing of certified processors.

Date of Government Version: 06/06/2022
Date Data Arrived at EDR: 06/07/2022
Date Made Active in Reports: 08/23/2022
Number of Days to Update: 77
Source: Department of Conservation
Telephone: 916-323-3836
Last EDR Contact: 08/31/2022
Next Scheduled EDR Contact: 12/19/2022
Data Release Frequency: Quarterly

NOTIFY 65: Proposition 65 Records
Listings of all Proposition 65 incidents reported to counties by the State Water Resources Control Board and the Regional Water Quality Control Board. This database is no longer updated by the reporting agency.

Date of Government Version: 06/10/2022
Date Data Arrived at EDR: 06/10/2022
Date Made Active in Reports: 08/26/2022
Number of Days to Update: 77
Source: State Water Resources Control Board
Telephone: 916-445-3846
Last EDR Contact: 09/07/2022
Next Scheduled EDR Contact: 12/26/2022
Data Release Frequency: No Update Planned

UIC: UIC Listing
A listing of wells identified as underground injection wells, in the California Oil and Gas Wells database.

Date of Government Version: 06/06/2022
Date Data Arrived at EDR: 06/07/2022
Date Made Active in Reports: 08/23/2022
Number of Days to Update: 77
Source: Deaprtment of Conservation
Telephone: 916-445-2408
Last EDR Contact: 08/31/2022
Next Scheduled EDR Contact: 12/19/2022
Data Release Frequency: Varies

UIC GEO: Underground Injection Control Sites (GEOTRACKER)
Underground control injection sites

Date of Government Version: 05/23/2022
Date Data Arrived at EDR: 05/23/2022
Date Made Active in Reports: 06/02/2022
Number of Days to Update: 10
Source: State Water Resource Control Board
Telephone: 866-480-1028
Last EDR Contact: 08/31/2022
Next Scheduled EDR Contact: 12/19/2022
Data Release Frequency: Varies

WASTEWATER PITS: Oil Wastewater Pits Listing
Water officials discovered that oil producers have been dumping chemical-laden wastewater into hundreds of unlined pits that are operating without proper permits. Inspections completed by the Central Valley Regional Water Quality Control Board revealed the existence of previously unidentified waste sites. The water boards review found that more than one-third of the region's active disposal pits are operating without permission.

Date of Government Version: 02/11/2021
Date Data Arrived at EDR: 07/01/2021
Date Made Active in Reports: 09/29/2021
Number of Days to Update: 90
Source: RWQCB, Central Valley Region
Telephone: 559-445-5577
Last EDR Contact: 10/06/2022
Next Scheduled EDR Contact: 01/16/2023
Data Release Frequency: Varies

WDS: Waste Discharge System
Sites which have been issued waste discharge requirements.

Date of Government Version: 06/19/2007
Date Data Arrived at EDR: 06/20/2007
Date Made Active in Reports: 06/29/2007
Number of Days to Update: 9
Source: State Water Resources Control Board
Telephone: 916-341-5227
Last EDR Contact: 08/09/2022
Next Scheduled EDR Contact: 11/28/2022
Data Release Frequency: No Update Planned

WIP: Well Investigation Program Case List
Well Investigation Program case in the San Gabriel and San Fernando Valley area.

Date of Government Version: 07/03/2009
Date Data Arrived at EDR: 07/21/2009
Date Made Active in Reports: 08/03/2009
Number of Days to Update: 13
Source: Los Angeles Water Quality Control Board
Telephone: 213-576-6726
Last EDR Contact: 09/13/2022
Next Scheduled EDR Contact: 01/02/2023
Data Release Frequency: No Update Planned

MILITARY PRIV SITES: Military Privatized Sites (GEOTRACKER)
Military privatized sites

Date of Government Version: 05/23/2022
Date Data Arrived at EDR: 05/23/2022
Date Made Active in Reports: 06/02/2022
Number of Days to Update: 10
Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 08/31/2022
Next Scheduled EDR Contact: 12/19/2022
Data Release Frequency: Varies

PROJECT: Project Sites (GEOTRACKER)
Projects sites

Date of Government Version: 05/23/2022
Date Data Arrived at EDR: 05/23/2022
Date Made Active in Reports: 06/02/2022
Number of Days to Update: 10

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 08/31/2022
Next Scheduled EDR Contact: 12/19/2022
Data Release Frequency: Varies

WDR: Waste Discharge Requirements Listing

In general, the Waste Discharge Requirements (WDRs) Program (sometimes also referred to as the "Non Chapter 15 (Non 15) Program") regulates point discharges that are exempt pursuant to Subsection 20090 of Title 27 and not subject to the Federal Water Pollution Control Act. Exemptions from Title 27 may be granted for nine categories of discharges (e.g., sewage, wastewater, etc.) that meet, and continue to meet, the preconditions listed for each specific exemption. The scope of the WDRs Program also includes the discharge of wastes classified as inert, pursuant to section 20230 of Title 27.

Date of Government Version: 06/06/2022
Date Data Arrived at EDR: 06/07/2022
Date Made Active in Reports: 08/24/2022
Number of Days to Update: 78

Source: State Water Resources Control Board
Telephone: 916-341-5810
Last EDR Contact: 08/31/2022
Next Scheduled EDR Contact: 12/19/2022
Data Release Frequency: Quarterly

CIWQS: California Integrated Water Quality System

The California Integrated Water Quality System (CIWQS) is a computer system used by the State and Regional Water Quality Control Boards to track information about places of environmental interest, manage permits and other orders, track inspections, and manage violations and enforcement activities.

Date of Government Version: 08/16/2022
Date Data Arrived at EDR: 08/17/2022
Date Made Active in Reports: 08/18/2022
Number of Days to Update: 1

Source: State Water Resources Control Board
Telephone: 866-794-4977
Last EDR Contact: 08/17/2022
Next Scheduled EDR Contact: 12/12/2022
Data Release Frequency: Varies

CERS: CalEPA Regulated Site Portal Data

The CalEPA Regulated Site Portal database combines data about environmentally regulated sites and facilities in California into a single database. It combines data from a variety of state and federal databases, and provides an overview of regulated activities across the spectrum of environmental programs for any given location in California. These activities include hazardous materials and waste, state and federal cleanups, impacted ground and surface waters, and toxic materials

Date of Government Version: 07/18/2022
Date Data Arrived at EDR: 07/18/2022
Date Made Active in Reports: 09/30/2022
Number of Days to Update: 74

Source: California Environmental Protection Agency
Telephone: 916-323-2514
Last EDR Contact: 10/17/2022
Next Scheduled EDR Contact: 01/30/2023
Data Release Frequency: Varies

NON-CASE INFO: Non-Case Information Sites (GEOTRACKER)

Non-Case Information sites

Date of Government Version: 05/23/2022
Date Data Arrived at EDR: 05/23/2022
Date Made Active in Reports: 06/02/2022
Number of Days to Update: 10

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 08/31/2022
Next Scheduled EDR Contact: 12/19/2022
Data Release Frequency: Varies

OTHER OIL GAS: Other Oil & Gas Projects Sites (GEOTRACKER)

Other Oil & Gas Projects sites

Date of Government Version: 05/23/2022
Date Data Arrived at EDR: 05/23/2022
Date Made Active in Reports: 06/02/2022
Number of Days to Update: 10

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 08/31/2022
Next Scheduled EDR Contact: 12/19/2022
Data Release Frequency: Varies

PROD WATER PONDS: Produced Water Ponds Sites (GEOTRACKER)
Produced water ponds sites

Date of Government Version: 05/23/2022
Date Data Arrived at EDR: 05/23/2022
Date Made Active in Reports: 06/02/2022
Number of Days to Update: 10
Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 08/31/2022
Next Scheduled EDR Contact: 12/19/2022
Data Release Frequency: Varies

SAMPLING POINT: Sampling Point ? Public Sites (GEOTRACKER)
Sampling point - public sites

Date of Government Version: 05/23/2022
Date Data Arrived at EDR: 05/23/2022
Date Made Active in Reports: 06/02/2022
Number of Days to Update: 10
Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 08/31/2022
Next Scheduled EDR Contact: 12/19/2022
Data Release Frequency: Varies

WELL STIM PROJ: Well Stimulation Project (GEOTRACKER)
Includes areas of groundwater monitoring plans, a depiction of the monitoring network, and the facilities, boundaries, and subsurface characteristics of the oilfield and the features (oil and gas wells, produced water ponds, UIC wells, water supply wells, etc?) being monitored

Date of Government Version: 05/23/2022
Date Data Arrived at EDR: 05/23/2022
Date Made Active in Reports: 06/02/2022
Number of Days to Update: 10
Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 08/31/2022
Next Scheduled EDR Contact: 12/19/2022
Data Release Frequency: Varies

PCS INACTIVE: Listing of Inactive PCS Permits
An inactive permit is a facility that has shut down or is no longer discharging.

Date of Government Version: 11/05/2014
Date Data Arrived at EDR: 01/06/2015
Date Made Active in Reports: 05/06/2015
Number of Days to Update: 120
Source: EPA
Telephone: 202-564-2496
Last EDR Contact: 09/28/2022
Next Scheduled EDR Contact: 01/16/2023
Data Release Frequency: Semi-Annually

PCS ENF: Enforcement data
No description is available for this data

Date of Government Version: 12/31/2014
Date Data Arrived at EDR: 02/05/2015
Date Made Active in Reports: 03/06/2015
Number of Days to Update: 29
Source: EPA
Telephone: 202-564-2497
Last EDR Contact: 09/28/2022
Next Scheduled EDR Contact: 01/16/2023
Data Release Frequency: Varies

HWTS: Hazardous Waste Tracking System
DTSC maintains the Hazardous Waste Tracking System that stores ID number information since the early 1980s and manifest data since 1993. The system collects both manifest copies from the generator and destination facility.

Date of Government Version: 04/05/2022
Date Data Arrived at EDR: 04/05/2022
Date Made Active in Reports: 04/26/2022
Number of Days to Update: 21
Source: Department of Toxic Substances Control
Telephone: 916-324-2444
Last EDR Contact: 10/03/2022
Next Scheduled EDR Contact: 01/16/2023
Data Release Frequency: Varies

MINES MRDS: Mineral Resources Data System
Mineral Resources Data System

Date of Government Version: 04/06/2018
Date Data Arrived at EDR: 10/21/2019
Date Made Active in Reports: 10/24/2019
Number of Days to Update: 3

Source: USGS
Telephone: 703-648-6533
Last EDR Contact: 08/17/2022
Next Scheduled EDR Contact: 12/05/2022
Data Release Frequency: Varies

PCS: Permit Compliance System

PCS is a computerized management information system that contains data on National Pollutant Discharge Elimination System (NPDES) permit holding facilities. PCS tracks the permit, compliance, and enforcement status of NPDES facilities.

Date of Government Version: 07/14/2011
Date Data Arrived at EDR: 08/05/2011
Date Made Active in Reports: 09/29/2011
Number of Days to Update: 55

Source: EPA, Office of Water
Telephone: 202-564-2496
Last EDR Contact: 09/28/2022
Next Scheduled EDR Contact: 01/16/2023
Data Release Frequency: Semi-Annually

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP: EDR Proprietary Manufactured Gas Plants

The EDR Proprietary Manufactured Gas Plant Database includes records of coal gas plants (manufactured gas plants) compiled by EDR's researchers. Manufactured gas sites were used in the United States from the 1800's to 1950's to produce a gas that could be distributed and used as fuel. These plants used whale oil, rosin, coal, or a mixture of coal, oil, and water that also produced a significant amount of waste. Many of the byproducts of the gas production, such as coal tar (oily waste containing volatile and non-volatile chemicals), sludges, oils and other compounds are potentially hazardous to human health and the environment. The byproduct from this process was frequently disposed of directly at the plant site and can remain or spread slowly, serving as a continuous source of soil and groundwater contamination.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

EDR Hist Auto: EDR Exclusive Historical Auto Stations

EDR has searched selected national collections of business directories and has collected listings of potential gas station/filling station/service station sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include gas station/filling station/service station establishments. The categories reviewed included, but were not limited to gas, gas station, gasoline station, filling station, auto, automobile repair, auto service station, service station, etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

EDR Hist Cleaner: EDR Exclusive Historical Cleaners

EDR has searched selected national collections of business directories and has collected listings of potential dry cleaner sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include dry cleaning establishments. The categories reviewed included, but were not limited to dry cleaners, cleaners, laundry, laundromat, cleaning/laundry, wash & dry etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

RGA LF: Recovered Government Archive Solid Waste Facilities List

The EDR Recovered Government Archive Landfill database provides a list of landfills derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the Department of Resources Recycling and Recovery in California.

Date of Government Version: N/A
Date Data Arrived at EDR: 07/01/2013
Date Made Active in Reports: 01/13/2014
Number of Days to Update: 196

Source: Department of Resources Recycling and Recovery
Telephone: N/A
Last EDR Contact: 06/01/2012
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

RGA LUST: Recovered Government Archive Leaking Underground Storage Tank

The EDR Recovered Government Archive Leaking Underground Storage Tank database provides a list of LUST incidents derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the State Water Resources Control Board in California.

Date of Government Version: N/A
Date Data Arrived at EDR: 07/01/2013
Date Made Active in Reports: 12/30/2013
Number of Days to Update: 182

Source: State Water Resources Control Board
Telephone: N/A
Last EDR Contact: 06/01/2012
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

COUNTY RECORDS

ALAMEDA COUNTY:

CS ALAMEDA: Contaminated Sites

A listing of contaminated sites overseen by the Toxic Release Program (oil and groundwater contamination from chemical releases and spills) and the Leaking Underground Storage Tank Program (soil and ground water contamination from leaking petroleum USTs).

Date of Government Version: 01/09/2019
Date Data Arrived at EDR: 01/11/2019
Date Made Active in Reports: 03/05/2019
Number of Days to Update: 53

Source: Alameda County Environmental Health Services
Telephone: 510-567-6700
Last EDR Contact: 09/27/2022
Next Scheduled EDR Contact: 01/16/2023
Data Release Frequency: Semi-Annually

UST ALAMEDA: Underground Tanks

Underground storage tank sites located in Alameda county.

Date of Government Version: 06/29/2022
Date Data Arrived at EDR: 06/29/2022
Date Made Active in Reports: 07/21/2022
Number of Days to Update: 22

Source: Alameda County Environmental Health Services
Telephone: 510-567-6700
Last EDR Contact: 09/27/2022
Next Scheduled EDR Contact: 01/16/2023
Data Release Frequency: Semi-Annually

AMADOR COUNTY:

CUPA AMADOR: CUPA Facility List
Cupa Facility List

Date of Government Version: 07/22/2022
Date Data Arrived at EDR: 07/27/2022
Date Made Active in Reports: 08/01/2022
Number of Days to Update: 5

Source: Amador County Environmental Health
Telephone: 209-223-6439
Last EDR Contact: 07/26/2022
Next Scheduled EDR Contact: 11/14/2022
Data Release Frequency: Varies

BUTTE COUNTY:

CUPA BUTTE: CUPA Facility Listing
Cupa facility list.

Date of Government Version: 04/21/2017
Date Data Arrived at EDR: 04/25/2017
Date Made Active in Reports: 08/09/2017
Number of Days to Update: 106

Source: Public Health Department
Telephone: 530-538-7149
Last EDR Contact: 09/27/2022
Next Scheduled EDR Contact: 01/16/2023
Data Release Frequency: No Update Planned

CALVERAS COUNTY:

CUPA CALVERAS: CUPA Facility Listing
Cupa Facility Listing

Date of Government Version: 06/14/2022
Date Data Arrived at EDR: 06/15/2022
Date Made Active in Reports: 09/02/2022
Number of Days to Update: 79

Source: Calveras County Environmental Health
Telephone: 209-754-6399
Last EDR Contact: 09/27/2022
Next Scheduled EDR Contact: 01/02/2023
Data Release Frequency: Quarterly

COLUSA COUNTY:

CUPA COLUSA: CUPA Facility List
Cupa facility list.

Date of Government Version: 04/06/2020
Date Data Arrived at EDR: 04/23/2020
Date Made Active in Reports: 07/10/2020
Number of Days to Update: 78

Source: Health & Human Services
Telephone: 530-458-0396
Last EDR Contact: 07/26/2022
Next Scheduled EDR Contact: 11/14/2022
Data Release Frequency: Semi-Annually

CONTRA COSTA COUNTY:

SL CONTRA COSTA: Site List
List includes sites from the underground tank, hazardous waste generator and business plan/2185 programs.

Date of Government Version: 07/20/2022
Date Data Arrived at EDR: 07/20/2022
Date Made Active in Reports: 10/03/2022
Number of Days to Update: 75

Source: Contra Costa Health Services Department
Telephone: 925-646-2286
Last EDR Contact: 10/20/2022
Next Scheduled EDR Contact: 02/06/2023
Data Release Frequency: Semi-Annually

DEL NORTE COUNTY:

CUPA DEL NORTE: CUPA Facility List
Cupa Facility list

Date of Government Version: 05/04/2022
Date Data Arrived at EDR: 05/06/2022
Date Made Active in Reports: 07/28/2022
Number of Days to Update: 83

Source: Del Norte County Environmental Health Division
Telephone: 707-465-0426
Last EDR Contact: 10/20/2022
Next Scheduled EDR Contact: 02/06/2023
Data Release Frequency: Varies

EL DORADO COUNTY:

CUPA EL DORADO: CUPA Facility List
CUPA facility list.

Date of Government Version: 08/08/2022
Date Data Arrived at EDR: 08/09/2022
Date Made Active in Reports: 09/01/2022
Number of Days to Update: 23

Source: El Dorado County Environmental Management Department
Telephone: 530-621-6623
Last EDR Contact: 10/20/2022
Next Scheduled EDR Contact: 02/06/2023
Data Release Frequency: Varies

FRESNO COUNTY:

CUPA FRESNO: CUPA Resources List
Certified Unified Program Agency. CUPA's are responsible for implementing a unified hazardous materials and hazardous waste management regulatory program. The agency provides oversight of businesses that deal with hazardous materials, operate underground storage tanks or aboveground storage tanks.

Date of Government Version: 06/28/2021
Date Data Arrived at EDR: 12/21/2021
Date Made Active in Reports: 03/03/2022
Number of Days to Update: 72

Source: Dept. of Community Health
Telephone: 559-445-3271
Last EDR Contact: 09/30/2022
Next Scheduled EDR Contact: 01/09/2023
Data Release Frequency: Semi-Annually

GLENN COUNTY:

CUPA GLENN: CUPA Facility List
Cupa facility list

Date of Government Version: 01/22/2018
Date Data Arrived at EDR: 01/24/2018
Date Made Active in Reports: 03/14/2018
Number of Days to Update: 49

Source: Glenn County Air Pollution Control District
Telephone: 830-934-6500
Last EDR Contact: 10/11/2022
Next Scheduled EDR Contact: 01/30/2023
Data Release Frequency: No Update Planned

HUMBOLDT COUNTY:

CUPA HUMBOLDT: CUPA Facility List
CUPA facility list.

Date of Government Version: 08/12/2021
Date Data Arrived at EDR: 08/12/2021
Date Made Active in Reports: 11/08/2021
Number of Days to Update: 88

Source: Humboldt County Environmental Health
Telephone: N/A
Last EDR Contact: 08/09/2022
Next Scheduled EDR Contact: 11/28/2022
Data Release Frequency: Semi-Annually

IMPERIAL COUNTY:

CUPA IMPERIAL: CUPA Facility List
Cupa facility list.

Date of Government Version: 07/13/2022
Date Data Arrived at EDR: 07/14/2022
Date Made Active in Reports: 09/29/2022
Number of Days to Update: 77

Source: San Diego Border Field Office
Telephone: 760-339-2777
Last EDR Contact: 10/11/2022
Next Scheduled EDR Contact: 01/30/2023
Data Release Frequency: Varies

INYO COUNTY:

CUPA INYO: CUPA Facility List
Cupa facility list.

Date of Government Version: 04/02/2018
Date Data Arrived at EDR: 04/03/2018
Date Made Active in Reports: 06/14/2018
Number of Days to Update: 72

Source: Inyo County Environmental Health Services
Telephone: 760-878-0238
Last EDR Contact: 08/09/2022
Next Scheduled EDR Contact: 11/28/2022
Data Release Frequency: Varies

KERN COUNTY:

CUPA KERN: CUPA Facility List
A listing of sites included in the Kern County Hazardous Material Business Plan.

Date of Government Version: 05/06/2022
Date Data Arrived at EDR: 05/12/2022
Date Made Active in Reports: 08/01/2022
Number of Days to Update: 81

Source: Kern County Public Health
Telephone: 661-321-3000
Last EDR Contact: 09/21/2022
Next Scheduled EDR Contact: 11/14/2022
Data Release Frequency: Varies

UST KERN: Underground Storage Tank Sites & Tank Listing
Kern County Sites and Tanks Listing.

Date of Government Version: 05/06/2022
Date Data Arrived at EDR: 05/12/2022
Date Made Active in Reports: 08/01/2022
Number of Days to Update: 81

Source: Kern County Environment Health Services Department
Telephone: 661-862-8700
Last EDR Contact: 09/21/2022
Next Scheduled EDR Contact: 11/14/2022
Data Release Frequency: Quarterly

KINGS COUNTY:

CUPA KINGS: CUPA Facility List
A listing of sites included in the county's Certified Unified Program Agency database. California's Secretary for Environmental Protection established the unified hazardous materials and hazardous waste regulatory program as required by chapter 6.11 of the California Health and Safety Code. The Unified Program consolidates the administration, permits, inspections, and enforcement activities.

Date of Government Version: 12/03/2020
Date Data Arrived at EDR: 01/26/2021
Date Made Active in Reports: 04/14/2021
Number of Days to Update: 78

Source: Kings County Department of Public Health
Telephone: 559-584-1411
Last EDR Contact: 08/09/2022
Next Scheduled EDR Contact: 11/28/2022
Data Release Frequency: Varies

LAKE COUNTY:

CUPA LAKE: CUPA Facility List
Cupa facility list

Date of Government Version: 07/22/2022
Date Data Arrived at EDR: 07/25/2022
Date Made Active in Reports: 10/05/2022
Number of Days to Update: 72

Source: Lake County Environmental Health
Telephone: 707-263-1164
Last EDR Contact: 10/04/2022
Next Scheduled EDR Contact: 01/23/2023
Data Release Frequency: Varies

LASSEN COUNTY:

CUPA LASSEN: CUPA Facility List
Cupa facility list

Date of Government Version: 07/31/2020
Date Data Arrived at EDR: 08/21/2020
Date Made Active in Reports: 11/09/2020
Number of Days to Update: 80

Source: Lassen County Environmental Health
Telephone: 530-251-8528
Last EDR Contact: 10/11/2022
Next Scheduled EDR Contact: 01/30/2023
Data Release Frequency: Varies

LOS ANGELES COUNTY:

AOCONCERN: Key Areas of Concerns in Los Angeles County
San Gabriel Valley areas where VOC contamination is at or above the MCL as designated by region 9 EPA office. Date of Government Version: 3/30/2009 Exide Site area is a cleanup plan of lead-impacted soil surrounding the former Exide Facility as designated by the DTSC. Date of Government Version: 7/17/2017

Date of Government Version: 03/30/2009
Date Data Arrived at EDR: 03/31/2009
Date Made Active in Reports: 10/23/2009
Number of Days to Update: 206

Source: N/A
Telephone: N/A
Last EDR Contact: 09/07/2022
Next Scheduled EDR Contact: 12/26/2022
Data Release Frequency: No Update Planned

HMS LOS ANGELES: HMS: Street Number List
Industrial Waste and Underground Storage Tank Sites.

Date of Government Version: 07/06/2022
Date Data Arrived at EDR: 07/07/2022
Date Made Active in Reports: 09/21/2022
Number of Days to Update: 76

Source: Department of Public Works
Telephone: 626-458-3517
Last EDR Contact: 09/27/2022
Next Scheduled EDR Contact: 01/16/2023
Data Release Frequency: Semi-Annually

LF LOS ANGELES: List of Solid Waste Facilities
Solid Waste Facilities in Los Angeles County.

Date of Government Version: 07/11/2022
Date Data Arrived at EDR: 07/11/2022
Date Made Active in Reports: 09/23/2022
Number of Days to Update: 74

Source: La County Department of Public Works
Telephone: 818-458-5185
Last EDR Contact: 10/07/2022
Next Scheduled EDR Contact: 01/23/2023
Data Release Frequency: Varies

LF LOS ANGELES CITY: City of Los Angeles Landfills
Landfills owned and maintained by the City of Los Angeles.

Date of Government Version: 01/01/2022
Date Data Arrived at EDR: 01/21/2022
Date Made Active in Reports: 04/11/2022
Number of Days to Update: 80

Source: Engineering & Construction Division
Telephone: 213-473-7869
Last EDR Contact: 10/04/2022
Next Scheduled EDR Contact: 01/23/2023
Data Release Frequency: Varies

LOS ANGELES AST: Active & Inactive AST Inventory
A listing of active & inactive above ground petroleum storage tank site locations, located in the City of Los Angeles.

Date of Government Version: 06/01/2019
Date Data Arrived at EDR: 06/25/2019
Date Made Active in Reports: 08/22/2019
Number of Days to Update: 58

Source: Los Angeles Fire Department
Telephone: 213-978-3800
Last EDR Contact: 09/19/2022
Next Scheduled EDR Contact: 01/02/2023
Data Release Frequency: Varies

LOS ANGELES CO LF METHANE: Methane Producing Landfills
This data was created on April 30, 2012 to represent known disposal sites in Los Angeles County that may produce and emanate methane gas. The shapefile contains disposal sites within Los Angeles County that once accepted degradable refuse material. Information used to create this data was extracted from a landfill survey performed by County Engineers (Major Waste System Map, 1973) as well as historical records from CalRecycle, Regional Water Quality Control Board, and Los Angeles County Department of Public Health

Date of Government Version: 01/10/2022
Date Data Arrived at EDR: 01/12/2022
Date Made Active in Reports: 04/04/2022
Number of Days to Update: 82

Source: Los Angeles County Department of Public Works
Telephone: 626-458-6973
Last EDR Contact: 10/04/2022
Next Scheduled EDR Contact: 01/23/2023
Data Release Frequency: No Update Planned

LOS ANGELES HM: Active & Inactive Hazardous Materials Inventory
A listing of active & inactive hazardous materials facility locations, located in the City of Los Angeles.

Date of Government Version: 01/13/2022
Date Data Arrived at EDR: 03/21/2022
Date Made Active in Reports: 06/15/2022
Number of Days to Update: 86

Source: Los Angeles Fire Department
Telephone: 213-978-3800
Last EDR Contact: 09/20/2022
Next Scheduled EDR Contact: 01/02/2023
Data Release Frequency: Varies

LOS ANGELES UST: Active & Inactive UST Inventory
A listing of active & inactive underground storage tank site locations and underground storage tank historical sites, located in the City of Los Angeles.

Date of Government Version: 03/22/2022
Date Data Arrived at EDR: 06/24/2022
Date Made Active in Reports: 09/08/2022
Number of Days to Update: 76

Source: Los Angeles Fire Department
Telephone: 213-978-3800
Last EDR Contact: 09/20/2022
Next Scheduled EDR Contact: 01/02/2023
Data Release Frequency: Varies

SITE MIT LOS ANGELES: Site Mitigation List
Industrial sites that have had some sort of spill or complaint.

Date of Government Version: 05/26/2021
Date Data Arrived at EDR: 07/09/2021
Date Made Active in Reports: 09/29/2021
Number of Days to Update: 82

Source: Community Health Services
Telephone: 323-890-7806
Last EDR Contact: 10/20/2022
Next Scheduled EDR Contact: 01/30/2023
Data Release Frequency: Annually

UST EL SEGUNDO: City of El Segundo Underground Storage Tank
Underground storage tank sites located in El Segundo city.

Date of Government Version: 01/21/2017
Date Data Arrived at EDR: 04/19/2017
Date Made Active in Reports: 05/10/2017
Number of Days to Update: 21

Source: City of El Segundo Fire Department
Telephone: 310-524-2236
Last EDR Contact: 10/04/2022
Next Scheduled EDR Contact: 01/23/2023
Data Release Frequency: No Update Planned

UST LONG BEACH: City of Long Beach Underground Storage Tank
Underground storage tank sites located in the city of Long Beach.

Date of Government Version: 04/22/2019
Date Data Arrived at EDR: 04/23/2019
Date Made Active in Reports: 06/27/2019
Number of Days to Update: 65

Source: City of Long Beach Fire Department
Telephone: 562-570-2563
Last EDR Contact: 10/11/2022
Next Scheduled EDR Contact: 01/30/2023
Data Release Frequency: Varies

UST TORRANCE: City of Torrance Underground Storage Tank
Underground storage tank sites located in the city of Torrance.

Date of Government Version: 04/22/2022
Date Data Arrived at EDR: 07/19/2022
Date Made Active in Reports: 09/30/2022
Number of Days to Update: 73

Source: City of Torrance Fire Department
Telephone: 310-618-2973
Last EDR Contact: 10/11/2022
Next Scheduled EDR Contact: 01/30/2023
Data Release Frequency: Semi-Annually

MADERA COUNTY:

CUPA MADERA: CUPA Facility List
A listing of sites included in the county's Certified Unified Program Agency database. California's Secretary for Environmental Protection established the unified hazardous materials and hazardous waste regulatory program as required by chapter 6.11 of the California Health and Safety Code. The Unified Program consolidates the administration, permits, inspections, and enforcement activities.

Date of Government Version: 08/10/2020
Date Data Arrived at EDR: 08/12/2020
Date Made Active in Reports: 10/23/2020
Number of Days to Update: 72

Source: Madera County Environmental Health
Telephone: 559-675-7823
Last EDR Contact: 08/09/2022
Next Scheduled EDR Contact: 11/28/2022
Data Release Frequency: Varies

MARIN COUNTY:

UST MARIN: Underground Storage Tank Sites
Currently permitted USTs in Marin County.

Date of Government Version: 09/26/2018
Date Data Arrived at EDR: 10/04/2018
Date Made Active in Reports: 11/02/2018
Number of Days to Update: 29

Source: Public Works Department Waste Management
Telephone: 415-473-6647
Last EDR Contact: 09/21/2022
Next Scheduled EDR Contact: 01/10/2023
Data Release Frequency: Semi-Annually

MENDOCINO COUNTY:

UST MENDOCINO: Mendocino County UST Database
A listing of underground storage tank locations in Mendocino County.

Date of Government Version: 09/22/2021
Date Data Arrived at EDR: 11/18/2021
Date Made Active in Reports: 11/22/2021
Number of Days to Update: 4

Source: Department of Public Health
Telephone: 707-463-4466
Last EDR Contact: 08/16/2022
Next Scheduled EDR Contact: 12/05/2022
Data Release Frequency: Annually

MERCED COUNTY:

CUPA MERCED: CUPA Facility List
CUPA facility list.

Date of Government Version: 02/15/2022
Date Data Arrived at EDR: 02/17/2022
Date Made Active in Reports: 05/11/2022
Number of Days to Update: 83

Source: Merced County Environmental Health
Telephone: 209-381-1094
Last EDR Contact: 08/09/2022
Next Scheduled EDR Contact: 11/28/2022
Data Release Frequency: Varies

MONO COUNTY:

CUPA MONO: CUPA Facility List
CUPA Facility List

Date of Government Version: 02/22/2021
Date Data Arrived at EDR: 03/02/2021
Date Made Active in Reports: 05/19/2021
Number of Days to Update: 78

Source: Mono County Health Department
Telephone: 760-932-5580
Last EDR Contact: 08/15/2022
Next Scheduled EDR Contact: 12/05/2022
Data Release Frequency: Varies

MONTEREY COUNTY:

CUPA MONTEREY: CUPA Facility Listing
CUPA Program listing from the Environmental Health Division.

Date of Government Version: 10/04/2021
Date Data Arrived at EDR: 10/06/2021
Date Made Active in Reports: 12/29/2021
Number of Days to Update: 84

Source: Monterey County Health Department
Telephone: 831-796-1297
Last EDR Contact: 10/04/2022
Next Scheduled EDR Contact: 01/10/2023
Data Release Frequency: Varies

NAPA COUNTY:

LUST NAPA: Sites With Reported Contamination
A listing of leaking underground storage tank sites located in Napa county.

Date of Government Version: 01/09/2017
Date Data Arrived at EDR: 01/11/2017
Date Made Active in Reports: 03/02/2017
Number of Days to Update: 50

Source: Napa County Department of Environmental Management
Telephone: 707-253-4269
Last EDR Contact: 08/15/2022
Next Scheduled EDR Contact: 12/05/2022
Data Release Frequency: No Update Planned

UST NAPA: Closed and Operating Underground Storage Tank Sites
Underground storage tank sites located in Napa county.

Date of Government Version: 09/05/2019
Date Data Arrived at EDR: 09/09/2019
Date Made Active in Reports: 10/31/2019
Number of Days to Update: 52

Source: Napa County Department of Environmental Management
Telephone: 707-253-4269
Last EDR Contact: 08/15/2022
Next Scheduled EDR Contact: 12/05/2022
Data Release Frequency: No Update Planned

NEVADA COUNTY:

CUPA NEVADA: CUPA Facility List
CUPA facility list.

Date of Government Version: 07/21/2022
Date Data Arrived at EDR: 07/25/2022
Date Made Active in Reports: 07/28/2022
Number of Days to Update: 3

Source: Community Development Agency
Telephone: 530-265-1467
Last EDR Contact: 10/20/2022
Next Scheduled EDR Contact: 02/06/2023
Data Release Frequency: Varies

ORANGE COUNTY:

IND_SITE ORANGE: List of Industrial Site Cleanups
Petroleum and non-petroleum spills.

Date of Government Version: 04/08/2022
Date Data Arrived at EDR: 05/09/2022
Date Made Active in Reports: 07/28/2022
Number of Days to Update: 80

Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 07/29/2022
Next Scheduled EDR Contact: 11/14/2022
Data Release Frequency: Annually

LUST ORANGE: List of Underground Storage Tank Cleanups
Orange County Underground Storage Tank Cleanups (LUST).

Date of Government Version: 04/08/2022
Date Data Arrived at EDR: 05/18/2022
Date Made Active in Reports: 08/03/2022
Number of Days to Update: 77

Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 07/29/2022
Next Scheduled EDR Contact: 11/14/2022
Data Release Frequency: Quarterly

UST ORANGE: List of Underground Storage Tank Facilities
Orange County Underground Storage Tank Facilities (UST).

Date of Government Version: 05/24/2022
Date Data Arrived at EDR: 08/01/2022
Date Made Active in Reports: 10/20/2022
Number of Days to Update: 80

Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 08/01/2022
Next Scheduled EDR Contact: 11/14/2022
Data Release Frequency: Quarterly

PLACER COUNTY:

MS PLACER: Master List of Facilities
List includes aboveground tanks, underground tanks and cleanup sites.

Date of Government Version: 05/25/2022
Date Data Arrived at EDR: 05/26/2022
Date Made Active in Reports: 06/01/2022
Number of Days to Update: 6

Source: Placer County Health and Human Services
Telephone: 530-745-2363
Last EDR Contact: 08/23/2022
Next Scheduled EDR Contact: 12/12/2022
Data Release Frequency: Semi-Annually

PLUMAS COUNTY:

CUPA PLUMAS: CUPA Facility List
Plumas County CUPA Program facilities.

Date of Government Version: 03/31/2019
Date Data Arrived at EDR: 04/23/2019
Date Made Active in Reports: 06/26/2019
Number of Days to Update: 64

Source: Plumas County Environmental Health
Telephone: 530-283-6355
Last EDR Contact: 10/11/2022
Next Scheduled EDR Contact: 01/30/2023
Data Release Frequency: Varies

RIVERSIDE COUNTY:

LUST RIVERSIDE: Listing of Underground Tank Cleanup Sites
Riverside County Underground Storage Tank Cleanup Sites (LUST).

Date of Government Version: 07/07/2022
Date Data Arrived at EDR: 07/08/2022
Date Made Active in Reports: 09/21/2022
Number of Days to Update: 75

Source: Department of Environmental Health
Telephone: 951-358-5055
Last EDR Contact: 09/07/2022
Next Scheduled EDR Contact: 12/26/2022
Data Release Frequency: Quarterly

UST RIVERSIDE: Underground Storage Tank Tank List
Underground storage tank sites located in Riverside county.

Date of Government Version: 07/07/2022
Date Data Arrived at EDR: 07/08/2022
Date Made Active in Reports: 09/21/2022
Number of Days to Update: 75

Source: Department of Environmental Health
Telephone: 951-358-5055
Last EDR Contact: 09/07/2022
Next Scheduled EDR Contact: 12/26/2022
Data Release Frequency: Quarterly

SACRAMENTO COUNTY:

CS SACRAMENTO: Toxic Site Clean-Up List
List of sites where unauthorized releases of potentially hazardous materials have occurred.

Date of Government Version: 06/18/2021
Date Data Arrived at EDR: 09/28/2021
Date Made Active in Reports: 12/14/2021
Number of Days to Update: 77

Source: Sacramento County Environmental Management
Telephone: 916-875-8406
Last EDR Contact: 09/30/2022
Next Scheduled EDR Contact: 01/09/2023
Data Release Frequency: Quarterly

ML SACRAMENTO: Master Hazardous Materials Facility List
Any business that has hazardous materials on site - hazardous material storage sites, underground storage tanks, waste generators.

Date of Government Version: 05/04/2022
Date Data Arrived at EDR: 06/30/2022
Date Made Active in Reports: 07/05/2022
Number of Days to Update: 5

Source: Sacramento County Environmental Management
Telephone: 916-875-8406
Last EDR Contact: 09/26/2022
Next Scheduled EDR Contact: 01/10/2023
Data Release Frequency: Quarterly

SAN BENITO COUNTY:

CUPA SAN BENITO: CUPA Facility List
Cupa facility list

Date of Government Version: 07/27/2022
Date Data Arrived at EDR: 07/27/2022
Date Made Active in Reports: 10/11/2022
Number of Days to Update: 76

Source: San Benito County Environmental Health
Telephone: N/A
Last EDR Contact: 07/26/2022
Next Scheduled EDR Contact: 11/14/2022
Data Release Frequency: Varies

SAN BERNARDINO COUNTY:

PERMITS SAN BERNARDINO: Hazardous Material Permits
This listing includes underground storage tanks, medical waste handlers/generators, hazardous materials handlers, hazardous waste generators, and waste oil generators/handlers.

Date of Government Version: 05/12/2022
Date Data Arrived at EDR: 05/12/2022
Date Made Active in Reports: 05/18/2022
Number of Days to Update: 6

Source: San Bernardino County Fire Department Hazardous Materials Division
Telephone: 909-387-3041
Last EDR Contact: 07/26/2022
Next Scheduled EDR Contact: 11/14/2022
Data Release Frequency: Quarterly

SAN DIEGO COUNTY:

HMMD SAN DIEGO: Hazardous Materials Management Division Database

The database includes: HE58 - This report contains the business name, site address, business phone number, establishment 'H' permit number, type of permit, and the business status. HE17 - In addition to providing the same information provided in the HE58 listing, HE17 provides inspection dates, violations received by the establishment, hazardous waste generated, the quantity, method of storage, treatment/disposal of waste and the hauler, and information on underground storage tanks. Unauthorized Release List - Includes a summary of environmental contamination cases in San Diego County (underground tank cases, non-tank cases, groundwater contamination, and soil contamination are included.)

Date of Government Version: 05/31/2022
Date Data Arrived at EDR: 05/31/2022
Date Made Active in Reports: 08/18/2022
Number of Days to Update: 79

Source: Hazardous Materials Management Division
Telephone: 619-338-2268
Last EDR Contact: 08/25/2022
Next Scheduled EDR Contact: 12/12/2022
Data Release Frequency: Quarterly

LF SAN DIEGO: Solid Waste Facilities

San Diego County Solid Waste Facilities.

Date of Government Version: 10/27/2021
Date Data Arrived at EDR: 03/04/2022
Date Made Active in Reports: 05/31/2022
Number of Days to Update: 88

Source: Department of Health Services
Telephone: 619-338-2209
Last EDR Contact: 10/11/2022
Next Scheduled EDR Contact: 01/30/2023
Data Release Frequency: Varies

SAN DIEGO CO LOP: Local Oversight Program Listing

A listing of all LOP release sites that are or were under the County of San Diego's jurisdiction. Included are closed or transferred cases, open cases, and cases that did not have a case type indicated. The cases without a case type are mostly complaints; however, some of them could be LOP cases.

Date of Government Version: 07/22/2021
Date Data Arrived at EDR: 10/19/2021
Date Made Active in Reports: 01/13/2022
Number of Days to Update: 86

Source: Department of Environmental Health
Telephone: 858-505-6874
Last EDR Contact: 10/11/2022
Next Scheduled EDR Contact: 01/30/2023
Data Release Frequency: Varies

SAN DIEGO CO SAM: Environmental Case Listing

The listing contains all underground tank release cases and projects pertaining to properties contaminated with hazardous substances that are actively under review by the Site Assessment and Mitigation Program.

Date of Government Version: 03/23/2010
Date Data Arrived at EDR: 06/15/2010
Date Made Active in Reports: 07/09/2010
Number of Days to Update: 24

Source: San Diego County Department of Environmental Health
Telephone: 619-338-2371
Last EDR Contact: 08/23/2022
Next Scheduled EDR Contact: 12/12/2022
Data Release Frequency: No Update Planned

SAN FRANCISCO COUNTY:

CUPA SAN FRANCISCO CO: CUPA Facility Listing

Cupa facilities

Date of Government Version: 08/04/2022
Date Data Arrived at EDR: 08/04/2022
Date Made Active in Reports: 10/20/2022
Number of Days to Update: 77

Source: San Francisco County Department of Environmental Health
Telephone: 415-252-3896
Last EDR Contact: 07/26/2022
Next Scheduled EDR Contact: 11/14/2022
Data Release Frequency: Varies

LUST SAN FRANCISCO: Local Oversite Facilities
A listing of leaking underground storage tank sites located in San Francisco county.

Date of Government Version: 09/19/2008
Date Data Arrived at EDR: 09/19/2008
Date Made Active in Reports: 09/29/2008
Number of Days to Update: 10

Source: Department Of Public Health San Francisco County
Telephone: 415-252-3920
Last EDR Contact: 07/26/2022
Next Scheduled EDR Contact: 11/14/2022
Data Release Frequency: No Update Planned

UST SAN FRANCISCO: Underground Storage Tank Information
Underground storage tank sites located in San Francisco county.

Date of Government Version: 08/04/2022
Date Data Arrived at EDR: 08/04/2022
Date Made Active in Reports: 10/20/2022
Number of Days to Update: 77

Source: Department of Public Health
Telephone: 415-252-3920
Last EDR Contact: 07/26/2022
Next Scheduled EDR Contact: 11/14/2022
Data Release Frequency: Quarterly

SAN FRANCISO COUNTY:

SAN FRANCISCO MAHER: Maher Ordinance Property Listing
a listing of properties that fall within a Maher Ordinance, for all of San Francisco

Date of Government Version: 01/18/2022
Date Data Arrived at EDR: 01/20/2022
Date Made Active in Reports: 04/27/2022
Number of Days to Update: 97

Source: San Francisco Planning
Telephone: 628-652-7483
Last EDR Contact: 10/07/2022
Next Scheduled EDR Contact: 01/30/2023
Data Release Frequency: Varies

SAN JOAQUIN COUNTY:

UST SAN JOAQUIN: San Joaquin Co. UST
A listing of underground storage tank locations in San Joaquin county.

Date of Government Version: 06/22/2018
Date Data Arrived at EDR: 06/26/2018
Date Made Active in Reports: 07/11/2018
Number of Days to Update: 15

Source: Environmental Health Department
Telephone: N/A
Last EDR Contact: 09/07/2022
Next Scheduled EDR Contact: 12/26/2022
Data Release Frequency: Semi-Annually

SAN LUIS OBISPO COUNTY:

CUPA SAN LUIS OBISPO: CUPA Facility List
Cupa Facility List.

Date of Government Version: 05/16/2022
Date Data Arrived at EDR: 05/18/2022
Date Made Active in Reports: 08/04/2022
Number of Days to Update: 78

Source: San Luis Obispo County Public Health Department
Telephone: 805-781-5596
Last EDR Contact: 08/09/2022
Next Scheduled EDR Contact: 11/28/2022
Data Release Frequency: Varies

SAN MATEO COUNTY:

BI SAN MATEO: Business Inventory
List includes Hazardous Materials Business Plan, hazardous waste generators, and underground storage tanks.

Date of Government Version: 02/20/2020
Date Data Arrived at EDR: 02/20/2020
Date Made Active in Reports: 04/24/2020
Number of Days to Update: 64
Source: San Mateo County Environmental Health Services Division
Telephone: 650-363-1921
Last EDR Contact: 09/09/2022
Next Scheduled EDR Contact: 12/19/2022
Data Release Frequency: Annually

LUST SAN MATEO: Fuel Leak List
A listing of leaking underground storage tank sites located in San Mateo county.

Date of Government Version: 03/29/2019
Date Data Arrived at EDR: 03/29/2019
Date Made Active in Reports: 05/29/2019
Number of Days to Update: 61
Source: San Mateo County Environmental Health Services Division
Telephone: 650-363-1921
Last EDR Contact: 08/29/2022
Next Scheduled EDR Contact: 12/19/2022
Data Release Frequency: Semi-Annually

SANTA BARBARA COUNTY:

CUPA SANTA BARBARA: CUPA Facility Listing
CUPA Program Listing from the Environmental Health Services division.

Date of Government Version: 09/08/2011
Date Data Arrived at EDR: 09/09/2011
Date Made Active in Reports: 10/07/2011
Number of Days to Update: 28
Source: Santa Barbara County Public Health Department
Telephone: 805-686-8167
Last EDR Contact: 08/09/2022
Next Scheduled EDR Contact: 11/28/2022
Data Release Frequency: No Update Planned

SANTA CLARA COUNTY:

CUPA SANTA CLARA: Cupa Facility List
Cupa facility list

Date of Government Version: 05/16/2022
Date Data Arrived at EDR: 05/18/2022
Date Made Active in Reports: 08/04/2022
Number of Days to Update: 78
Source: Department of Environmental Health
Telephone: 408-918-1973
Last EDR Contact: 08/09/2022
Next Scheduled EDR Contact: 11/28/2022
Data Release Frequency: Varies

HIST LUST SANTA CLARA: HIST LUST - Fuel Leak Site Activity Report
A listing of open and closed leaking underground storage tanks. This listing is no longer updated by the county. Leaking underground storage tanks are now handled by the Department of Environmental Health.

Date of Government Version: 03/29/2005
Date Data Arrived at EDR: 03/30/2005
Date Made Active in Reports: 04/21/2005
Number of Days to Update: 22
Source: Santa Clara Valley Water District
Telephone: 408-265-2600
Last EDR Contact: 03/23/2009
Next Scheduled EDR Contact: 06/22/2009
Data Release Frequency: No Update Planned

LUST SANTA CLARA: LOP Listing
A listing of leaking underground storage tanks located in Santa Clara county.

Date of Government Version: 03/03/2014
Date Data Arrived at EDR: 03/05/2014
Date Made Active in Reports: 03/18/2014
Number of Days to Update: 13
Source: Department of Environmental Health
Telephone: 408-918-3417
Last EDR Contact: 08/15/2022
Next Scheduled EDR Contact: 12/05/2022
Data Release Frequency: No Update Planned

SAN JOSE HAZMAT: Hazardous Material Facilities
Hazardous material facilities, including underground storage tank sites.

Date of Government Version: 11/03/2020
Date Data Arrived at EDR: 11/05/2020
Date Made Active in Reports: 01/26/2021
Number of Days to Update: 82

Source: City of San Jose Fire Department
Telephone: 408-535-7694
Last EDR Contact: 07/26/2022
Next Scheduled EDR Contact: 11/14/2022
Data Release Frequency: Annually

SANTA CRUZ COUNTY:

CUPA SANTA CRUZ: CUPA Facility List
CUPA facility listing.

Date of Government Version: 01/21/2017
Date Data Arrived at EDR: 02/22/2017
Date Made Active in Reports: 05/23/2017
Number of Days to Update: 90

Source: Santa Cruz County Environmental Health
Telephone: 831-464-2761
Last EDR Contact: 08/09/2022
Next Scheduled EDR Contact: 11/28/2022
Data Release Frequency: Varies

SHASTA COUNTY:

CUPA SHASTA: CUPA Facility List
Cupa Facility List.

Date of Government Version: 06/15/2017
Date Data Arrived at EDR: 06/19/2017
Date Made Active in Reports: 08/09/2017
Number of Days to Update: 51

Source: Shasta County Department of Resource Management
Telephone: 530-225-5789
Last EDR Contact: 08/09/2022
Next Scheduled EDR Contact: 11/28/2022
Data Release Frequency: Varies

SOLANO COUNTY:

LUST SOLANO: Leaking Underground Storage Tanks
A listing of leaking underground storage tank sites located in Solano county.

Date of Government Version: 06/04/2019
Date Data Arrived at EDR: 06/06/2019
Date Made Active in Reports: 08/13/2019
Number of Days to Update: 68

Source: Solano County Department of Environmental Management
Telephone: 707-784-6770
Last EDR Contact: 08/23/2022
Next Scheduled EDR Contact: 12/12/2022
Data Release Frequency: Quarterly

UST SOLANO: Underground Storage Tanks
Underground storage tank sites located in Solano county.

Date of Government Version: 09/15/2021
Date Data Arrived at EDR: 09/16/2021
Date Made Active in Reports: 12/09/2021
Number of Days to Update: 84

Source: Solano County Department of Environmental Management
Telephone: 707-784-6770
Last EDR Contact: 08/23/2022
Next Scheduled EDR Contact: 12/12/2022
Data Release Frequency: Quarterly

SONOMA COUNTY:

CUPA SONOMA: Cupa Facility List
Cupa Facility list

Date of Government Version: 07/02/2021
Date Data Arrived at EDR: 07/06/2021
Date Made Active in Reports: 07/14/2021
Number of Days to Update: 8

Source: County of Sonoma Fire & Emergency Services Department
Telephone: 707-565-1174
Last EDR Contact: 09/13/2022
Next Scheduled EDR Contact: 01/02/2023
Data Release Frequency: Varies

LUST SONOMA: Leaking Underground Storage Tank Sites
A listing of leaking underground storage tank sites located in Sonoma county.

Date of Government Version: 06/30/2021
Date Data Arrived at EDR: 06/30/2021
Date Made Active in Reports: 09/24/2021
Number of Days to Update: 86

Source: Department of Health Services
Telephone: 707-565-6565
Last EDR Contact: 09/13/2022
Next Scheduled EDR Contact: 01/02/2023
Data Release Frequency: Quarterly

STANISLAUS COUNTY:

CUPA STANISLAUS: CUPA Facility List
Cupa facility list

Date of Government Version: 02/08/2022
Date Data Arrived at EDR: 02/10/2022
Date Made Active in Reports: 05/04/2022
Number of Days to Update: 83

Source: Stanislaus County Department of Ennvironmental Protection
Telephone: 209-525-6751
Last EDR Contact: 10/04/2022
Next Scheduled EDR Contact: 01/23/2023
Data Release Frequency: Varies

SUTTER COUNTY:

UST SUTTER: Underground Storage Tanks
Underground storage tank sites located in Sutter county.

Date of Government Version: 05/03/2022
Date Data Arrived at EDR: 05/27/2022
Date Made Active in Reports: 08/11/2022
Number of Days to Update: 76

Source: Sutter County Environmental Health Services
Telephone: 530-822-7500
Last EDR Contact: 08/23/2022
Next Scheduled EDR Contact: 12/12/2022
Data Release Frequency: Semi-Annually

TEHAMA COUNTY:

CUPA TEHAMA: CUPA Facility List
Cupa facilities

Date of Government Version: 07/27/2022
Date Data Arrived at EDR: 07/27/2022
Date Made Active in Reports: 10/11/2022
Number of Days to Update: 76

Source: Tehama County Department of Environmental Health
Telephone: 530-527-8020
Last EDR Contact: 07/26/2022
Next Scheduled EDR Contact: 11/14/2022
Data Release Frequency: Varies

TRINITY COUNTY:

CUPA TRINITY: CUPA Facility List
Cupa facility list

Date of Government Version: 07/13/2022
Date Data Arrived at EDR: 07/14/2022
Date Made Active in Reports: 09/29/2022
Number of Days to Update: 77

Source: Department of Toxic Substances Control
Telephone: 760-352-0381
Last EDR Contact: 10/11/2022
Next Scheduled EDR Contact: 01/30/2023
Data Release Frequency: Varies

TULARE COUNTY:

CUPA TULARE: CUPA Facility List
Cupa program facilities

Date of Government Version: 04/26/2021
Date Data Arrived at EDR: 04/28/2021
Date Made Active in Reports: 07/13/2021
Number of Days to Update: 76

Source: Tulare County Environmental Health Services Division
Telephone: 559-624-7400
Last EDR Contact: 10/05/2022
Next Scheduled EDR Contact: 11/14/2022
Data Release Frequency: Varies

TUOLUMNE COUNTY:

CUPA TUOLUMNE: CUPA Facility List
Cupa facility list

Date of Government Version: 04/23/2018
Date Data Arrived at EDR: 04/25/2018
Date Made Active in Reports: 06/25/2018
Number of Days to Update: 61

Source: Divison of Environmental Health
Telephone: 209-533-5633
Last EDR Contact: 10/11/2022
Next Scheduled EDR Contact: 01/30/2023
Data Release Frequency: Varies

VENTURA COUNTY:

BWT VENTURA: Business Plan, Hazardous Waste Producers, and Operating Underground Tanks
The BWT list indicates by site address whether the Environmental Health Division has Business Plan (B), Waste Producer (W), and/or Underground Tank (T) information.

Date of Government Version: 05/26/2022
Date Data Arrived at EDR: 07/21/2022
Date Made Active in Reports: 09/30/2022
Number of Days to Update: 71

Source: Ventura County Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 10/17/2022
Next Scheduled EDR Contact: 01/30/2023
Data Release Frequency: Quarterly

LF VENTURA: Inventory of Illegal Abandoned and Inactive Sites
Ventura County Inventory of Closed, Illegal Abandoned, and Inactive Sites.

Date of Government Version: 12/01/2011
Date Data Arrived at EDR: 12/01/2011
Date Made Active in Reports: 01/19/2012
Number of Days to Update: 49

Source: Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 09/21/2022
Next Scheduled EDR Contact: 01/10/2023
Data Release Frequency: No Update Planned

LUST VENTURA: Listing of Underground Tank Cleanup Sites
Ventura County Underground Storage Tank Cleanup Sites (LUST).

Date of Government Version: 05/29/2008
Date Data Arrived at EDR: 06/24/2008
Date Made Active in Reports: 07/31/2008
Number of Days to Update: 37

Source: Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 08/02/2022
Next Scheduled EDR Contact: 11/21/2022
Data Release Frequency: No Update Planned

MED WASTE VENTURA: Medical Waste Program List
To protect public health and safety and the environment from potential exposure to disease causing agents, the Environmental Health Division Medical Waste Program regulates the generation, handling, storage, treatment and disposal of medical waste throughout the County.

Date of Government Version: 05/26/2022
Date Data Arrived at EDR: 07/25/2022
Date Made Active in Reports: 10/05/2022
Number of Days to Update: 72

Source: Ventura County Resource Management Agency
Telephone: 805-654-2813
Last EDR Contact: 10/17/2022
Next Scheduled EDR Contact: 01/30/2023
Data Release Frequency: Quarterly

UST VENTURA: Underground Tank Closed Sites List
Ventura County Operating Underground Storage Tank Sites (UST)/Underground Tank Closed Sites List.

Date of Government Version: 05/26/2022
Date Data Arrived at EDR: 06/07/2022
Date Made Active in Reports: 08/24/2022
Number of Days to Update: 78
Source: Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 08/31/2022
Next Scheduled EDR Contact: 12/19/2022
Data Release Frequency: Quarterly

YOLO COUNTY:

UST YOLO: Underground Storage Tank Comprehensive Facility Report
Underground storage tank sites located in Yolo county.

Date of Government Version: 06/22/2022
Date Data Arrived at EDR: 06/30/2022
Date Made Active in Reports: 09/14/2022
Number of Days to Update: 76
Source: Yolo County Department of Health
Telephone: 530-666-8646
Last EDR Contact: 09/21/2022
Next Scheduled EDR Contact: 01/10/2023
Data Release Frequency: Annually

YUBA COUNTY:

CUPA YUBA: CUPA Facility List
CUPA facility listing for Yuba County.

Date of Government Version: 05/03/2022
Date Data Arrived at EDR: 05/05/2022
Date Made Active in Reports: 07/28/2022
Number of Days to Update: 84
Source: Yuba County Environmental Health Department
Telephone: 530-749-7523
Last EDR Contact: 10/20/2022
Next Scheduled EDR Contact: 02/06/2023
Data Release Frequency: Varies

OTHER DATABASE(S)

Depending on the geographic area covered by this report, the data provided in these specialty databases may or may not be complete. For example, the existence of wetlands information data in a specific report does not mean that all wetlands in the area covered by the report are included. Moreover, the absence of any reported wetlands information does not necessarily mean that wetlands do not exist in the area covered by the report.

CT MANIFEST: Hazardous Waste Manifest Data
Facility and manifest data. Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a tsd facility.

Date of Government Version: 08/08/2022
Date Data Arrived at EDR: 08/08/2022
Date Made Active in Reports: 10/21/2022
Number of Days to Update: 74
Source: Department of Energy & Environmental Protection
Telephone: 860-424-3375
Last EDR Contact: 08/08/2022
Next Scheduled EDR Contact: 11/21/2022
Data Release Frequency: No Update Planned

NJ MANIFEST: Manifest Information
Hazardous waste manifest information.

Date of Government Version: 12/31/2018
Date Data Arrived at EDR: 04/10/2019
Date Made Active in Reports: 05/16/2019
Number of Days to Update: 36
Source: Department of Environmental Protection
Telephone: N/A
Last EDR Contact: 10/03/2022
Next Scheduled EDR Contact: 01/16/2023
Data Release Frequency: Annually

NY MANIFEST: Facility and Manifest Data

Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a TSD facility.

Date of Government Version: 01/01/2019
Date Data Arrived at EDR: 10/29/2021
Date Made Active in Reports: 01/19/2022
Number of Days to Update: 82

Source: Department of Environmental Conservation
Telephone: 518-402-8651
Last EDR Contact: 07/29/2022
Next Scheduled EDR Contact: 11/07/2022
Data Release Frequency: Quarterly

PA MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 06/30/2018
Date Data Arrived at EDR: 07/19/2019
Date Made Active in Reports: 09/10/2019
Number of Days to Update: 53

Source: Department of Environmental Protection
Telephone: 717-783-8990
Last EDR Contact: 10/05/2022
Next Scheduled EDR Contact: 01/23/2023
Data Release Frequency: Annually

RI MANIFEST: Manifest information

Hazardous waste manifest information

Date of Government Version: 12/31/2020
Date Data Arrived at EDR: 11/30/2021
Date Made Active in Reports: 02/18/2022
Number of Days to Update: 80

Source: Department of Environmental Management
Telephone: 401-222-2797
Last EDR Contact: 08/10/2022
Next Scheduled EDR Contact: 11/28/2022
Data Release Frequency: Annually

WI MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 05/31/2018
Date Data Arrived at EDR: 06/19/2019
Date Made Active in Reports: 09/03/2019
Number of Days to Update: 76

Source: Department of Natural Resources
Telephone: N/A
Last EDR Contact: 08/29/2022
Next Scheduled EDR Contact: 12/19/2022
Data Release Frequency: Annually

Oil/Gas Pipelines

Source: Endeavor Business Media

Petroleum Bundle (Crude Oil, Refined Products, Petrochemicals, Gas Liquids (LPG/NGL), and Specialty Gases (Miscellaneous)) N = Natural Gas Bundle (Natural Gas, Gas Liquids (LPG/NGL), and Specialty Gases (Miscellaneous)). This map includes information copyrighted by Endeavor Business Media. This information is provided on a best effort basis and Endeavor Business Media does not guarantee its accuracy nor warrant its fitness for any particular purpose. Such information has been reprinted with the permission of Endeavor Business Media.

Electric Power Transmission Line Data

Source: Endeavor Business Media

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Sensitive Receptors: There are individuals deemed sensitive receptors due to their fragile immune systems and special sensitivity to environmental discharges. These sensitive receptors typically include the elderly, the sick, and children. While the location of all sensitive receptors cannot be determined, EDR indicates those buildings and facilities - schools, daycares, hospitals, medical centers, and nursing homes - where individuals who are sensitive receptors are likely to be located.

AHA Hospitals:

Source: American Hospital Association, Inc.
Telephone: 312-280-5991

The database includes a listing of hospitals based on the American Hospital Association's annual survey of hospitals.

Medical Centers: Provider of Services Listing

Source: Centers for Medicare & Medicaid Services
Telephone: 410-786-3000

A listing of hospitals with Medicare provider number, produced by Centers of Medicare & Medicaid Services, a federal agency within the U.S. Department of Health and Human Services.

Nursing Homes
Source: National Institutes of Health
Telephone: 301-594-6248
Information on Medicare and Medicaid certified nursing homes in the United States.
Public Schools
Source: National Center for Education Statistics
Telephone: 202-502-7300
The National Center for Education Statistics' primary database on elementary and secondary public education in the United States. It is a comprehensive, annual, national statistical database of all public elementary and secondary schools and school districts, which contains data that are comparable across all states.
Private Schools
Source: National Center for Education Statistics
Telephone: 202-502-7300
The National Center for Education Statistics' primary database on private school locations in the United States.
Daycare Centers: Licensed Facilities
Source: Department of Social Services
Telephone: 916-657-4041

Flood Zone Data: This data was obtained from the Federal Emergency Management Agency (FEMA). It depicts 100-year and 500-year flood zones as defined by FEMA. It includes the National Flood Hazard Layer (NFHL) which incorporates Flood Insurance Rate Map (FIRM) data and Q3 data from FEMA in areas not covered by NFHL.
Source: FEMA
Telephone: 877-336-2627
Date of Government Version: 2003, 2015

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002, 2005, 2010 and 2015 from the U.S. Fish and Wildlife Service.

State Wetlands Data: Wetland Inventory
Source: Department of Fish and Wildlife
Telephone: 916-445-0411

Current USGS 7.5 Minute Topographic Map
Source: U.S. Geological Survey

STREET AND ADDRESS INFORMATION

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GEOCHECK ®- PHYSICAL SETTING SOURCE ADDENDUM

TARGET PROPERTY ADDRESS

MARCOS SPECIFIC PLAN
961 GRAND AVE
SAN MARCOS, CA 92078

TARGET PROPERTY COORDINATES

Latitude (North):	33.139998 - 33ˆ 8’ 23.99’’
Longitude (West):	117.185751 - 117ˆ 11’ 8.70’’
Universal Tranverse Mercator:	Zone 11
UTM X (Meters):	482675.0
UTM Y (Meters):	3666631.0
Elevation:	544 ft. above sea level

USGS TOPOGRAPHIC MAP

Target Property Map:	12015921 SAN MARCOS, CA
Version Date:	2018
South Map:	12015911 RANCHO SANTA FE, CA
Version Date:	2018

EDR’s GeoCheck Physical Setting Source Addendum is provided to assist the environmental professional in forming an opinion about the impact of potential contaminant migration.

Assessment of the impact of contaminant migration generally has two principle investigative components:

1. Groundwater flow direction, and
2. Groundwater flow velocity.

Groundwater flow direction may be impacted by surface topography, hydrology, hydrogeology, characteristics of the soil, and nearby wells. Groundwater flow velocity is generally impacted by the nature of the geologic strata.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW DIRECTION INFORMATION

Groundwater flow direction for a particular site is best determined by a qualified environmental professional using site-specific well data. If such data is not reasonably ascertainable, it may be necessary to rely on other sources of information, such as surface topographic information, hydrologic information, hydrogeologic data collected on nearby properties, and regional groundwater flow information (from deep aquifers).

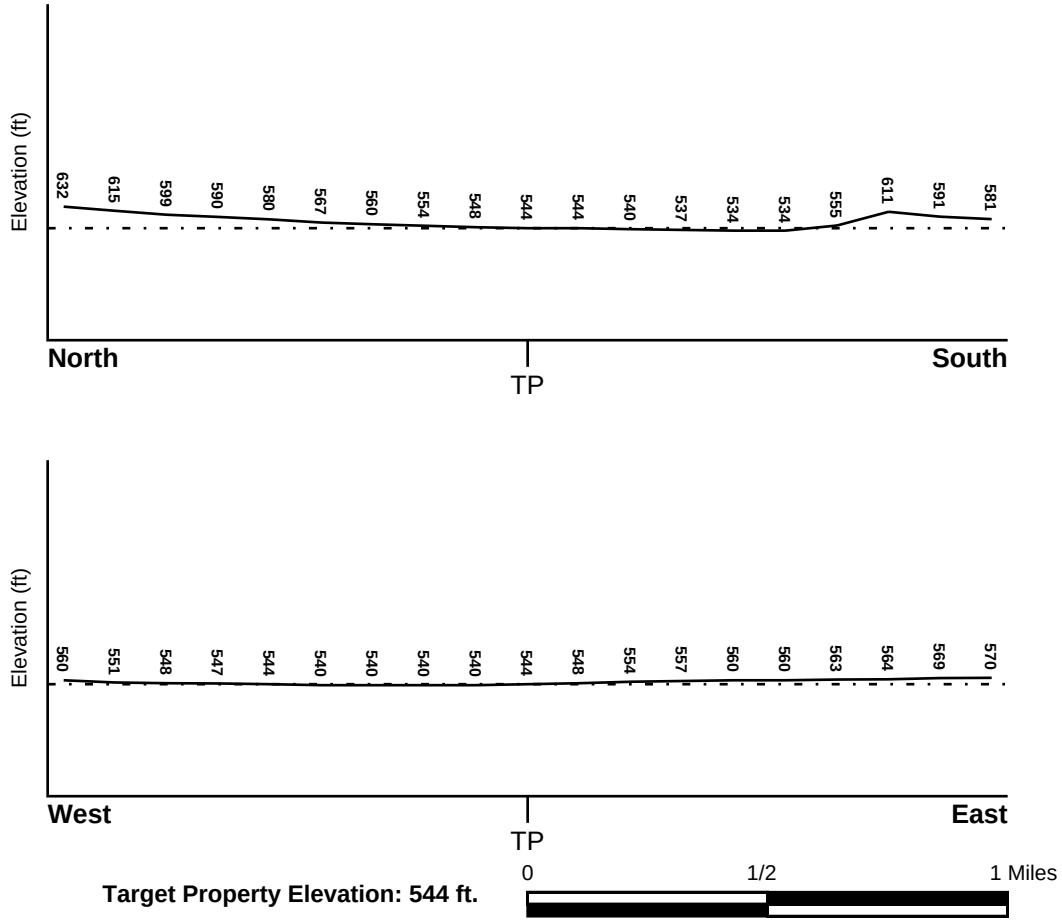
TOPOGRAPHIC INFORMATION

Surface topography may be indicative of the direction of surficial groundwater flow. This information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

TARGET PROPERTY TOPOGRAPHY

General Topographic Gradient: General SW

SURROUNDING TOPOGRAPHY: ELEVATION PROFILES



Source: Topography has been determined from the USGS 7.5' Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

HYDROLOGIC INFORMATION

Surface water can act as a hydrologic barrier to groundwater flow. Such hydrologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Refer to the Physical Setting Source Map following this summary for hydrologic information (major waterways and bodies of water).

FEMA FLOOD ZONE

Flood Plain Panel at Target Property	FEMA Source Type
06073C0793G	FEMA FIRM Flood data

Additional Panels in search area:	FEMA Source Type
06073C0789H	FEMA FIRM Flood data

NATIONAL WETLAND INVENTORY

NWI Quad at Target Property	NWI Electronic Data Coverage
SAN MARCOS	YES - refer to the Overview Map and Detail Map

HYDROGEOLOGIC INFORMATION

Hydrogeologic information obtained by installation of wells on a specific site can often be an indicator of groundwater flow direction in the immediate area. Such hydrogeologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Site-Specific Hydrogeological Data*:

Search Radius:	1.25 miles
Status:	Not found

AQUIFLOW®

Search Radius: 1.000 Mile.

EDR has developed the AQUIFLOW Information System to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted by environmental professionals to regulatory authorities at select sites and has extracted the date of the report, groundwater flow direction as determined hydrogeologically, and the depth to water table.

MAP ID	LOCATION FROM TP	GENERAL DIRECTION GROUNDWATER FLOW
F30	1/4 - 1/2 Mile SE	Not Reported
F69	1/4 - 1/2 Mile SE	Not Reported
G70	1/4 - 1/2 Mile NNE	S
93	1/4 - 1/2 Mile NW	Not Reported
N113	1/2 - 1 Mile West	NE
N124	1/2 - 1 Mile West	E
S144	1/2 - 1 Mile SW	E
1G	1/4 - 1/2 Mile NNE	S

* ©1996 Site−specific hydrogeological data gathered by CERCLIS Alerts, Inc., Bainbridge Island, WA. All rights reserved. All of the information and opinions presented are those of the cited EPA report(s), which were completed under a Comprehensive Environmental Response Compensation and Liability Information System (CERCLIS) investigation.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

MAP ID	LOCATION FROM TP	GENERAL DIRECTION GROUNDWATER FLOW
2G	1/4 - 1/2 Mile NW	Not Reported
4G	1/2 - 1 Mile West	E
5G	1/2 - 1 Mile West	NE
6G	1/4 - 1/2 Mile SE	Not Reported
7G	1/4 - 1/2 Mile SE	Not Reported
8G	1/2 - 1 Mile SW	E

For additional site information, refer to Physical Setting Source Map Findings.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW VELOCITY INFORMATION

Groundwater flow velocity information for a particular site is best determined by a qualified environmental professional using site specific geologic and soil strata data. If such data are not reasonably ascertainable, it may be necessary to rely on other sources of information, including geologic age identification, rock stratigraphic unit and soil characteristics data collected on nearby properties and regional soil information. In general, contaminant plumes move more quickly through sandy-gravelly types of soils than silty-clayey types of soils.

GEOLOGIC INFORMATION IN GENERAL AREA OF TARGET PROPERTY

Geologic information can be used by the environmental professional in forming an opinion about the relative speed at which contaminant migration may be occurring.

ROCK STRATIGRAPHIC UNIT

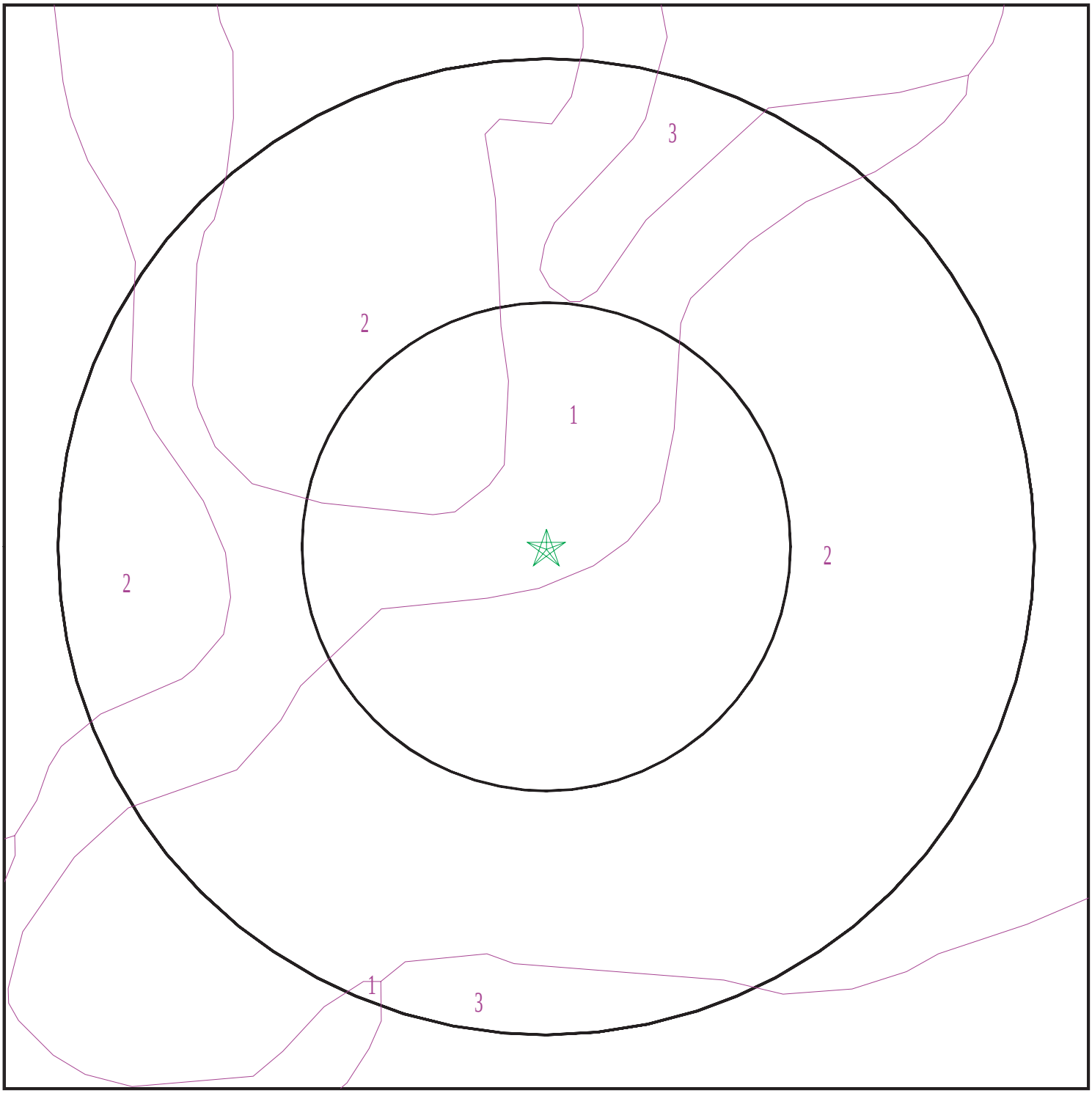
Era:	Mesozoic
System:	Lower Jurassic and Upper Triassic
Series:	Lower Mesozoic
Code:	lMze *(decoded above as Era, System & Series)*

GEOLOGIC AGE IDENTIFICATION

Category: Eugeosynclinal Deposits

Geologic Age and Rock Stratigraphic Unit Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - a digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

SSURGO SOIL MAP - 7158032.2s



Target Property
SSURGO Soil
Water

0 1/16 1/8 1/4 Miles

N

SITE NAME:	Marcos Specific Plan	CLIENT:	DUDEK
ADDRESS:	961 GRAND AVE San Marcos CA 92078	CONTACT:	Nicole Tucker
LAT/LONG:	33.139998 / 117.185751	INQUIRY #:	7158032.2s
		DATE:	October 25, 2022 10:13 am

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GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

DOMINANT SOIL COMPOSITION IN GENERAL AREA OF TARGET PROPERTY

The U.S. Department of Agriculture's (USDA) Soil Conservation Service (SCS) leads the National Cooperative Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. The following information is based on Soil Conservation Service SSURGO data.

Soil Map ID: 1

Soil Component Name: PLACENTIA

Soil Surface Texture: sandy loam

Hydrologic Group: Class D - Very slow infiltration rates. Soils are clayey, have a high water table, or are shallow to an impervious layer.

Soil Drainage Class: Moderately well drained

Hydric Status: Partially hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	12 inches	sandy loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 0.42 Min: 0.01	Max: 8.4 Min: 7.7
2	12 inches	33 inches	clay	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 0.42 Min: 0.01	Max: 8.4 Min: 7.7
3	33 inches	62 inches	clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 0.42 Min: 0.01	Max: 8.4 Min: 7.7

Soil Map ID: 2

Soil Component Name: PLACENTIA

Soil Surface Texture: sandy loam

Hydrologic Group: Class D - Very slow infiltration rates. Soils are clayey, have a high water table, or are shallow to an impervious layer.

Soil Drainage Class: Moderately well drained

Hydric Status: Partially hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	12 inches	sandy loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Clayey sand.	Max: 0.42 Min: 0.01	Max: 8.4 Min: 7.9
2	12 inches	33 inches	sandy clay	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Clayey sand.	Max: 0.42 Min: 0.01	Max: 8.4 Min: 7.9
3	33 inches	62 inches	clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Clayey sand.	Max: 0.42 Min: 0.01	Max: 8.4 Min: 7.9

Soil Map ID: 3

Soil Component Name: PLACENTIA

Soil Surface Texture: sandy loam

Hydrologic Group: Class D - Very slow infiltration rates. Soils are clayey, have a high water table, or are shallow to an impervious layer.

Soil Drainage Class: Moderately well drained

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Hydric Status: Partially hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	12 inches	sandy loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Gravels, Gravels with fines, Silty Gravel	Max: 1.4 Min: 0.42	Max: 8.4 Min: 7.9
2	12 inches	33 inches	sandy clay	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Gravels, Gravels with fines, Silty Gravel	Max: 1.4 Min: 0.42	Max: 8.4 Min: 7.9
3	33 inches	53 inches	clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Gravels, Gravels with fines, Silty Gravel	Max: 1.4 Min: 0.42	Max: 8.4 Min: 7.9
4	53 inches	62 inches		Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Gravels, Gravels with fines, Silty Gravel	Max: 1.4 Min: 0.42	Max: 8.4 Min: 7.9

LOCAL / REGIONAL WATER AGENCY RECORDS

EDR Local/Regional Water Agency records provide water well information to assist the environmental professional in assessing sources that may impact ground water flow direction, and in forming an opinion about the impact of contaminant migration on nearby drinking water wells.

WELL SEARCH DISTANCE INFORMATION

DATABASE	SEARCH DISTANCE (miles)
Federal USGS	1.000
Federal FRDS PWS	Nearest PWS within 1 mile
State Database	1.000

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

FEDERAL USGS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
No Wells Found		

FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
No PWS System Found		

Note: PWS System location is not always the same as well location.

STATE DATABASE WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
A1	CAEDF0000076686	0 - 1/8 Mile WSW
A2	CAEDF0000020594	0 - 1/8 Mile West
A3	CAEDF0000128927	0 - 1/8 Mile West
A4	CAEDF0000104855	0 - 1/8 Mile West
A5	CAEDF0000042258	0 - 1/8 Mile West
B6	CAEDF0000048855	1/8 - 1/4 Mile NNW
B7	CAEDF0000010826	1/8 - 1/4 Mile NNW
B8	CAEDF0000018395	1/8 - 1/4 Mile NNW
B9	CAEDF0000088905	1/8 - 1/4 Mile NNW
B10	CAEDF0000052265	1/8 - 1/4 Mile North
B11	CAEDF0000143214	1/8 - 1/4 Mile North
B12	CAEDF0000088046	1/8 - 1/4 Mile NNW
B13	CAEDF0000009574	1/8 - 1/4 Mile North
B14	CAEDF0000070036	1/8 - 1/4 Mile NNW
C15	CAEDF0000003131	1/8 - 1/4 Mile ESE
B16	CAEDF0000059314	1/8 - 1/4 Mile NNW
C17	CAEDF0000111586	1/8 - 1/4 Mile ESE
B18	CAEDF0000086504	1/8 - 1/4 Mile NNW
C19	CAEDF0000000696	1/8 - 1/4 Mile ESE
C20	CAEDF0000061559	1/8 - 1/4 Mile ESE
D21	CAEDF0000072002	1/8 - 1/4 Mile North
22	CAEDF0000102035	1/8 - 1/4 Mile NNW
D23	CAEDF0000100907	1/8 - 1/4 Mile North
E24	CAEDF0000062067	1/8 - 1/4 Mile WNW
D25	CAEDF0000020363	1/8 - 1/4 Mile North
D26	CAEDF0000053323	1/8 - 1/4 Mile North
D27	CAEDF0000087945	1/8 - 1/4 Mile North
D28	CAEDF0000122182	1/8 - 1/4 Mile North
E29	CAEDF0000006292	1/8 - 1/4 Mile WNW
D31	CAEDF0000014594	1/4 - 1/2 Mile North
D32	CAEDF0000083818	1/4 - 1/2 Mile North
E33	CAEDF0000022484	1/4 - 1/2 Mile West
E34	CAEDF0000041824	1/4 - 1/2 Mile WNW
E35	CAEDF0000059941	1/4 - 1/2 Mile WNW
D36	CAEDF0000075034	1/4 - 1/2 Mile North
D37	CAEDF0000058982	1/4 - 1/2 Mile North

STATE DATABASE WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
D38	CAEDF0000047121	1/4 - 1/2 Mile North
E39	CAEDF0000113813	1/4 - 1/2 Mile WNW
D40	CAEDF0000123597	1/4 - 1/2 Mile North
D41	CAEDF0000073985	1/4 - 1/2 Mile North
E42	CAEDF0000019095	1/4 - 1/2 Mile WNW
D43	CAEDF0000092076	1/4 - 1/2 Mile North
D44	CAEDF0000049327	1/4 - 1/2 Mile North
D45	CAEDF0000104245	1/4 - 1/2 Mile North
D46	CAEDF0000130495	1/4 - 1/2 Mile North
D47	CAEDF0000016754	1/4 - 1/2 Mile North
E48	CAEDF0000004057	1/4 - 1/2 Mile WNW
D49	CAEDF0000014808	1/4 - 1/2 Mile North
D50	CAEDF0000022897	1/4 - 1/2 Mile North
D51	CAEDF0000018233	1/4 - 1/2 Mile North
D52	CAEDF0000003204	1/4 - 1/2 Mile North
E53	CAEDF0000079510	1/4 - 1/2 Mile WNW
D54	CAEDF0000129085	1/4 - 1/2 Mile North
D55	CAEDF0000137737	1/4 - 1/2 Mile North
D56	CAEDF0000101568	1/4 - 1/2 Mile North
D57	CAEDF0000106374	1/4 - 1/2 Mile North
D58	CAEDF0000072903	1/4 - 1/2 Mile North
D59	CAEDF0000136641	1/4 - 1/2 Mile North
D60	CAEDF0000120758	1/4 - 1/2 Mile North
D61	CAEDF0000104682	1/4 - 1/2 Mile North
D62	CAEDF0000031287	1/4 - 1/2 Mile North
D63	CAEDF0000127259	1/4 - 1/2 Mile North
D64	CAEDF0000056526	1/4 - 1/2 Mile North
D65	CAEDF0000052161	1/4 - 1/2 Mile North
G66	CAEDF0000018645	1/4 - 1/2 Mile North
G67	CAEDF0000008671	1/4 - 1/2 Mile North
G68	CAEDF0000040778	1/4 - 1/2 Mile North
G71	CAEDF0000131462	1/4 - 1/2 Mile North
G72	CAEDF0000115238	1/4 - 1/2 Mile North
H73	CAEDF0000104979	1/4 - 1/2 Mile ESE
H74	CAEDF0000057450	1/4 - 1/2 Mile ESE
H75	CAEDF0000118159	1/4 - 1/2 Mile SE
H76	CAEDF0000023633	1/4 - 1/2 Mile ESE
H77	CAEDF0000051925	1/4 - 1/2 Mile ESE
H78	CAEDF0000132640	1/4 - 1/2 Mile ESE
I79	CAEDF0000111068	1/4 - 1/2 Mile ESE
I80	CAEDF0000133977	1/4 - 1/2 Mile ESE
I81	CAEDF0000088611	1/4 - 1/2 Mile ESE
I82	CAEDF0000128482	1/4 - 1/2 Mile ESE
I83	CAEDF0000046393	1/4 - 1/2 Mile ESE
I84	CAEDF0000062590	1/4 - 1/2 Mile ESE
I85	CAEDF0000137513	1/4 - 1/2 Mile ESE
I86	CAEDF0000101157	1/4 - 1/2 Mile ESE
I87	CAEDF0000097978	1/4 - 1/2 Mile ESE
I88	CAEDF0000105647	1/4 - 1/2 Mile ESE
I89	CAEDF0000018304	1/4 - 1/2 Mile ESE
I90	CAEDF0000112709	1/4 - 1/2 Mile ESE
I91	CAEDF0000044012	1/4 - 1/2 Mile ESE

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

STATE DATABASE WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
I92	CAEDF0000048876	1/4 - 1/2 Mile ESE
J94	CAEDF0000082102	1/2 - 1 Mile ESE
J95	CAEDF0000044405	1/2 - 1 Mile ESE
K96	CAEDF0000060495	1/2 - 1 Mile WNW
K97	CAEDF0000053679	1/2 - 1 Mile WNW
K98	CAEDF0000076795	1/2 - 1 Mile WNW
J99	CAEDF0000093226	1/2 - 1 Mile ESE
L100	CAEDF0000038720	1/2 - 1 Mile ESE
L101	CAEDF0000065860	1/2 - 1 Mile ESE
L102	CAEDF0000127855	1/2 - 1 Mile ESE
L103	CAEDF0000005624	1/2 - 1 Mile ESE
L104	CAEDF0000140349	1/2 - 1 Mile ESE
L105	CAEDF0000121692	1/2 - 1 Mile ESE
L106	CAEDF0000032775	1/2 - 1 Mile ESE
M107	CAEDF0000089438	1/2 - 1 Mile NW
M108	CAEDF0000095674	1/2 - 1 Mile NW
M109	CAEDF0000066948	1/2 - 1 Mile NW
M110	CAEDF0000131445	1/2 - 1 Mile NW
M111	CAEDF0000122519	1/2 - 1 Mile NW
M112	CAEDF0000073785	1/2 - 1 Mile NW
M114	CAEDF0000133216	1/2 - 1 Mile NW
M115	CAEDF0000140369	1/2 - 1 Mile NW
M116	CAEDF0000118424	1/2 - 1 Mile NW
M117	CAEDF0000063928	1/2 - 1 Mile NW
118	CAEDF0000016793	1/2 - 1 Mile West
O119	CAEDF0000129710	1/2 - 1 Mile West
O120	CAEDF0000013350	1/2 - 1 Mile West
O121	CAEDF0000110271	1/2 - 1 Mile West
O122	CAEDF0000100287	1/2 - 1 Mile West
O123	CAEDF0000032174	1/2 - 1 Mile West
O125	CAEDF0000079997	1/2 - 1 Mile West
O126	CAEDF0000135476	1/2 - 1 Mile West
O127	CAEDF0000117022	1/2 - 1 Mile West
P128	CAEDF0000052333	1/2 - 1 Mile WSW
Q129	CAEDF0000069358	1/2 - 1 Mile West
P130	CAEDF0000120933	1/2 - 1 Mile WSW
P131	CAPFAS000000106	1/2 - 1 Mile WSW
Q132	CAEDF0000110587	1/2 - 1 Mile West
Q133	CAEDF0000050975	1/2 - 1 Mile West
Q134	CAEDF0000056573	1/2 - 1 Mile West
Q135	CAEDF0000066785	1/2 - 1 Mile West
Q136	CAEDF0000060202	1/2 - 1 Mile West
R137	CAEDF0000065903	1/2 - 1 Mile WNW
R138	CAEDF0000116886	1/2 - 1 Mile WNW
R139	CAEDF0000059124	1/2 - 1 Mile WNW
R140	CAEDF0000104772	1/2 - 1 Mile WNW
S141	CAEDF0000058180	1/2 - 1 Mile SW
S142	CAEDF0000075147	1/2 - 1 Mile WSW
T143	CAEDF0000096392	1/2 - 1 Mile NW
T145	CAEDF0000044649	1/2 - 1 Mile NW
T146	CAEDF0000117897	1/2 - 1 Mile NW
S147	CAEDF0000051686	1/2 - 1 Mile WSW

STATE DATABASE WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
S148	CAEDF0000058166	1/2 - 1 Mile WSW
T149	CAEDF0000103439	1/2 - 1 Mile NW
T150	CAEDF0000019555	1/2 - 1 Mile NW
S151	CAEDF0000041434	1/2 - 1 Mile WSW
U152	CAEDF0000092805	1/2 - 1 Mile West
U153	CAEDF0000135093	1/2 - 1 Mile West
U154	CAEDF0000042737	1/2 - 1 Mile West
T155	CAEDF0000092752	1/2 - 1 Mile NW
T156	CAEDF0000066040	1/2 - 1 Mile NW
T157	CAEDF0000048726	1/2 - 1 Mile NW
T158	CAEDF0000112933	1/2 - 1 Mile NW
T159	CAEDF0000133458	1/2 - 1 Mile NW
T160	CAEDF0000056211	1/2 - 1 Mile NW
T161	CAEDF0000033752	1/2 - 1 Mile NW
S162	CAEDF0000116790	1/2 - 1 Mile WSW
T163	CAEDF0000135009	1/2 - 1 Mile NW
T164	CAEDF0000129756	1/2 - 1 Mile NW
R165	CAEDF0000042687	1/2 - 1 Mile WNW
T166	CAEDF0000082501	1/2 - 1 Mile NW
V167	CAEDF0000059238	1/2 - 1 Mile WSW
S168	CAEDF0000140728	1/2 - 1 Mile SW
T169	CAEDF0000049177	1/2 - 1 Mile NW
T170	CAEDF0000034556	1/2 - 1 Mile NW
T171	CAEDF0000031723	1/2 - 1 Mile NW
T172	CAEDF0000077643	1/2 - 1 Mile NW
T173	CAEDF0000013855	1/2 - 1 Mile NW
T174	CAEDF0000059158	1/2 - 1 Mile NW
T175	CAEDF0000000531	1/2 - 1 Mile NW
S176	CAEDF0000133791	1/2 - 1 Mile SW
R177	CAEDF0000060762	1/2 - 1 Mile WNW
S178	CAEDF0000035848	1/2 - 1 Mile WSW
R179	CAEDF0000008573	1/2 - 1 Mile WNW
S180	CAEDF0000072304	1/2 - 1 Mile WSW
T181	CAEDF0000045462	1/2 - 1 Mile NW
S182	CAEDF0000061164	1/2 - 1 Mile SW
T183	CAEDF0000009727	1/2 - 1 Mile NW
T184	CAEDF0000113287	1/2 - 1 Mile NW
T185	CAEDF0000029815	1/2 - 1 Mile NW
T186	CAEDF0000015671	1/2 - 1 Mile NW
V187	CAEDF0000023344	1/2 - 1 Mile WSW
V188	CAEDF0000096030	1/2 - 1 Mile WSW
T189	CAEDF0000082991	1/2 - 1 Mile NW
T190	CAEDF0000056016	1/2 - 1 Mile NW
T191	CAEDF0000131729	1/2 - 1 Mile NW
V192	CAEDF0000024302	1/2 - 1 Mile WSW
W193	CAEDF0000067827	1/2 - 1 Mile WNW
R194	CAEDF0000053692	1/2 - 1 Mile WNW
V195	CAEDF0000098403	1/2 - 1 Mile WSW
T196	CAEDF0000022122	1/2 - 1 Mile NW
U197	CAEDF0000142760	1/2 - 1 Mile West
T198	CAEDF0000114887	1/2 - 1 Mile NW
T199	CAEDF0000095516	1/2 - 1 Mile NW

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

STATE DATABASE WELL INFORMATION

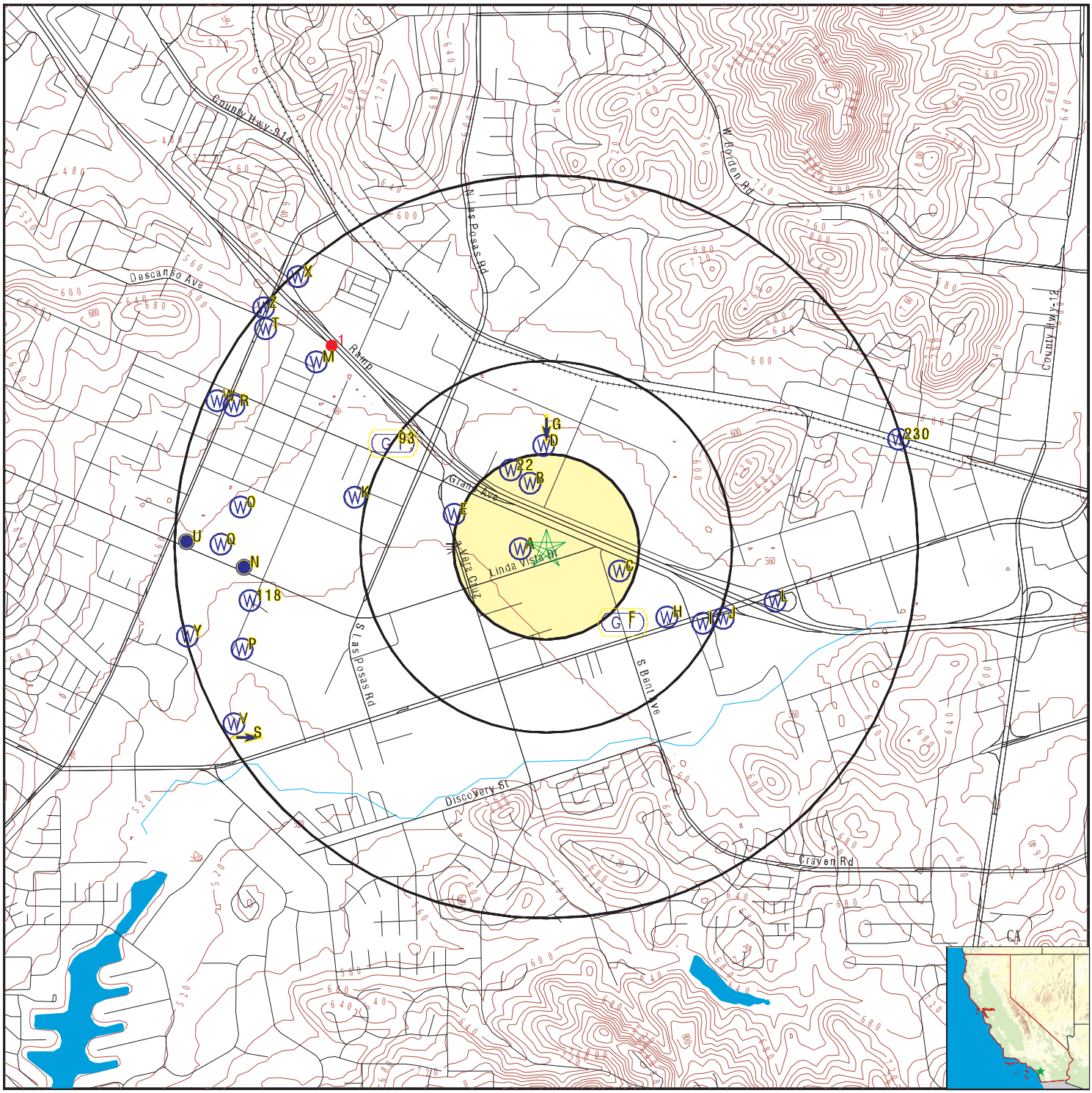
MAP ID	WELL ID	LOCATION FROM TP
S200	CAEDF0000041569	1/2 - 1 Mile WSW
S201	CAEDF0000044638	1/2 - 1 Mile WSW
S202	CAEDF0000108061	1/2 - 1 Mile WSW
V204	CAEDF0000052418	1/2 - 1 Mile WSW
V205	CAEDF0000034438	1/2 - 1 Mile WSW
T206	CAEDF0000087740	1/2 - 1 Mile NW
W207	CAEDF0000096482	1/2 - 1 Mile WNW
S208	CAEDF0000056726	1/2 - 1 Mile WSW
V209	CAEDF0000021210	1/2 - 1 Mile WSW
X210	CAEDF0000064841	1/2 - 1 Mile NW
S211	CAEDF0000123827	1/2 - 1 Mile WSW
V212	CAEDF0000129875	1/2 - 1 Mile WSW
S213	CAEDF0000120564	1/2 - 1 Mile SW
V214	CAEDF0000083896	1/2 - 1 Mile WSW
T215	CAEDF0000134082	1/2 - 1 Mile NW
W216	CAEDF0000125713	1/2 - 1 Mile WNW
S217	CAEDF0000123483	1/2 - 1 Mile WSW
V218	CAEDF0000069007	1/2 - 1 Mile WSW
U219	CAEDF0000092376	1/2 - 1 Mile West
U220	CAEDF0000082577	1/2 - 1 Mile West
U221	CAEDF0000139298	1/2 - 1 Mile West
T222	CAEDF0000082303	1/2 - 1 Mile NW
S223	CAEDF0000074001	1/2 - 1 Mile SW
U224	CAEDF0000093882	1/2 - 1 Mile West
U225	CAEDF0000108940	1/2 - 1 Mile West
T226	CAEDF0000066185	1/2 - 1 Mile NW
T227	CAEDF0000065953	1/2 - 1 Mile NW
X228	CAEDF0000081405	1/2 - 1 Mile NW
X229	CAEDF0000037712	1/2 - 1 Mile NW
230	CAEDF0000101331	1/2 - 1 Mile ENE
T231	CAEDF0000124137	1/2 - 1 Mile NW
T232	CAEDF0000089261	1/2 - 1 Mile NW
T233	CAEDF0000136217	1/2 - 1 Mile NW
U234	CAEDF0000076788	1/2 - 1 Mile West
Y235	CAPFAS000000662	1/2 - 1 Mile WSW
Y236	CAEDF0000088952	1/2 - 1 Mile WSW
Z237	CAEDF0000128955	1/2 - 1 Mile NW
Z238	CAEDF0000061367	1/2 - 1 Mile NW
Z239	CAEDF0000015935	1/2 - 1 Mile NW
X240	CAEDF0000065005	1/2 - 1 Mile NW

OTHER STATE DATABASE INFORMATION

STATE OIL/GAS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
1	CAOG14000006684	1/2 - 1 Mile NW

PHYSICAL SETTING SOURCE MAP - 7158032.2s



- County Boundary
- Major Roads
- Contour Lines
- Earthquake Fault Lines
- Earthquake epicenter, Richter 5 or greater
- Water Wells
- Public Water Supply Wells
- Cluster of Multiple Icons
- Groundwater Flow Direction
- GI Indeterminate Groundwater Flow at Location
- GV Groundwater Flow Varies at Location
- HD Closest Hydrogeological Data
- Oil, gas or related wells

SITE NAME:	Marcos Specific Plan	CLIENT:	DUDEK
ADDRESS:	961 GRAND AVE San Marcos CA 92078	CONTACT:	Nicole Tucker
		INQUIRY #:	7158032.2s
LAT/LONG:	33.139998 / 117.185751	DATE:	October 25, 2022 10:13 am

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Map ID
Direction
Distance
Elevation | Database | EDR ID Number

A1
WSW
0 - 1/8 Mile
Lower

CA WELLS **CAEDF0000076686**

Well ID:	T10000006374-MW-5	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-5
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T10000006374&assigned_name=MW-5&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T10000006374&assigned_name=MW-5		

A2
West
0 - 1/8 Mile
Lower

CA WELLS **CAEDF0000020594**

Well ID:	T10000006374-MW-4	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-4
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T10000006374&assigned_name=MW-4&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T10000006374&assigned_name=MW-4		

A3
West
0 - 1/8 Mile
Lower

CA WELLS **CAEDF0000128927**

Well ID:	T10000006374-MW-3	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-3
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T10000006374&assigned_name=MW-3&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T10000006374&assigned_name=MW-3		

A4
West
0 - 1/8 Mile
Lower

CA WELLS **CAEDF0000104855**

Well ID:	T10000006374-MW-1	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-1
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T10000006374&assigned_name=MW-1&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T10000006374&assigned_name=MW-1		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

A5
West
0 - 1/8 Mile
Lower

CA WELLS **CAEDF0000042258**

Well ID:	T10000006374-MW-2	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-2
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T10000006374&assigned_name=MW-2&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T10000006374&assigned_name=MW-2		

B6
NNW
1/8 - 1/4 Mile
Higher

CA WELLS **CAEDF0000048855**

Well ID:	SL0607396081-MW-21	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-21
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL0607396081&assigned_name=MW-21&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL0607396081&assigned_name=MW-21		

B7
NNW
1/8 - 1/4 Mile
Higher

CA WELLS **CAEDF0000010826**

Well ID:	SL0607396081-MW-13	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-13
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL0607396081&assigned_name=MW-13&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL0607396081&assigned_name=MW-13		

B8
NNW
1/8 - 1/4 Mile
Higher

CA WELLS **CAEDF0000018395**

Well ID:	SL0607396081-MW-11D	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-11D
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL0607396081&assigned_name=MW-11D&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL0607396081&assigned_name=MW-11D		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

B9
NNW
1/8 - 1/4 Mile
Higher

CA WELLS **CAEDF0000088905**

Well ID:	SL0607396081-MW-22	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-22
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL0607396081&assigned_name=MW-22&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL0607396081&assigned_name=MW-22		

B10
North
1/8 - 1/4 Mile
Higher

CA WELLS **CAEDF0000052265**

Well ID:	SL209154190-P-4	Well Type:	MONITORING
Source:	EDF	Other Name:	P-4
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL209154190&assigned_name=P-4&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL209154190&assigned_name=P-4		

B11
North
1/8 - 1/4 Mile
Higher

CA WELLS **CAEDF0000143214**

Well ID:	SL209154190-D-5	Well Type:	MONITORING
Source:	EDF	Other Name:	D-5
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL209154190&assigned_name=D-5&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL209154190&assigned_name=D-5		

B12
NNW
1/8 - 1/4 Mile
Higher

CA WELLS **CAEDF0000088046**

Well ID:	SL0607396081-MW-14	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-14
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL0607396081&assigned_name=MW-14&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL0607396081&assigned_name=MW-14		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

B13
North
1/8 - 1/4 Mile
Higher

CA WELLS **CAEDF0000009574**

Well ID:	SL0607396081-MW-20	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-20
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL0607396081&assigned_name=MW-20&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL0607396081&assigned_name=MW-20		

B14
NNW
1/8 - 1/4 Mile
Higher

CA WELLS **CAEDF0000070036**

Well ID:	SL0607396081-MW-4	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-4
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL0607396081&assigned_name=MW-4&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL0607396081&assigned_name=MW-4		

C15
ESE
1/8 - 1/4 Mile
Higher

CA WELLS **CAEDF0000003131**

Well ID:	T06019794315-MW-4	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-4
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T06019794315&assigned_name=MW-4&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T06019794315&assigned_name=MW-4		

B16
NNW
1/8 - 1/4 Mile
Higher

CA WELLS **CAEDF0000059314**

Well ID:	SL0607396081-MW-1	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-1
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL0607396081&assigned_name=MW-1&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL0607396081&assigned_name=MW-1		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

C17
ESE
1/8 - 1/4 Mile
Higher

CA WELLS **CAEDF0000111586**

Well ID:	T10000009279-MW-7	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-7
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T10000009279&assigned_name=MW-7&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T10000009279&assigned_name=MW-7		

B18
NNW
1/8 - 1/4 Mile
Higher

CA WELLS **CAEDF0000086504**

Well ID:	SL0607396081-MW-2	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-2
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL0607396081&assigned_name=MW-2&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL0607396081&assigned_name=MW-2		

C19
ESE
1/8 - 1/4 Mile
Higher

CA WELLS **CAEDF0000000696**

Well ID:	T06019794315-MW-6	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-6
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T06019794315&assigned_name=MW-6&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T06019794315&assigned_name=MW-6		

C20
ESE
1/8 - 1/4 Mile
Higher

CA WELLS **CAEDF0000061559**

Well ID:	T06019794315-MW-5	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-5
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T06019794315&assigned_name=MW-5&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T06019794315&assigned_name=MW-5		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

D21
North
1/8 - 1/4 Mile
Higher

CA WELLS **CAEDF0000072002**

Well ID:	SL0607396081-MW-19	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-19
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL0607396081&assigned_name=MW-19&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL0607396081&assigned_name=MW-19		

22
NNW
1/8 - 1/4 Mile
Higher

CA WELLS **CAEDF0000102035**

Well ID:	SL0607396081-MW-15	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-15
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL0607396081&assigned_name=MW-15&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL0607396081&assigned_name=MW-15		

D23
North
1/8 - 1/4 Mile
Higher

CA WELLS **CAEDF0000100907**

Well ID:	SL0607396081-MW-17D	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-17D
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL0607396081&assigned_name=MW-17D&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL0607396081&assigned_name=MW-17D		

E24
WNW
1/8 - 1/4 Mile
Lower

CA WELLS **CAEDF0000062067**

Well ID:	T0607302416-MW9	Well Type:	MONITORING
Source:	EDF	Other Name:	MW9
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607302416&assigned_name=MW9&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607302416&assigned_name=MW9		

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Map ID
Direction
Distance
Elevation | Database | EDR ID Number

D25
North
1/8 - 1/4 Mile
Higher

CA WELLS **CAEDF0000020363**

Well ID:	SL0607396081-MW-16	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-16
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL0607396081&assigned_name=MW-16&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL0607396081&assigned_name=MW-16		

D26
North
1/8 - 1/4 Mile
Higher

CA WELLS **CAEDF0000053323**

Well ID:	SL0607396081-MW-18	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-18
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL0607396081&assigned_name=MW-18&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL0607396081&assigned_name=MW-18		

D27
North
1/8 - 1/4 Mile
Higher

CA WELLS **CAEDF0000087945**

Well ID:	SL209154190-P-1	Well Type:	MONITORING
Source:	EDF	Other Name:	P-1
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL209154190&assigned_name=P-1&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL209154190&assigned_name=P-1		

D28
North
1/8 - 1/4 Mile
Higher

CA WELLS **CAEDF0000122182**

Well ID:	SL0607396081-MW-12	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-12
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL0607396081&assigned_name=MW-12&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL0607396081&assigned_name=MW-12		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

E29
WNW
1/8 - 1/4 Mile
Higher

CA WELLS **CAEDF0000006292**

Well ID:	T0607302416-MW8	Well Type:	MONITORING
Source:	EDF	Other Name:	MW8
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607302416&assigned_name=MW8&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607302416&assigned_name=MW8		

F30
SE
1/4 - 1/2 Mile
Higher

AQUIFLOW **34181**

Site ID:	9UT1516
Groundwater Flow:	Not Reported
Shallow Water Depth:	10
Deep Water Depth:	16
Average Water Depth:	Not Reported
Date:	02/15/1990

D31
North
1/4 - 1/2 Mile
Higher

CA WELLS **CAEDF0000014594**

Well ID:	SL209154190-P-2	Well Type:	MONITORING
Source:	EDF	Other Name:	P-2
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL209154190&assigned_name=P-2&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL209154190&assigned_name=P-2		

D32
North
1/4 - 1/2 Mile
Higher

CA WELLS **CAEDF0000083818**

Well ID:	SL209154190-D-1	Well Type:	MONITORING
Source:	EDF	Other Name:	D-1
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL209154190&assigned_name=D-1&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL209154190&assigned_name=D-1		

E33
West
1/4 - 1/2 Mile
Lower

CA WELLS **CAEDF0000022484**

Well ID:	T0607302416-MW7	Well Type:	MONITORING
Source:	EDF	Other Name:	MW7

GAMA PFAS Testing: Not Reported
Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607302416&assigned_name=MW7&store_num=
GeoTracker Data: https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607302416&assigned_name=MW7

E34
WNW
1/4 - 1/2 Mile
Lower

CA WELLS **CAEDF0000041824**

Well ID: T0607302416-MW3 Well Type: MONITORING
Source: EDF Other Name: MW3
GAMA PFAS Testing: Not Reported
Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607302416&assigned_name=MW3&store_num=
GeoTracker Data: https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607302416&assigned_name=MW3

E35
WNW
1/4 - 1/2 Mile
Lower

CA WELLS **CAEDF0000059941**

Well ID: T0607302416-MW1 Well Type: MONITORING
Source: EDF Other Name: MW1
GAMA PFAS Testing: Not Reported
Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607302416&assigned_name=MW1&store_num=
GeoTracker Data: https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607302416&assigned_name=MW1

D36
North
1/4 - 1/2 Mile
Higher

CA WELLS **CAEDF0000075034**

Well ID: SL209154190-D-4 Well Type: MONITORING
Source: EDF Other Name: D-4
GAMA PFAS Testing: Not Reported
Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL209154190&assigned_name=D-4&store_num=
GeoTracker Data: https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL209154190&assigned_name=D-4

D37
North
1/4 - 1/2 Mile
Higher

CA WELLS **CAEDF0000058982**

Well ID: SL209154190-P-6 Well Type: MONITORING
Source: EDF Other Name: P-6
GAMA PFAS Testing: Not Reported
Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL209154190&assigned_name=P-6&store_num=

GeoTracker Data: https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL209154190&assigned_name=P-6

D38
North
1/4 - 1/2 Mile
Higher

CA WELLS **CAEDF0000047121**

Well ID:	SL209154190-MPE-18	Well Type:	MONITORING
Source:	EDF	Other Name:	MPE-18
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL209154190&assigned_name=MPE-18&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL209154190&assigned_name=MPE-18		

E39
WNW
1/4 - 1/2 Mile
Lower

CA WELLS **CAEDF0000113813**

Well ID:	T0607302416-MW4	Well Type:	MONITORING
Source:	EDF	Other Name:	MW4
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607302416&assigned_name=MW4&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607302416&assigned_name=MW4		

D40
North
1/4 - 1/2 Mile
Higher

CA WELLS **CAEDF0000123597**

Well ID:	SL209154190-P-3	Well Type:	MONITORING
Source:	EDF	Other Name:	P-3
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL209154190&assigned_name=P-3&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL209154190&assigned_name=P-3		

D41
North
1/4 - 1/2 Mile
Higher

CA WELLS **CAEDF0000073985**

Well ID:	SL209154190-D-2	Well Type:	MONITORING
Source:	EDF	Other Name:	D-2
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL209154190&assigned_name=D-2&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL209154190&assigned_name=D-2		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

E42
WNW
1/4 - 1/2 Mile
Lower

CA WELLS **CAEDF0000019095**

Well ID:	T0607302416-MW5	Well Type:	MONITORING
Source:	EDF	Other Name:	MW5
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607302416&assigned_name=MW5&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607302416&assigned_name=MW5		

D43
North
1/4 - 1/2 Mile
Higher

CA WELLS **CAEDF0000092076**

Well ID:	SL209154190-MPE-17	Well Type:	MONITORING
Source:	EDF	Other Name:	MPE-17
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL209154190&assigned_name=MPE-17&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL209154190&assigned_name=MPE-17		

D44
North
1/4 - 1/2 Mile
Higher

CA WELLS **CAEDF0000049327**

Well ID:	SL209154190-P-5	Well Type:	MONITORING
Source:	EDF	Other Name:	P-5
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL209154190&assigned_name=P-5&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL209154190&assigned_name=P-5		

D45
North
1/4 - 1/2 Mile
Higher

CA WELLS **CAEDF0000104245**

Well ID:	SL209154190-MPE-19	Well Type:	MONITORING
Source:	EDF	Other Name:	MPE-19
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL209154190&assigned_name=MPE-19&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL209154190&assigned_name=MPE-19		

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Map ID
Direction
Distance
Elevation | Database | EDR ID Number

D46
North
1/4 - 1/2 Mile
Higher

CA WELLS **CAEDF0000130495**

Well ID:	SL209154190-P-7	Well Type:	MONITORING
Source:	EDF	Other Name:	P-7
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL209154190&assigned_name=P-7&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL209154190&assigned_name=P-7		

D47
North
1/4 - 1/2 Mile
Higher

CA WELLS **CAEDF0000016754**

Well ID:	SL209154190-D-6	Well Type:	MONITORING
Source:	EDF	Other Name:	D-6
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL209154190&assigned_name=D-6&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL209154190&assigned_name=D-6		

E48
WNW
1/4 - 1/2 Mile
Lower

CA WELLS **CAEDF0000004057**

Well ID:	T0607302416-MW6	Well Type:	MONITORING
Source:	EDF	Other Name:	MW6
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607302416&assigned_name=MW6&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607302416&assigned_name=MW6		

D49
North
1/4 - 1/2 Mile
Higher

CA WELLS **CAEDF0000014808**

Well ID:	SL209154190-MPE-3	Well Type:	MONITORING
Source:	EDF	Other Name:	MPE-3
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL209154190&assigned_name=MPE-3&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL209154190&assigned_name=MPE-3		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

D50
North
1/4 - 1/2 Mile
Higher

CA WELLS **CAEDF0000022897**

Well ID:	SL209154190-MPE-4	Well Type:	MONITORING
Source:	EDF	Other Name:	MPE-4
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL209154190&assigned_name=MPE-4&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL209154190&assigned_name=MPE-4		

D51
North
1/4 - 1/2 Mile
Higher

CA WELLS **CAEDF0000018233**

Well ID:	SL209154190-MPE-16	Well Type:	MONITORING
Source:	EDF	Other Name:	MPE-16
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL209154190&assigned_name=MPE-16&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL209154190&assigned_name=MPE-16		

D52
North
1/4 - 1/2 Mile
Higher

CA WELLS **CAEDF0000003204**

Well ID:	SL209154190-MPE-20	Well Type:	MONITORING
Source:	EDF	Other Name:	MPE-20
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL209154190&assigned_name=MPE-20&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL209154190&assigned_name=MPE-20		

E53
WNW
1/4 - 1/2 Mile
Lower

CA WELLS **CAEDF0000079510**

Well ID:	T0607302416-MW2	Well Type:	MONITORING
Source:	EDF	Other Name:	MW2
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607302416&assigned_name=MW2&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607302416&assigned_name=MW2		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

D54
North
1/4 - 1/2 Mile
Higher

CA WELLS **CAEDF0000129085**

Well ID:	SL209154190-MPE-12	Well Type:	MONITORING
Source:	EDF	Other Name:	MPE-12
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL209154190&assigned_name=MPE-12&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL209154190&assigned_name=MPE-12		

D55
North
1/4 - 1/2 Mile
Higher

CA WELLS **CAEDF0000137737**

Well ID:	SL209154190-MPE-7	Well Type:	MONITORING
Source:	EDF	Other Name:	MPE-7
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL209154190&assigned_name=MPE-7&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL209154190&assigned_name=MPE-7		

D56
North
1/4 - 1/2 Mile
Higher

CA WELLS **CAEDF0000101568**

Well ID:	SL209154190-MPE-10	Well Type:	MONITORING
Source:	EDF	Other Name:	MPE-10
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL209154190&assigned_name=MPE-10&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL209154190&assigned_name=MPE-10		

D57
North
1/4 - 1/2 Mile
Higher

CA WELLS **CAEDF0000106374**

Well ID:	SL209154190-MPE-5	Well Type:	MONITORING
Source:	EDF	Other Name:	MPE-5
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL209154190&assigned_name=MPE-5&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL209154190&assigned_name=MPE-5		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

D58
North
1/4 - 1/2 Mile
Higher

CA WELLS **CAEDF0000072903**

Well ID:	SL209154190-MPE-15	Well Type:	MONITORING
Source:	EDF	Other Name:	MPE-15
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL209154190&assigned_name=MPE-15&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL209154190&assigned_name=MPE-15		

D59
North
1/4 - 1/2 Mile
Higher

CA WELLS **CAEDF0000136641**

Well ID:	SL209154190-MPE-8	Well Type:	MONITORING
Source:	EDF	Other Name:	MPE-8
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL209154190&assigned_name=MPE-8&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL209154190&assigned_name=MPE-8		

D60
North
1/4 - 1/2 Mile
Higher

CA WELLS **CAEDF0000120758**

Well ID:	SL209154190-MPE-2	Well Type:	MONITORING
Source:	EDF	Other Name:	MPE-2
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL209154190&assigned_name=MPE-2&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL209154190&assigned_name=MPE-2		

D61
North
1/4 - 1/2 Mile
Higher

CA WELLS **CAEDF0000104682**

Well ID:	SL209154190-MPE-13	Well Type:	MONITORING
Source:	EDF	Other Name:	MPE-13
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL209154190&assigned_name=MPE-13&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL209154190&assigned_name=MPE-13		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

D62
North
1/4 - 1/2 Mile
Higher

CA WELLS **CAEDF0000031287**

Well ID:	SL209154190-W-1	Well Type:	MONITORING
Source:	EDF	Other Name:	W-1
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL209154190&assigned_name=W-1&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL209154190&assigned_name=W-1		

D63
North
1/4 - 1/2 Mile
Higher

CA WELLS **CAEDF0000127259**

Well ID:	SL209154190-MPE-1	Well Type:	MONITORING
Source:	EDF	Other Name:	MPE-1
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL209154190&assigned_name=MPE-1&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL209154190&assigned_name=MPE-1		

D64
North
1/4 - 1/2 Mile
Higher

CA WELLS **CAEDF0000056526**

Well ID:	SL209154190-MPE-9	Well Type:	MONITORING
Source:	EDF	Other Name:	MPE-9
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL209154190&assigned_name=MPE-9&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL209154190&assigned_name=MPE-9		

D65
North
1/4 - 1/2 Mile
Higher

CA WELLS **CAEDF0000052161**

Well ID:	SL209154190-MPE-11	Well Type:	MONITORING
Source:	EDF	Other Name:	MPE-11
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL209154190&assigned_name=MPE-11&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL209154190&assigned_name=MPE-11		

Map ID
Direction
Distance
Elevation

	Database	EDR ID Number
G66 **North** **1/4 - 1/2 Mile** **Higher**	**CA WELLS**	**CAEDF0000018645**

Well ID:	SL209154190-W-3	Well Type:	MONITORING
Source:	EDF	Other Name:	W-3
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL209154190&assigned_name=W-3&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL209154190&assigned_name=W-3		

	Database	EDR ID Number
G67 **North** **1/4 - 1/2 Mile** **Higher**	**CA WELLS**	**CAEDF0000008671**

Well ID:	SL209154190-MPE-14	Well Type:	MONITORING
Source:	EDF	Other Name:	MPE-14
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL209154190&assigned_name=MPE-14&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL209154190&assigned_name=MPE-14		

	Database	EDR ID Number
G68 **North** **1/4 - 1/2 Mile** **Higher**	**CA WELLS**	**CAEDF0000040778**

Well ID:	SL209154190-W-2	Well Type:	MONITORING
Source:	EDF	Other Name:	W-2
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL209154190&assigned_name=W-2&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL209154190&assigned_name=W-2		

			Database	EDR ID Number
F69 **SE** **1/4 - 1/2 Mile** **Higher**	Site ID:	9UT0782	**AQUIFLOW**	**37970**
	Groundwater Flow:	Not Reported		
	Shallow Water Depth:	Not Reported		
	Deep Water Depth:	Not Reported		
	Average Water Depth:	>30		
	Date:	10/09/1987		

			Database	EDR ID Number
G70 **NNE** **1/4 - 1/2 Mile** **Higher**	Site ID:	Not Reported	**AQUIFLOW**	**34135**
	Groundwater Flow:	S		
	Shallow Water Depth:	6.5		
	Deep Water Depth:	15		
	Average Water Depth:	Not Reported		
	Date:	08/31/1993		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

G71
North
1/4 - 1/2 Mile
Higher

CA WELLS **CAEDF0000131462**

Well ID:	SL209154190-D-3	Well Type:	MONITORING
Source:	EDF	Other Name:	D-3
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL209154190&assigned_name=D-3&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL209154190&assigned_name=D-3		

G72
North
1/4 - 1/2 Mile
Higher

CA WELLS **CAEDF0000115238**

Well ID:	SL209154190-MPE-6	Well Type:	MONITORING
Source:	EDF	Other Name:	MPE-6
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL209154190&assigned_name=MPE-6&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL209154190&assigned_name=MPE-6		

H73
ESE
1/4 - 1/2 Mile
Higher

CA WELLS **CAEDF0000104979**

Well ID:	T06019784786-MW5	Well Type:	MONITORING
Source:	EDF	Other Name:	MW5
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T06019784786&assigned_name=MW5&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T06019784786&assigned_name=MW5		

H74
ESE
1/4 - 1/2 Mile
Higher

CA WELLS **CAEDF0000057450**

Well ID:	T06019784786-MW4	Well Type:	MONITORING
Source:	EDF	Other Name:	MW4
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T06019784786&assigned_name=MW4&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T06019784786&assigned_name=MW4		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

H75
SE
1/4 - 1/2 Mile
Higher

CA WELLS **CAEDF0000118159**

Well ID:	T06019784786-MW7	Well Type:	MONITORING
Source:	EDF	Other Name:	MW7
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T06019784786&assigned_name=MW7&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T06019784786&assigned_name=MW7		

H76
ESE
1/4 - 1/2 Mile
Higher

CA WELLS **CAEDF0000023633**

Well ID:	T06019784786-MW6	Well Type:	MONITORING
Source:	EDF	Other Name:	MW6
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T06019784786&assigned_name=MW6&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T06019784786&assigned_name=MW6		

H77
ESE
1/4 - 1/2 Mile
Higher

CA WELLS **CAEDF0000051925**

Well ID:	T06019784786-MW3	Well Type:	MONITORING
Source:	EDF	Other Name:	MW3
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T06019784786&assigned_name=MW3&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T06019784786&assigned_name=MW3		

H78
ESE
1/4 - 1/2 Mile
Higher

CA WELLS **CAEDF0000132640**

Well ID:	T06019784786-MW2	Well Type:	MONITORING
Source:	EDF	Other Name:	MW2
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T06019784786&assigned_name=MW2&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T06019784786&assigned_name=MW2		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

I79
ESE
1/4 - 1/2 Mile
Higher

CA WELLS **CAEDF0000111068**

Well ID:	T06019784786-MW1	Well Type:	MONITORING
Source:	EDF	Other Name:	MW1
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T06019784786&assigned_name=MW1&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T06019784786&assigned_name=MW1		

I80
ESE
1/4 - 1/2 Mile
Higher

CA WELLS **CAEDF0000133977**

Well ID:	T0607300537-MW-24	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-24
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607300537&assigned_name=MW-24&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607300537&assigned_name=MW-24		

I81
ESE
1/4 - 1/2 Mile
Higher

CA WELLS **CAEDF0000088611**

Well ID:	T0607300537-MW-21	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-21
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607300537&assigned_name=MW-21&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607300537&assigned_name=MW-21		

I82
ESE
1/4 - 1/2 Mile
Higher

CA WELLS **CAEDF0000128482**

Well ID:	T0607300537-MW-17	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-17
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607300537&assigned_name=MW-17&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607300537&assigned_name=MW-17		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

I83
ESE
1/4 - 1/2 Mile
Higher

CA WELLS **CAEDF0000046393**

Well ID:	T0619738267-MW-3	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-3
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0619738267&assigned_name=MW-3&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0619738267&assigned_name=MW-3		

I84
ESE
1/4 - 1/2 Mile
Higher

CA WELLS **CAEDF0000062590**

Well ID:	T0607300537-MW-23	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-23
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607300537&assigned_name=MW-23&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607300537&assigned_name=MW-23		

I85
ESE
1/4 - 1/2 Mile
Higher

CA WELLS **CAEDF0000137513**

Well ID:	T06019781381-MW-1	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-1
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T06019781381&assigned_name=MW-1&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T06019781381&assigned_name=MW-1		

I86
ESE
1/4 - 1/2 Mile
Higher

CA WELLS **CAEDF0000101157**

Well ID:	T0607300537-MW-18	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-18
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607300537&assigned_name=MW-18&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607300537&assigned_name=MW-18		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

I87
ESE
1/4 - 1/2 Mile
Higher

CA WELLS **CAEDF0000097978**

Well ID:	T0619738267-MW-5	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-5
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0619738267&assigned_name=MW-5&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0619738267&assigned_name=MW-5		

I88
ESE
1/4 - 1/2 Mile
Higher

CA WELLS **CAEDF0000105647**

Well ID:	T0619738267-MW-1	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-1
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0619738267&assigned_name=MW-1&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0619738267&assigned_name=MW-1		

I89
ESE
1/4 - 1/2 Mile
Higher

CA WELLS **CAEDF0000018304**

Well ID:	T0619738267-MW-6	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-6
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0619738267&assigned_name=MW-6&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0619738267&assigned_name=MW-6		

I90
ESE
1/4 - 1/2 Mile
Higher

CA WELLS **CAEDF0000112709**

Well ID:	T0619738267-MW-7	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-7
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0619738267&assigned_name=MW-7&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0619738267&assigned_name=MW-7		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

I91
ESE
1/4 - 1/2 Mile
Higher

CA WELLS **CAEDF0000044012**

Well ID:	T0619738267-MW-4	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-4
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0619738267&assigned_name=MW-4&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0619738267&assigned_name=MW-4		

I92
ESE
1/4 - 1/2 Mile
Higher

CA WELLS **CAEDF0000048876**

Well ID:	T0619738267-MW-2	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-2
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0619738267&assigned_name=MW-2&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0619738267&assigned_name=MW-2		

93
NW
1/4 - 1/2 Mile
Higher

Site ID:	Not Reported
Groundwater Flow:	Not Reported
Shallow Water Depth:	Not Reported
Deep Water Depth:	Not Reported
Average Water Depth:	12
Date:	05/29/1987

AQUIFLOW **38459**

J94
ESE
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000082102**

Well ID:	T0607300537-MW-19	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-19
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607300537&assigned_name=MW-19&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607300537&assigned_name=MW-19		

J95
ESE
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000044405**

Well ID:	T0607300537-B-15	Well Type:	MONITORING
Source:	EDF	Other Name:	B-15

GAMA PFAS Testing: Not Reported
Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607300537&assigned_name=B-15&store_num=
GeoTracker Data: https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607300537&assigned_name=B-15

K96
WNW
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000060495**

Well ID: T0607302493-MW-1 Well Type: MONITORING
Source: EDF Other Name: MW-1
GAMA PFAS Testing: Not Reported
Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607302493&assigned_name=MW-1&store_num=
GeoTracker Data: https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607302493&assigned_name=MW-1

K97
WNW
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000053679**

Well ID: T0607302493-MW-3 Well Type: MONITORING
Source: EDF Other Name: MW-3
GAMA PFAS Testing: Not Reported
Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607302493&assigned_name=MW-3&store_num=
GeoTracker Data: https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607302493&assigned_name=MW-3

K98
WNW
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000076795**

Well ID: T0607302493-MW-2 Well Type: MONITORING
Source: EDF Other Name: MW-2
GAMA PFAS Testing: Not Reported
Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607302493&assigned_name=MW-2&store_num=
GeoTracker Data: https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607302493&assigned_name=MW-2

J99
ESE
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000093226**

Well ID: T0607300537-B-5R Well Type: MONITORING
Source: EDF Other Name: B-5R
GAMA PFAS Testing: Not Reported
Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607300537&assigned_name=B-5R&store_num=

GeoTracker Data: https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607300537&assigned_name=B-5R

L100
ESE
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000038720**

Well ID:	T0607301754-MW-7	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-7
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607301754&assigned_name=MW-7&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607301754&assigned_name=MW-7		

L101
ESE
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000065860**

Well ID:	T0607301754-MW-6	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-6
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607301754&assigned_name=MW-6&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607301754&assigned_name=MW-6		

L102
ESE
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000127855**

Well ID:	T0607301754-MW-2	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-2
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607301754&assigned_name=MW-2&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607301754&assigned_name=MW-2		

L103
ESE
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000005624**

Well ID:	T0607301754-MW-1	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-1
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607301754&assigned_name=MW-1&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607301754&assigned_name=MW-1		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

L104
ESE
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000140349**

Well ID:	T0607301754-MW-3	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-3
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607301754&assigned_name=MW-3&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607301754&assigned_name=MW-3		

L105
ESE
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000121692**

Well ID:	T0607301754-MW-5	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-5
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607301754&assigned_name=MW-5&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607301754&assigned_name=MW-5		

L106
ESE
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000032775**

Well ID:	T0607301754-MW-4	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-4
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607301754&assigned_name=MW-4&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607301754&assigned_name=MW-4		

M107
NW
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000089438**

Well ID:	T0607302697-MW-11	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-11
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607302697&assigned_name=MW-11&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607302697&assigned_name=MW-11		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

M108
NW
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000095674**

Well ID:	T0607302697-MW-8	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-8
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607302697&assigned_name=MW-8&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607302697&assigned_name=MW-8		

M109
NW
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000066948**

Well ID:	T0607302697-MW-9	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-9
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607302697&assigned_name=MW-9&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607302697&assigned_name=MW-9		

M110
NW
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000131445**

Well ID:	T0607302697-MW-10	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-10
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607302697&assigned_name=MW-10&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607302697&assigned_name=MW-10		

M111
NW
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000122519**

Well ID:	T0607302282-MW-6	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-6
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607302282&assigned_name=MW-6&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607302282&assigned_name=MW-6		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

M112
NW
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000073785**

Well ID:	T0607302697-MW-6	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-6
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607302697&assigned_name=MW-6&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607302697&assigned_name=MW-6		

N113
West
1/2 - 1 Mile
Lower

AQUIFLOW **38309**

Site ID:	Not Reported
Groundwater Flow:	NE
Shallow Water Depth:	7.5
Deep Water Depth:	15
Average Water Depth:	Not Reported
Date:	07/1990

M114
NW
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000133216**

Well ID:	T0607302697-MW-7	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-7
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607302697&assigned_name=MW-7&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607302697&assigned_name=MW-7		

M115
NW
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000140369**

Well ID:	T0607302282-MW-7	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-7
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607302282&assigned_name=MW-7&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607302282&assigned_name=MW-7		

M116
NW
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000118424**

Well ID:	T0607302282-MW-5	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-5

GAMA PFAS Testing: Not Reported
Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607302282&assigned_name=MW-5&store_num=
GeoTracker Data: https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607302282&assigned_name=MW-5

M117
NW
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000063928**

Well ID: T0607302697-MW-5 Well Type: MONITORING
Source: EDF Other Name: MW-5
GAMA PFAS Testing: Not Reported
Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607302697&assigned_name=MW-5&store_num=
GeoTracker Data: https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607302697&assigned_name=MW-5

118
West
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000016793**

Well ID: L10006943141-SM-5 Well Type: MONITORING
Source: EDF Other Name: SM-5
GAMA PFAS Testing: Not Reported
Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=L10006943141&assigned_name=SM-5&store_num=
GeoTracker Data: https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=L10006943141&assigned_name=SM-5

O119
West
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000129710**

Well ID: T0607301979-MW1 Well Type: MONITORING
Source: EDF Other Name: MW1
GAMA PFAS Testing: Not Reported
Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607301979&assigned_name=MW1&store_num=
GeoTracker Data: https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607301979&assigned_name=MW1

O120
West
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000013350**

Well ID: T0607301979-MW2 Well Type: MONITORING
Source: EDF Other Name: MW2
GAMA PFAS Testing: Not Reported
Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607301979&assigned_name=MW2&store_num=

GeoTracker Data: https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607301979&assigned_name=MW2

O121
West
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000110271**

Well ID:	T0607301979-MWA	Well Type:	MONITORING
Source:	EDF	Other Name:	MWA
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607301979&assigned_name=MWA&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607301979&assigned_name=MWA		

O122
West
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000100287**

Well ID:	T0607301979-MW3	Well Type:	MONITORING
Source:	EDF	Other Name:	MW3
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607301979&assigned_name=MW3&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607301979&assigned_name=MW3		

O123
West
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000032174**

Well ID:	T0607301979-MW7	Well Type:	MONITORING
Source:	EDF	Other Name:	MW7
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607301979&assigned_name=MW7&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607301979&assigned_name=MW7		

N124
West
1/2 - 1 Mile
Higher

AQUIFLOW **34147**

Site ID:	9UT0892
Groundwater Flow:	E
Shallow Water Depth:	Not Reported
Deep Water Depth:	Not Reported
Average Water Depth:	22.5
Date:	01/11/1989

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

O125
West
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000079997**

Well ID:	T0607301979-MW5	Well Type:	MONITORING
Source:	EDF	Other Name:	MW5
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607301979&assigned_name=MW5&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607301979&assigned_name=MW5		

O126
West
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000135476**

Well ID:	T0607301979-MW4	Well Type:	MONITORING
Source:	EDF	Other Name:	MW4
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607301979&assigned_name=MW4&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607301979&assigned_name=MW4		

O127
West
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000117022**

Well ID:	T0607301979-MW6	Well Type:	MONITORING
Source:	EDF	Other Name:	MW6
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607301979&assigned_name=MW6&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607301979&assigned_name=MW6		

P128
WSW
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000052333**

Well ID:	L10006943141-SM-3	Well Type:	MONITORING
Source:	EDF	Other Name:	SM-3
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=L10006943141&assigned_name=SM-3&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=L10006943141&assigned_name=SM-3		

Map ID
Direction
Distance
Elevation

	Database	EDR ID Number
Q129 **West** **1/2 - 1 Mile** **Higher**	**CA WELLS**	**CAEDF0000069358**

Well ID:	T0607302526-MW6	Well Type:	MONITORING
Source:	EDF	Other Name:	MW6
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607302526&assigned_name=MW6&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607302526&assigned_name=MW6		

P130 **WSW** **1/2 - 1 Mile** **Lower**	**CA WELLS**	**CAEDF0000120933**

Well ID:	L10006943141-SM-7	Well Type:	MONITORING
Source:	EDF	Other Name:	SM-7
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=L10006943141&assigned_name=SM-7&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=L10006943141&assigned_name=SM-7		

P131 **WSW** **1/2 - 1 Mile** **Lower**	**CA WELLS**	**CAPFAS000000106**

Well ID:	L10006943141-SM-7	Well Type:	MONITORING
Source:	EDF	Other Name:	SM-7
GAMA PFAS Testing:	Yes		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=L10006943141&assigned_name=SM-7&store_num=		
GeoTracker Data:	Not Reported		

Q132 **West** **1/2 - 1 Mile** **Higher**	**CA WELLS**	**CAEDF0000110587**

Well ID:	T0607302526-MW3	Well Type:	MONITORING
Source:	EDF	Other Name:	MW3
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607302526&assigned_name=MW3&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607302526&assigned_name=MW3		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

Q133
West
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000050975**

Well ID:	T0607302526-MW5	Well Type:	MONITORING
Source:	EDF	Other Name:	MW5
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607302526&assigned_name=MW5&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607302526&assigned_name=MW5		

Q134
West
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000056573**

Well ID:	T0607302526-MW4	Well Type:	MONITORING
Source:	EDF	Other Name:	MW4
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607302526&assigned_name=MW4&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607302526&assigned_name=MW4		

Q135
West
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000066785**

Well ID:	T0607302526-MW2	Well Type:	MONITORING
Source:	EDF	Other Name:	MW2
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607302526&assigned_name=MW2&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607302526&assigned_name=MW2		

Q136
West
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000060202**

Well ID:	T0607302526-MW1	Well Type:	MONITORING
Source:	EDF	Other Name:	MW1
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607302526&assigned_name=MW1&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607302526&assigned_name=MW1		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

R137
WNW
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000065903**

Well ID:	T0607399218-HP-5	Well Type:	MONITORING
Source:	EDF	Other Name:	HP-5
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607399218&assigned_name=HP-5&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607399218&assigned_name=HP-5		

R138
WNW
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000116886**

Well ID:	T0607399218-MW-10	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-10
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607399218&assigned_name=MW-10&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607399218&assigned_name=MW-10		

R139
WNW
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000059124**

Well ID:	T0607399218-HP-4	Well Type:	MONITORING
Source:	EDF	Other Name:	HP-4
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607399218&assigned_name=HP-4&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607399218&assigned_name=HP-4		

R140
WNW
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000104772**

Well ID:	T0607399218-MW-11	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-11
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607399218&assigned_name=MW-11&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607399218&assigned_name=MW-11		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

S141
SW
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000058180**

Well ID:	T0607302845-VWD-2	Well Type:	MONITORING
Source:	EDF	Other Name:	VWD-2
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607302845&assigned_name=VWD-2&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607302845&assigned_name=VWD-2		

S142
WSW
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000075147**

Well ID:	T0607302845-IT-11	Well Type:	MONITORING
Source:	EDF	Other Name:	IT-11
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607302845&assigned_name=IT-11&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607302845&assigned_name=IT-11		

T143
NW
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000096392**

Well ID:	T0607302827-MW-12	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-12
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607302827&assigned_name=MW-12&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607302827&assigned_name=MW-12		

S144
SW
1/2 - 1 Mile
Lower

AQUIFLOW **37928**

Site ID:	Not Reported
Groundwater Flow:	E
Shallow Water Depth:	3
Deep Water Depth:	18
Average Water Depth:	Not Reported
Date:	07/31/1985

T145
NW
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000044649**

Well ID:	T0607301309-MW-21	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-21

GAMA PFAS Testing: Not Reported
Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607301309&assigned_name=MW-21&store_num=
GeoTracker Data: https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607301309&assigned_name=MW-21

T146
NW
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000117897**

Well ID: T0607301309-MW-20 Well Type: MONITORING
Source: EDF Other Name: MW-20
GAMA PFAS Testing: Not Reported
Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607301309&assigned_name=MW-20&store_num=
GeoTracker Data: https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607301309&assigned_name=MW-20

S147
WSW
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000051686**

Well ID: T0607302845-MW-3 Well Type: MONITORING
Source: EDF Other Name: MW-3
GAMA PFAS Testing: Not Reported
Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607302845&assigned_name=MW-3&store_num=
GeoTracker Data: https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607302845&assigned_name=MW-3

S148
WSW
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000058166**

Well ID: T0607302845-WCC-1 Well Type: MONITORING
Source: EDF Other Name: WCC-1
GAMA PFAS Testing: Not Reported
Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607302845&assigned_name=WCC-1&store_num=
GeoTracker Data: https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607302845&assigned_name=WCC-1

T149
NW
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000103439**

Well ID: T0607302827-MW-18 Well Type: MONITORING
Source: EDF Other Name: MW-18
GAMA PFAS Testing: Not Reported
Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607302827&assigned_name=MW-18&store_num=

GeoTracker Data: https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607302827&assigned_name=MW-18

T150
NW
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000019555**

Well ID:	T0607302827-MW-B5	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-B5
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607302827&assigned_name=MW-B5&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607302827&assigned_name=MW-B5		

S151
WSW
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000041434**

Well ID:	T0607302845-WCC-2	Well Type:	MONITORING
Source:	EDF	Other Name:	WCC-2
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607302845&assigned_name=WCC-2&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607302845&assigned_name=WCC-2		

U152
West
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000092805**

Well ID:	T0608106225-MW-6	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-6
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0608106225&assigned_name=MW-6&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0608106225&assigned_name=MW-6		

U153
West
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000135093**

Well ID:	T0608106225-MW-5	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-5
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0608106225&assigned_name=MW-5&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0608106225&assigned_name=MW-5		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

U154
West
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000042737**

Well ID:	T0608106225-MW-3	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-3
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0608106225&assigned_name=MW-3&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0608106225&assigned_name=MW-3		

T155
NW
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000092752**

Well ID:	T0607301309-URS-PPW4	Well Type:	MONITORING
Source:	EDF	Other Name:	URS-PPW4
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607301309&assigned_name=URS-PPW4&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607301309&assigned_name=URS-PPW4		

T156
NW
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000066040**

Well ID:	T0607301309-URS-CMT1	Well Type:	MONITORING
Source:	EDF	Other Name:	URS-CMT1
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607301309&assigned_name=URS-CMT1&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607301309&assigned_name=URS-CMT1		

T157
NW
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000048726**

Well ID:	T0607302827-MW-11	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-11
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607302827&assigned_name=MW-11&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607302827&assigned_name=MW-11		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

T158
NW
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000112933**

Well ID:	T0607302827-MW-B1	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-B1
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607302827&assigned_name=MW-B1&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607302827&assigned_name=MW-B1		

T159
NW
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000133458**

Well ID:	T0607302827-MW-17	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-17
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607302827&assigned_name=MW-17&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607302827&assigned_name=MW-17		

T160
NW
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000056211**

Well ID:	T0607301309-MW-17	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-17
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607301309&assigned_name=MW-17&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607301309&assigned_name=MW-17		

T161
NW
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000033752**

Well ID:	T0607301309-CB-04	Well Type:	MONITORING
Source:	EDF	Other Name:	CB-04
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607301309&assigned_name=CB-04&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607301309&assigned_name=CB-04		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

S162
WSW
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000116790**

Well ID:	T0607302845-WCC-3	Well Type:	MONITORING
Source:	EDF	Other Name:	WCC-3
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607302845&assigned_name=WCC-3&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607302845&assigned_name=WCC-3		

T163
NW
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000135009**

Well ID:	T0607301309-URS-PPW1	Well Type:	MONITORING
Source:	EDF	Other Name:	URS-PPW1
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607301309&assigned_name=URS-PPW1&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607301309&assigned_name=URS-PPW1		

T164
NW
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000129756**

Well ID:	T0607301309-URS-PPW3	Well Type:	MONITORING
Source:	EDF	Other Name:	URS-PPW3
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607301309&assigned_name=URS-PPW3&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607301309&assigned_name=URS-PPW3		

R165
WNW
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000042687**

Well ID:	T0607399218-MW-3	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-3
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607399218&assigned_name=MW-3&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607399218&assigned_name=MW-3		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

T166
NW
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000082501**

Well ID:	T0607302827-MW-B6	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-B6
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607302827&assigned_name=MW-B6&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607302827&assigned_name=MW-B6		

V167
WSW
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000059238**

Well ID:	T0607302845-WCC-5	Well Type:	MONITORING
Source:	EDF	Other Name:	WCC-5
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607302845&assigned_name=WCC-5&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607302845&assigned_name=WCC-5		

S168
SW
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000140728**

Well ID:	T0607302845-MW-6	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-6
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607302845&assigned_name=MW-6&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607302845&assigned_name=MW-6		

T169
NW
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000049177**

Well ID:	T0607301309-MW-16	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-16
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607301309&assigned_name=MW-16&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607301309&assigned_name=MW-16		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

T170
NW
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000034556**

Well ID:	T0607301309-CB-03	Well Type:	MONITORING
Source:	EDF	Other Name:	CB-03
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607301309&assigned_name=CB-03&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607301309&assigned_name=CB-03		

T171
NW
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000031723**

Well ID:	T0607302827-MW-16	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-16
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607302827&assigned_name=MW-16&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607302827&assigned_name=MW-16		

T172
NW
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000077643**

Well ID:	T0607301309-CB-10B	Well Type:	MONITORING
Source:	EDF	Other Name:	CB-10B
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607301309&assigned_name=CB-10B&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607301309&assigned_name=CB-10B		

T173
NW
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000013855**

Well ID:	T0607302827-MW-B3	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-B3
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607302827&assigned_name=MW-B3&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607302827&assigned_name=MW-B3		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

T174
NW
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000059158**

Well ID:	T0607301309-URS-PPW2	Well Type:	MONITORING
Source:	EDF	Other Name:	URS-PPW2
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607301309&assigned_name=URS-PPW2&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607301309&assigned_name=URS-PPW2		

T175
NW
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000000531**

Well ID:	T0607301309-CB-05	Well Type:	MONITORING
Source:	EDF	Other Name:	CB-05
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607301309&assigned_name=CB-05&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607301309&assigned_name=CB-05		

S176
SW
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000133791**

Well ID:	T0607302845-EW-1	Well Type:	MONITORING
Source:	EDF	Other Name:	EW-1
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607302845&assigned_name=EW-1&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607302845&assigned_name=EW-1		

R177
WNW
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000060762**

Well ID:	T0607399218-MW-2	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-2
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607399218&assigned_name=MW-2&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607399218&assigned_name=MW-2		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

S178
WSW
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000035848**

Well ID:	T0607302845-MW-12	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-12
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607302845&assigned_name=MW-12&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607302845&assigned_name=MW-12		

R179
WNW
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000008573**

Well ID:	T0607399218-MW-1	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-1
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607399218&assigned_name=MW-1&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607399218&assigned_name=MW-1		

S180
WSW
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000072304**

Well ID:	T0607302845-MW-13	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-13
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607302845&assigned_name=MW-13&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607302845&assigned_name=MW-13		

T181
NW
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000045462**

Well ID:	T0607301309-CB-02	Well Type:	MONITORING
Source:	EDF	Other Name:	CB-02
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607301309&assigned_name=CB-02&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607301309&assigned_name=CB-02		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

S182
SW
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000061164**

Well ID:	T0607302845-EW-3	Well Type:	MONITORING
Source:	EDF	Other Name:	EW-3
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607302845&assigned_name=EW-3&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607302845&assigned_name=EW-3		

T183
NW
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000009727**

Well ID:	T0607302827-MW-B4	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-B4
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607302827&assigned_name=MW-B4&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607302827&assigned_name=MW-B4		

T184
NW
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000113287**

Well ID:	T0607301309-CB-07	Well Type:	MONITORING
Source:	EDF	Other Name:	CB-07
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607301309&assigned_name=CB-07&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607301309&assigned_name=CB-07		

T185
NW
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000029815**

Well ID:	T0607301309-CB-10A	Well Type:	MONITORING
Source:	EDF	Other Name:	CB-10A
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607301309&assigned_name=CB-10A&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607301309&assigned_name=CB-10A		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

T186
NW
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000015671**

Well ID:	T0607301309-CB-01A	Well Type:	MONITORING
Source:	EDF	Other Name:	CB-01A
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607301309&assigned_name=CB-01A&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607301309&assigned_name=CB-01A		

V187
WSW
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000023344**

Well ID:	T0607302845-WCC-9	Well Type:	MONITORING
Source:	EDF	Other Name:	WCC-9
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607302845&assigned_name=WCC-9&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607302845&assigned_name=WCC-9		

V188
WSW
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000096030**

Well ID:	T0607302845-WCC-6	Well Type:	MONITORING
Source:	EDF	Other Name:	WCC-6
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607302845&assigned_name=WCC-6&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607302845&assigned_name=WCC-6		

T189
NW
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000082991**

Well ID:	T0607303122-URS-MW-4	Well Type:	MONITORING
Source:	EDF	Other Name:	URS-MW-4
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607303122&assigned_name=URS-MW-4&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607303122&assigned_name=URS-MW-4		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

T190
NW
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000056016**

Well ID:	T0607301309-CB-01B	Well Type:	MONITORING
Source:	EDF	Other Name:	CB-01B
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607301309&assigned_name=CB-01B&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607301309&assigned_name=CB-01B		

T191
NW
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000131729**

Well ID:	T0607302827-MW-15	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-15
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607302827&assigned_name=MW-15&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607302827&assigned_name=MW-15		

V192
WSW
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000024302**

Well ID:	T0607302845-EW-7	Well Type:	MONITORING
Source:	EDF	Other Name:	EW-7
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607302845&assigned_name=EW-7&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607302845&assigned_name=EW-7		

W193
WNW
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000067827**

Well ID:	T0607399218-MW-6	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-6
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607399218&assigned_name=MW-6&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607399218&assigned_name=MW-6		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

R194
WNW
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000053692**

Well ID:	T0607399218-MW-4	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-4
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607399218&assigned_name=MW-4&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607399218&assigned_name=MW-4		

V195
WSW
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000098403**

Well ID:	T0607302845-MW-103	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-103
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607302845&assigned_name=MW-103&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607302845&assigned_name=MW-103		

T196
NW
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000022122**

Well ID:	T0607302827-MW-19	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-19
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607302827&assigned_name=MW-19&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607302827&assigned_name=MW-19		

U197
West
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000142760**

Well ID:	T0608106225-MW-10	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-10
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0608106225&assigned_name=MW-10&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0608106225&assigned_name=MW-10		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

T198
NW
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000114887**

Well ID:	T0607302827-MW-14	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-14
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607302827&assigned_name=MW-14&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607302827&assigned_name=MW-14		

T199
NW
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000095516**

Well ID:	T0607301309-MW-14	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-14
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607301309&assigned_name=MW-14&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607301309&assigned_name=MW-14		

S200
WSW
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000041569**

Well ID:	T0607302845-MW-4	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-4
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607302845&assigned_name=MW-4&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607302845&assigned_name=MW-4		

S201
WSW
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000044638**

Well ID:	T0607302845-IRZ-10	Well Type:	MONITORING
Source:	EDF	Other Name:	IRZ-10
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607302845&assigned_name=IRZ-10&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607302845&assigned_name=IRZ-10		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

S202
WSW
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000108061**

Well ID:	T0607302845-MW-9	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-9
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607302845&assigned_name=MW-9&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607302845&assigned_name=MW-9		

U203
West
1/2 - 1 Mile
Higher

AQUIFLOW **38286**

Site ID:	Not Reported
Groundwater Flow:	Not Reported
Shallow Water Depth:	Not Reported
Deep Water Depth:	Not Reported
Average Water Depth:	15
Date:	10/07/1988

V204
WSW
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000052418**

Well ID:	T0607302845-EW-6	Well Type:	MONITORING
Source:	EDF	Other Name:	EW-6
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607302845&assigned_name=EW-6&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607302845&assigned_name=EW-6		

V205
WSW
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000034438**

Well ID:	T0607302845-MW-100	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-100
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607302845&assigned_name=MW-100&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607302845&assigned_name=MW-100		

T206
NW
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000087740**

Well ID:	T0607302827-MW-13	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-13

GAMA PFAS Testing: Not Reported
Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607302827&assigned_name=MW-13&store_num=
GeoTracker Data: https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607302827&assigned_name=MW-13

W207
WNW
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000096482**

Well ID: T0607399218-MW-9 Well Type: MONITORING
Source: EDF Other Name: MW-9
GAMA PFAS Testing: Not Reported
Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607399218&assigned_name=MW-9&store_num=
GeoTracker Data: https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607399218&assigned_name=MW-9

S208
WSW
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000056726**

Well ID: T0607302845-MW-202 Well Type: MONITORING
Source: EDF Other Name: MW-202
GAMA PFAS Testing: Not Reported
Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607302845&assigned_name=MW-202&store_num=
GeoTracker Data: https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607302845&assigned_name=MW-202

V209
WSW
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000021210**

Well ID: T0607302845-MW-102 Well Type: MONITORING
Source: EDF Other Name: MW-102
GAMA PFAS Testing: Not Reported
Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607302845&assigned_name=MW-102&store_num=
GeoTracker Data: https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607302845&assigned_name=MW-102

X210
NW
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000064841**

Well ID: T0607301273-MW-11 Well Type: MONITORING
Source: EDF Other Name: MW-11
GAMA PFAS Testing: Not Reported
Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607301273&assigned_name=MW-11&store_num=

GeoTracker Data: https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607301273&assigned_name=MW-11

S211
WSW
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000123827**

Well ID: T0607302845-MW-11
Well Type: MONITORING
Source: EDF
Other Name: MW-11
GAMA PFAS Testing: Not Reported
Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607302845&assigned_name=MW-11&store_num=
GeoTracker Data: https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607302845&assigned_name=MW-11

V212
WSW
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000129875**

Well ID: T0607302845-MW-106
Well Type: MONITORING
Source: EDF
Other Name: MW-106
GAMA PFAS Testing: Not Reported
Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607302845&assigned_name=MW-106&store_num=
GeoTracker Data: https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607302845&assigned_name=MW-106

S213
SW
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000120564**

Well ID: T0607302845-WCC-4
Well Type: MONITORING
Source: EDF
Other Name: WCC-4
GAMA PFAS Testing: Not Reported
Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607302845&assigned_name=WCC-4&store_num=
GeoTracker Data: https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607302845&assigned_name=WCC-4

V214
WSW
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000083896**

Well ID: T0607302845-MW-14
Well Type: MONITORING
Source: EDF
Other Name: MW-14
GAMA PFAS Testing: Not Reported
Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607302845&assigned_name=MW-14&store_num=
GeoTracker Data: https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607302845&assigned_name=MW-14

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

T215
NW
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000134082**

Well ID:	T0607303122-W-10	Well Type:	MONITORING
Source:	EDF	Other Name:	W-10
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607303122&assigned_name=W-10&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607303122&assigned_name=W-10		

W216
WNW
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000125713**

Well ID:	T0607399218-MW-5	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-5
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607399218&assigned_name=MW-5&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607399218&assigned_name=MW-5		

S217
WSW
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000123483**

Well ID:	T0607302845-MW-15	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-15
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607302845&assigned_name=MW-15&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607302845&assigned_name=MW-15		

V218
WSW
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000069007**

Well ID:	T0607302845-MW-101	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-101
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607302845&assigned_name=MW-101&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607302845&assigned_name=MW-101		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

U219
West
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000092376**

Well ID:	T0608106225-MW-11	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-11
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0608106225&assigned_name=MW-11&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0608106225&assigned_name=MW-11		

U220
West
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000082577**

Well ID:	L10006943141-SM-6	Well Type:	MONITORING
Source:	EDF	Other Name:	SM-6
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=L10006943141&assigned_name=SM-6&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=L10006943141&assigned_name=SM-6		

U221
West
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000139298**

Well ID:	T0608106225-RW3	Well Type:	MONITORING
Source:	EDF	Other Name:	RW3
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0608106225&assigned_name=RW3&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0608106225&assigned_name=RW3		

T222
NW
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000082303**

Well ID:	T0607303122-W-7	Well Type:	MONITORING
Source:	EDF	Other Name:	W-7
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607303122&assigned_name=W-7&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607303122&assigned_name=W-7		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

S223
SW
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000074001**

Well ID:	T0607302845-MW-5	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-5
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607302845&assigned_name=MW-5&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607302845&assigned_name=MW-5		

U224
West
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000093882**

Well ID:	T0608106225-RW1	Well Type:	MONITORING
Source:	EDF	Other Name:	RW1
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0608106225&assigned_name=RW1&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0608106225&assigned_name=RW1		

U225
West
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000108940**

Well ID:	T0608106225-RW2	Well Type:	MONITORING
Source:	EDF	Other Name:	RW2
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0608106225&assigned_name=RW2&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0608106225&assigned_name=RW2		

T226
NW
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000066185**

Well ID:	T0607303122-W-8	Well Type:	MONITORING
Source:	EDF	Other Name:	W-8
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607303122&assigned_name=W-8&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607303122&assigned_name=W-8		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

T227
NW
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000065953**

Well ID:	T0607303122-W-6	Well Type:	MONITORING
Source:	EDF	Other Name:	W-6
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607303122&assigned_name=W-6&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607303122&assigned_name=W-6		

X228
NW
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000081405**

Well ID:	T0607301273-MW-7	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-7
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607301273&assigned_name=MW-7&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607301273&assigned_name=MW-7		

X229
NW
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000037712**

Well ID:	T0607301273-MW-6	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-6
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607301273&assigned_name=MW-6&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607301273&assigned_name=MW-6		

230
ENE
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000101331**

Well ID:	T0607300907-MW-31	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-31
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607300907&assigned_name=MW-31&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607300907&assigned_name=MW-31		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

T231
NW
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000124137**

Well ID:	T0607303122-W-5	Well Type:	MONITORING
Source:	EDF	Other Name:	W-5
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607303122&assigned_name=W-5&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607303122&assigned_name=W-5		

T232
NW
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000089261**

Well ID:	T0607303122-W-12R	Well Type:	MONITORING
Source:	EDF	Other Name:	W-12R
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607303122&assigned_name=W-12R&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607303122&assigned_name=W-12R		

T233
NW
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000136217**

Well ID:	T0607303122-W-12	Well Type:	MONITORING
Source:	EDF	Other Name:	W-12
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607303122&assigned_name=W-12&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607303122&assigned_name=W-12		

U234
West
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000076788**

Well ID:	T0608106225-MW-12	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-12
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0608106225&assigned_name=MW-12&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0608106225&assigned_name=MW-12		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

Y235
WSW
1/2 - 1 Mile
Higher

CA WELLS **CAPFAS000000662**

Well ID:	L10006943141-SM-2	Well Type:	MONITORING
Source:	EDF	Other Name:	SM-2
GAMA PFAS Testing:	Yes		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=L10006943141&assigned_name=SM-2&store_num=		
GeoTracker Data:	Not Reported		

Y236
WSW
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000088952**

Well ID:	L10006943141-SM-2	Well Type:	MONITORING
Source:	EDF	Other Name:	SM-2
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=L10006943141&assigned_name=SM-2&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=L10006943141&assigned_name=SM-2		

Z237
NW
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000128955**

Well ID:	T0607302478-MW-2	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-2
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607302478&assigned_name=MW-2&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607302478&assigned_name=MW-2		

Z238
NW
1/2 - 1 Mile
Higher

CA WELLS **CAEDF0000061367**

Well ID:	T0619784179-RW-6	Well Type:	MONITORING
Source:	EDF	Other Name:	RW-6
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0619784179&assigned_name=RW-6&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0619784179&assigned_name=RW-6		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID Direction Distance Elevation			Database	EDR ID Number
Z239 **NW** **1/2 - 1 Mile** **Higher**			**CA WELLS**	**CAEDF0000015935**
Well ID:	T0607302478-MW-3	Well Type:	MONITORING	
Source:	EDF	Other Name:	MW-3	
GAMA PFAS Testing:	Not Reported			
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607302478&assigned_name=MW-3&store_num=			
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607302478&assigned_name=MW-3			
X240 **NW** **1/2 - 1 Mile** **Higher**			**CA WELLS**	**CAEDF0000065005**
Well ID:	T0607301273-MW-5	Well Type:	MONITORING	
Source:	EDF	Other Name:	MW-5	
GAMA PFAS Testing:	Not Reported			
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0607301273&assigned_name=MW-5&store_num=			
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0607301273&assigned_name=MW-5			
1G **NNE** **1/4 - 1/2 Mile** **Lower**	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	Not Reported S 6.5 15 Not Reported 08/31/1993	**AQUIFLOW**	**34135**
2G **NW** **1/4 - 1/2 Mile** **Lower**	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	Not Reported Not Reported Not Reported Not Reported 12 05/29/1987	**AQUIFLOW**	**38459**
3G **West** **1/2 - 1 Mile** **Lower**	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	Not Reported Not Reported Not Reported Not Reported 15 10/07/1988	**AQUIFLOW**	**38286**

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID Direction Distance Elevation			Database	EDR ID Number
4G **West** **1/2 - 1 Mile** **Lower**	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	9UT0892 E Not Reported Not Reported 22.5 01/11/1989	**AQUIFLOW**	**34147**
5G **West** **1/2 - 1 Mile** **Lower**	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	Not Reported NE 7.5 15 Not Reported 07/1990	**AQUIFLOW**	**38309**
6G **SE** **1/4 - 1/2 Mile** **Lower**	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	9UT1516 Not Reported 10 16 Not Reported 02/15/1990	**AQUIFLOW**	**34181**
7G **SE** **1/4 - 1/2 Mile** **Lower**	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	9UT0782 Not Reported Not Reported Not Reported >30 10/09/1987	**AQUIFLOW**	**37970**
8G **SW** **1/2 - 1 Mile** **Lower**	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	Not Reported E 3 18 Not Reported 07/31/1985	**AQUIFLOW**	**37928**

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

1
NW
1/2 - 1 Mile

OIL_GAS **CAOG14000006684**

API #:	0407300014	Well #:	1
Well Status:	Idle	Well Type:	Oil & Gas
Lease Name:	Lease by Davenport Oil & Gas Development Co.		
Field Name:	Any Field	Area Name:	Any Area
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS
RADON

AREA RADON INFORMATION

State Database: CA Radon

Radon Test Results

Zipcode	Num Tests	> 4 pCi/L
92078	5	0

Federal EPA Radon Zone for SAN DIEGO County: 3

Note: Zone 1 indoor average level > 4 pCi/L.
: Zone 2 indoor average level >= 2 pCi/L and <= 4 pCi/L.
: Zone 3 indoor average level < 2 pCi/L.

Federal Area Radon Information for Zip Code: 92078

Number of sites tested: 1

Area	Average Activity	% <4 pCi/L	% 4-20 pCi/L	% >20 pCi/L
Living Area - 1st Floor	0.800 pCi/L	100%	0%	0%
Living Area - 2nd Floor	Not Reported	Not Reported	Not Reported	Not Reported
Basement	Not Reported	Not Reported	Not Reported	Not Reported

PHYSICAL SETTING SOURCE RECORDS SEARCHED

TOPOGRAPHIC INFORMATION

USGS 7.5' Digital Elevation Model (DEM)
Source: United States Geologic Survey
EDR acquired the USGS 7.5' Digital Elevation Model in 2002 and updated it in 2006. The 7.5 minute DEM corresponds to the USGS 1:24,000- and 1:25,000-scale topographic quadrangle maps. The DEM provides elevation data with consistent elevation units and projection.

Current USGS 7.5 Minute Topographic Map
Source: U.S. Geological Survey

HYDROLOGIC INFORMATION

Flood Zone Data: This data was obtained from the Federal Emergency Management Agency (FEMA). It depicts 100-year and 500-year flood zones as defined by FEMA. It includes the National Flood Hazard Layer (NFHL) which incorporates Flood Insurance Rate Map (FIRM) data and Q3 data from FEMA in areas not covered by NFHL.
Source: FEMA
Telephone: 877-336-2627
Date of Government Version: 2003, 2015

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002, 2005, 2010 and 2015 from the U.S. Fish and Wildlife Service.

State Wetlands Data: Wetland Inventory
Source: Department of Fish and Wildlife
Telephone: 916-445-0411

HYDROGEOLOGIC INFORMATION

AQUIFLOW^{R} Information System
Source: EDR proprietary database of groundwater flow information
EDR has developed the AQUIFLOW Information System (AIS) to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted to regulatory authorities at select sites and has extracted the date of the report, hydrogeologically determined groundwater flow direction and depth to water table information.

GEOLOGIC INFORMATION

Geologic Age and Rock Stratigraphic Unit
Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - A digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

STATSGO: State Soil Geographic Database
Source: Department of Agriculture, Natural Resources Conservation Service (NRCS)
The U.S. Department of Agriculture's (USDA) Natural Resources Conservation Service (NRCS) leads the national Conservation Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps.

SSURGO: Soil Survey Geographic Database
Source: Department of Agriculture, Natural Resources Conservation Service (NRCS)
Telephone: 800-672-5559
SSURGO is the most detailed level of mapping done by the Natural Resources Conservation Service, mapping scales generally range from 1:12,000 to 1:63,360. Field mapping methods using national standards are used to construct the soil maps in the Soil Survey Geographic (SSURGO) database. SSURGO digitizing duplicates the original soil survey maps. This level of mapping is designed for use by landowners, townships and county natural resource planning and management.

PHYSICAL SETTING SOURCE RECORDS SEARCHED

LOCAL / REGIONAL WATER AGENCY RECORDS

FEDERAL WATER WELLS

PWS: Public Water Systems
Source: EPA/Office of Drinking Water
Telephone: 202-564-3750
Public Water System data from the Federal Reporting Data System. A PWS is any water system which provides water to at least 25 people for at least 60 days annually. PWSs provide water from wells, rivers and other sources.

PWS ENF: Public Water Systems Violation and Enforcement Data
Source: EPA/Office of Drinking Water
Telephone: 202-564-3750
Violation and Enforcement data for Public Water Systems from the Safe Drinking Water Information System (SDWIS) after August 1995. Prior to August 1995, the data came from the Federal Reporting Data System (FRDS).

USGS Water Wells: USGS National Water Inventory System (NWIS)
This database contains descriptive information on sites where the USGS collects or has collected data on surface water and/or groundwater. The groundwater data includes information on wells, springs, and other sources of groundwater.

OTHER STATE DATABASE INFORMATION

Groundwater Ambient Monitoring & Assessment Program
State Water Resources Control Board
Telephone: 916-341-5577
The GAMA Program is Californias comprehensive groundwater quality monitoring program. GAMA collects data by testing the untreated, raw water in different types of wells for naturally-occurring and man-made chemicals. The GAMA data includes Domestic, Monitoring and Municipal well types from the following sources, Department of Water Resources, Department of Heath Services, EDF, Agricultural Lands, Lawrence Livermore National Laboratory, Department of Pesticide Regulation, United States Geological Survey, Groundwater Ambient Monitoring and Assessment Program and Local Groundwater Projects.

Water Well Database
Source: Department of Water Resources
Telephone: 916-651-9648

California Drinking Water Quality Database
Source: Department of Public Health
Telephone: 916-324-2319
The database includes all drinking water compliance and special studies monitoring for the state of California since 1984. It consists of over 3,200,000 individual analyses along with well and water system information.

California Oil and Gas Well Locations
Source: Dept of Conservation, Geologic Energy Management Division
Telephone: 916-323-1779
Oil and Gas well locations in the state.

California Earthquake Fault Lines
Source: California Division of Mines and Geology
The fault lines displayed on EDR's Topographic map are digitized quaternary fault lines prepared in 1975 by the United State Geological Survey. Additional information (also from 1975) regarding activity at specific fault lines comes from California's Preliminary Fault Activity Map prepared by the California Division of Mines and Geology.

RADON

State Database: CA Radon
Source: Department of Public Health
Telephone: 916-210-8558
Radon Database for California

PHYSICAL SETTING SOURCE RECORDS SEARCHED

Area Radon Information
Source: USGS
Telephone: 703-356-4020
The National Radon Database has been developed by the U.S. Environmental Protection Agency (USEPA) and is a compilation of the EPA/State Residential Radon Survey and the National Residential Radon Survey. The study covers the years 1986 - 1992. Where necessary data has been supplemented by information collected at private sources such as universities and research institutions.

EPA Radon Zones
Source: EPA
Telephone: 703-356-4020
Sections 307 & 309 of IRAA directed EPA to list and identify areas of U.S. with the potential for elevated indoor radon levels.

OTHER

Airport Landing Facilities: Private and public use landing facilities
Source: Federal Aviation Administration, 800-457-6656

Epicenters: World earthquake epicenters, Richter 5 or greater
Source: Department of Commerce, National Oceanic and Atmospheric Administration

California Earthquake Fault Lines: The fault lines displayed on EDR's Topographic map are digitized quaternary fault lines, prepared in 1975 by the United State Geological Survey. Additional information (also from 1975) regarding activity at specific fault lines comes from California's Preliminary Fault Activity Map prepared by the California Division of Mines and Geology.

STREET AND ADDRESS INFORMATION

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Appendix D
Local Agency Records

Due to the large size of the file, the records are provided in a separate file.

Appendix E
Site Reconnaissance Photographs

Photo 1. Entrance to the subject property off of Linda Vista Drive.

Photo 2. Old pavement covering approximately 50% of subject property.

Photo 3. Dirt and low vegetation on the northwestern portion of the subject property.

Photo 4. Creek entrance from under Grand Ave. on the north central portion of the subject property.

Photo 5. Creek through the north central portion of the subject property.

Photo 6. Irrigation controller on the north central portion of the subject property, south of Grand Ave. and west of the creek.

Photo 7. Storm drain south of the creek near the center of the subject property.

Photo 8. Bridge across creek on the central western portion of the subject property.

Photo 9. Billboards on the northern portion of the subject property

Photo 10. Northern border of the subject property, adjoining Grand Ave. Powerlines can be seen in the background.

Photo 11. Eastern boundary of the subject property, the intersection of Linda Vista Drive and Grand Ave.

Photo 12. Metal fabrication and stone/cabinet store adjoining the southside of the subject property.

Photo 13. Auto repair on the adjoining property at the southwest corner of the subject property.

Photo 14. Landscaping company on the adjoining property on the north side of the western border of the subject property.

Photo 15. Former utilities on a building pad east of the creek on the subject property.

Photo 16. Storm drain on the adjoining parking lot west of the subject property.

Photo 17. Swale to Linda Vista Dr. on the southeastern portion of the subject property.

Photo 18. Concrete building materials on the southern border of the subject property.

Appendix F
Historical Aerial Photographs

Marcos Specific Plan

961 GRAND AVE

San Marcos, CA 92078

Inquiry Number: 7158032.8

October 24, 2022

The EDR Aerial Photo Decade Package

6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

EDR Aerial Photo Decade Package

10/24/22

Site Name:

Marcos Specific Plan
961 GRAND AVE
San Marcos, CA 92078
EDR Inquiry # 7158032.8

Client Name:

DUDEK
605 Third Street
Encinitas, CA 92024
Contact: Nicole Tucker

Environmental Data Resources, Inc. (EDR) Aerial Photo Decade Package is a screening tool designed to assist environmental professionals in evaluating potential liability on a target property resulting from past activities. EDR's professional researchers provide digitally reproduced historical aerial photographs, and when available, provide one photo per decade.

Search Results:

Year	Scale	Details	Source
2016	1"=500'	Flight Year: 2016	USDA/NAIP
2012	1"=500'	Flight Year: 2012	USDA/NAIP
2009	1"=500'	Flight Year: 2009	USDA/NAIP
2005	1"=500'	Flight Year: 2005	USDA/NAIP
2002	1"=500'	Acquisition Date: January 01, 2002	USGS/DOQQ
1996	1"=500'	Acquisition Date: January 01, 1996	USGS/DOQQ
1994	1"=500'	Acquisition Date: January 01, 1994	USGS/DOQQ
1990	1"=500'	Flight Date: September 06, 1990	USDA
1989	1"=500'	Flight Date: August 15, 1989	USDA
1985	1"=500'	Flight Date: September 13, 1985	USDA
1979	1"=500'	Flight Date: January 27, 1979	EDR Proprietary Landiscor
1970	1"=500'	Flight Date: March 06, 1970	EDR Proprietary Landiscor
1967	1"=500'	Flight Date: May 07, 1967	USGS
1964	1"=500'	Flight Date: April 09, 1964	USDA
1953	1"=500'	Flight Date: April 14, 1953	USDA
1946	1"=500'	Flight Date: December 30, 1946	USGS
1939	1"=500'	Flight Date: April 16, 1939	USDA

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INQUIRY #: 7158032.8

YEAR: 2016

= 500'

N

EDR

INQUIRY #: 7158032.8
YEAR: 2012
= 500'
N
EDR

INQUIRY #: 7158032.8
YEAR: 2009
= 500'
N
EDR

INQUIRY #: 7158032.8
YEAR: 2005
= 500'
N
EDR

INQUIRY #: 7158032.8
YEAR: 2002
= 500'
N
EDR

INQUIRY #: 7158032.8

YEAR: 1996

= 500'

N

EDR

INQUIRY #: 7158032.8
YEAR: 1994
= 500'
N
EDR

INQUIRY #: 7158032.8

YEAR: 1990

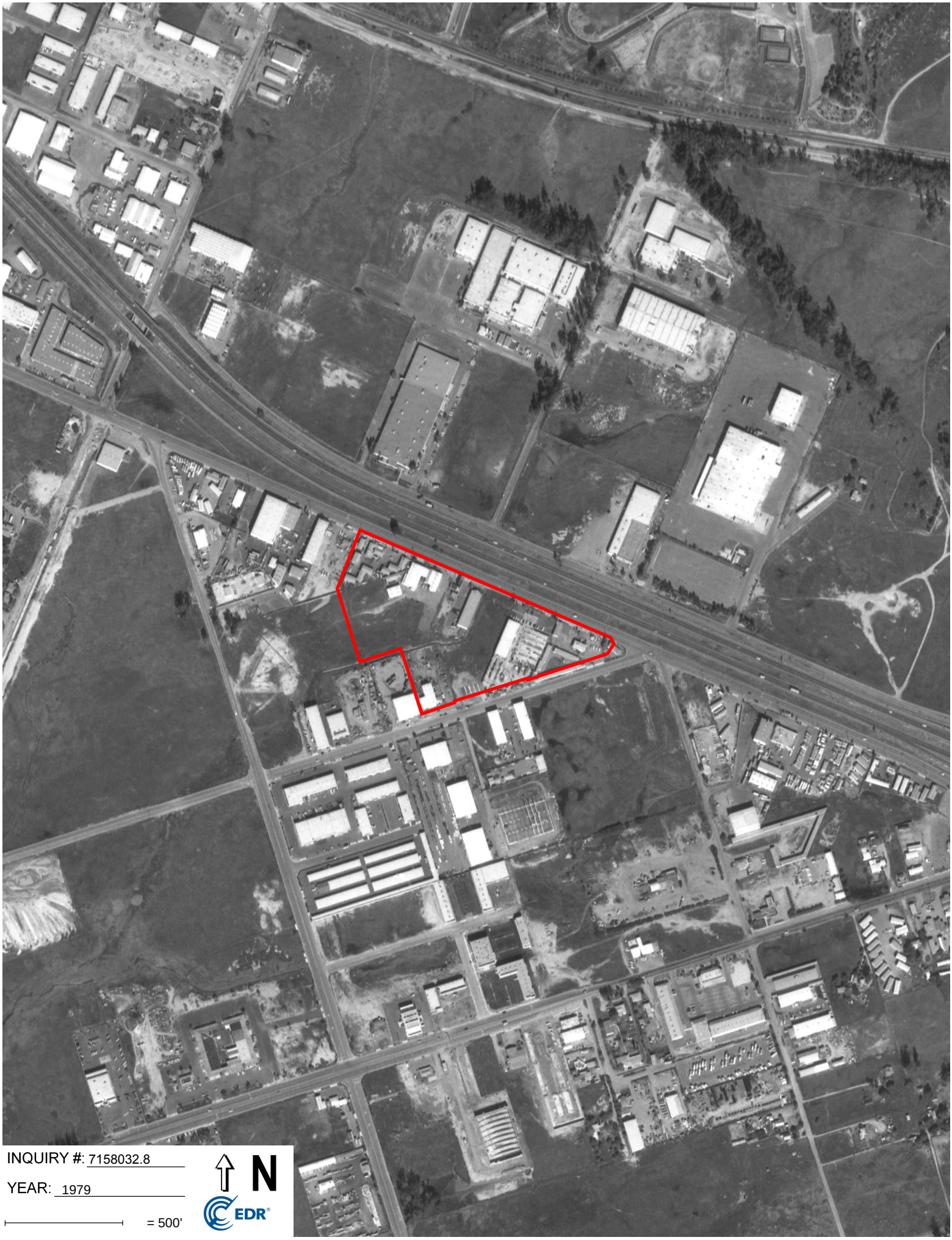
= 500'

N

EDR

INQUIRY #: 7158032.8
YEAR: 1989
= 500'
N
EDR

INQUIRY #: 7158032.8
YEAR: 1985
= 500'
N
EDR



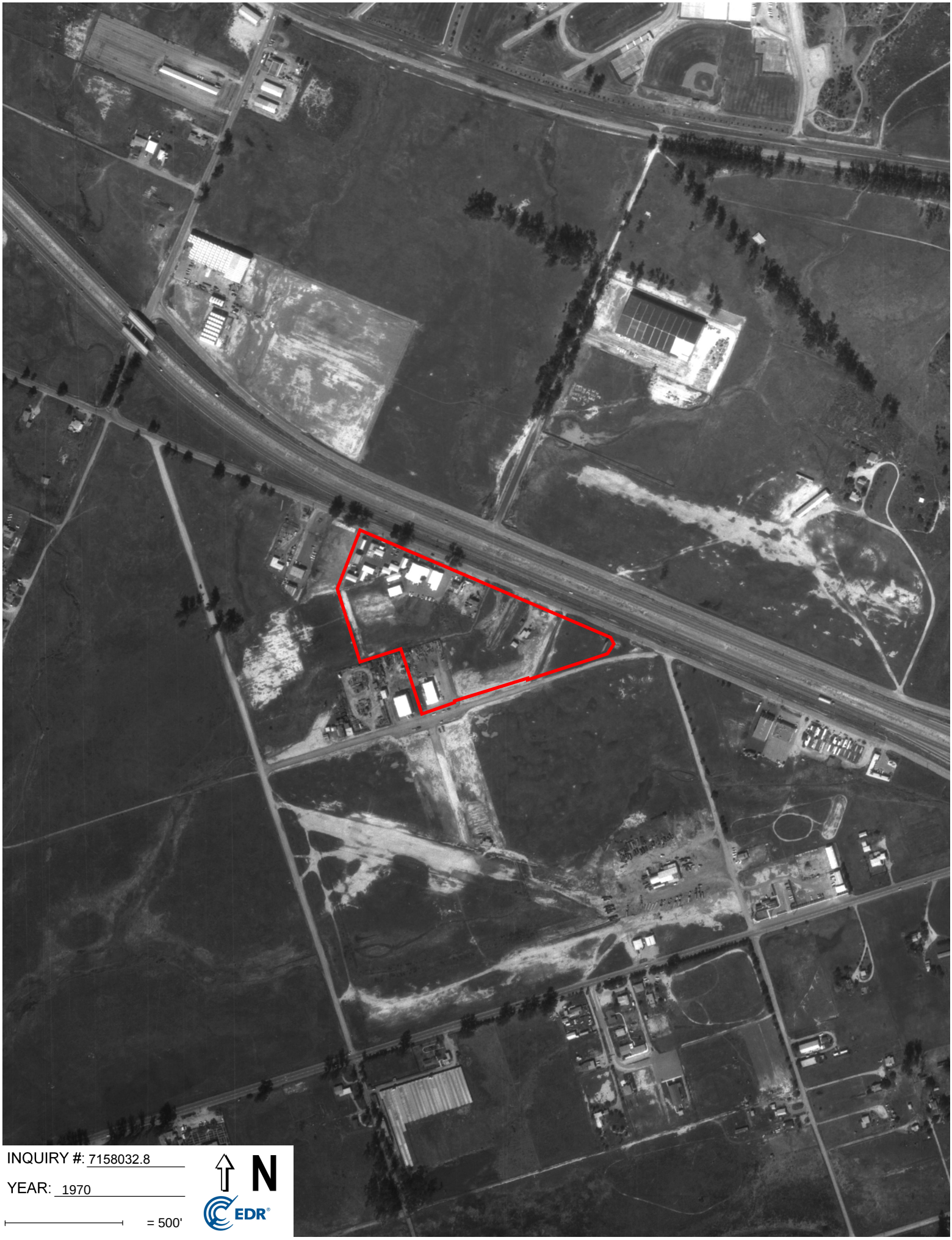
INQUIRY #: 7158032.8

YEAR: 1979

= 500'

N

EDR



INQUIRY #: 7158032.8

YEAR: 1970

= 500'

N

EDR

INQUIRY #: 7158032.8

YEAR: 1967

= 500'

N

EDR

INQUIRY #: 7158032.8

YEAR: 1964

= 500'

N

EDR

INQUIRY #: 7158032.8

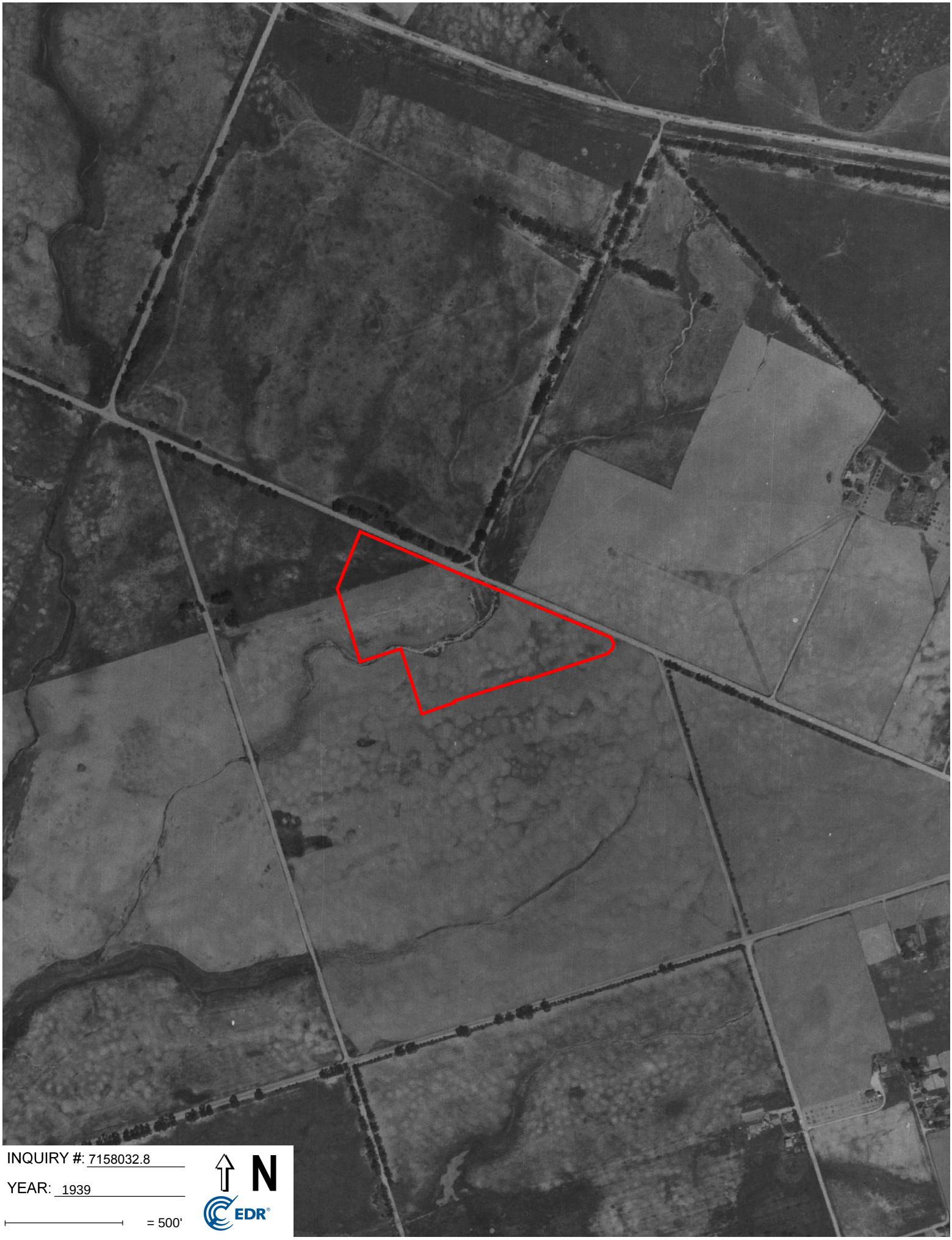
YEAR: 1953

= 500'

N

EDR

INQUIRY #: 7158032.8
YEAR: 1946
= 500'
N
EDR



INQUIRY #: 7158032.8

YEAR: 1939

= 500'

N

EDR

Appendix G

Certified Sanborn Map Report

Marcos Specific Plan

961 GRAND AVE

San Marcos, CA 92078

Inquiry Number: 7158032.3

October 24, 2022

Certified Sanborn® Map Report

6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

Certified Sanborn® Map Report

10/24/22

Site Name:	Client Name:
Marcos Specific Plan	DUDEK
961 GRAND AVE	605 Third Street
San Marcos, CA 92078	Encinitas, CA 92024
EDR Inquiry # 7158032.3	Contact: Nicole Tucker

The Sanborn Library has been searched by EDR and maps covering the target property location as provided by DUDEK were identified for the years listed below. The Sanborn Library is the largest, most complete collection of fire insurance maps. The collection includes maps from Sanborn, Bromley, Perris & Browne, Hopkins, Barlow, and others. Only Environmental Data Resources Inc. (EDR) is authorized to grant rights for commercial reproduction of maps by the Sanborn Library LLC, the copyright holder for the collection. Results can be authenticated by visiting www.edrnet.com/sanborn.

The Sanborn Library is continually enhanced with newly identified map archives. This report accesses all maps in the collection as of the day this report was generated.

Certified Sanborn Results:

Certification # CFE5-4F7E-AF00

PO # NA

Project 14763.06

UNMAPPED PROPERTY

This report certifies that the complete holdings of the Sanborn Library, LLC collection have been searched based on client supplied target property information, and fire insurance maps covering the target property were not found.

Sanborn® Library search results

Certification #: CFE5-4F7E-AF00

The Sanborn Library includes more than 1.2 million fire insurance maps from Sanborn, Bromley, Perris & Browne, Hopkins, Barlow and others which track historical property usage in approximately 12,000 American cities and towns. Collections searched:

- ☑ Library of Congress
- ☑ University Publications of America
- ☑ EDR Private Collection

The Sanborn Library LLC Since 1866™

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Appendix H
City Directory Report

Marcos Specific Plan
961 GRAND AVE
San Marcos, CA 92078

Inquiry Number: 7169205.1
November 07, 2022

The EDR-City Directory Image Report

6 Armstrong Road
Shelton, CT 06484
800.352.0050
www.edrnet.com

EDR® Environmental Data Resources Inc

TABLE OF CONTENTS

SECTION

Executive Summary

Findings

City Directory Images

Thank you for your business.
Please contact EDR at 1-800-352-0050
with any questions or comments.

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EXECUTIVE SUMMARY

DESCRIPTION

Environmental Data Resources, Inc.'s (EDR) City Directory Report is a screening tool designed to assist environmental professionals in evaluating potential liability on a target property resulting from past activities. EDR's City Directory Report includes a search of available city directory data at 5 year intervals.

RECORD SOURCES

EDR's Digital Archive combines historical directory listings from sources such as Cole Information and Dun & Bradstreet. These standard sources of property information complement and enhance each other to provide a more comprehensive report.

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Data by
infoUSA®
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RESEARCH SUMMARY

The following research sources were consulted in the preparation of this report. A check mark indicates where information was identified in the source and provided in this report.

Year	Target Street	Cross Street	Source
2017	☑	☑	EDR Digital Archive
2014	☑	☑	EDR Digital Archive
2010	☑	☑	EDR Digital Archive
2005	☑	☑	EDR Digital Archive
2000	☑	☑	EDR Digital Archive
1995	☑	☑	EDR Digital Archive
1992	☑	☑	EDR Digital Archive
1986	☑	☑	Haines Criss-Cross Directory
1982	☑	☑	Haines Criss-Cross Directory
1979	☑	☑	Haines Criss-Cross Directory
1975	☑	☑	Haines Criss-Cross Directory
1971	☑	☑	Haines Criss-Cross Directory

FINDINGS

TARGET PROPERTY STREET

961 GRAND AVE
San Marcos, CA 92078

Year	*CD Image*	*Source*
GRAND AVE		
2017	pg A2	EDR Digital Archive
2014	pg A7	EDR Digital Archive
2010	pg A12	EDR Digital Archive
2005	pg A17	EDR Digital Archive
2000	pg A24	EDR Digital Archive
1995	pg A31	EDR Digital Archive
1992	pg A37	EDR Digital Archive
1986	pg A43	Haines Criss-Cross Directory
1982	pg A45	Haines Criss-Cross Directory
1979	pg A47	Haines Criss-Cross Directory
1975	pg A49	Haines Criss-Cross Directory
1971	pg A51	Haines Criss-Cross Directory

FINDINGS

CROSS STREETS

Year	*CD Image*	*Source*
LINDA VISTA DR		
2017	pg. A5	EDR Digital Archive
2014	pg. A10	EDR Digital Archive
2010	pg. A15	EDR Digital Archive
2005	pg. A21	EDR Digital Archive
2000	pg. A28	EDR Digital Archive
1995	pg. A34	EDR Digital Archive
1992	pg. A40	EDR Digital Archive
1986	pg. A44	Haines Criss-Cross Directory
1982	pg. A46	Haines Criss-Cross Directory
1979	pg. A48	Haines Criss-Cross Directory
1975	pg. A50	Haines Criss-Cross Directory
1971	pg. A52	Haines Criss-Cross Directory

City Directory Images

Target Street	Cross Street	Source
✓	-	EDR Digital Archive

GRAND AVE 2017

555	HOBBY LOBBY
	WINCO FOODS
561	STAPLES
	STAPLES PRINT & MARKETING
563	CRUNCH SAN MARCOS
	CRUNCH FITNESS
565	INVESTMENT DEVELOPMENT SRVCS
	LESLIES SWIMMING POOL SUPPLIES
	SLEEP TRAIN MATTRESS CENTERS
567	ADT SECURITY SERVICES
	BEST BUY
573	APPLEBEES
	APPLEBEES NEIGHBORHOOD GRILL & BAR
575	CHIPOTLE MEXICAN GRILL
	PANERA BREAD
579	PHILS BARBEQUE OF POINT LOMA INC
587	CHICKFILA
591	JAMBA JUICE
	NOODLES & COMPANY
	TWO BROTHERS FROM ITALY PIZZA
	WHIRL SAN DIEGO LLC
595	DAPHNES CALIFORNIA GREEK
	DAPHNES GREEK CAFE
	GAMESTOP
	GNC
	JERSEY MIKES SUBS
	JET BAIL BONDS
	MILLER GARAGE DOORS & GATES
	MV KAKERY LLC DBA NOTHING BUNDT CAKE
640	WERMERS
744	GARRISON INSURANCE AGENCY INC
	MASSAGE CHI & SPA
	ORTHO SMILE
780	DISCOUNT TIRE
801	CASSIDYS BOOKS
	GRAND COUNTRY QUILTERS LLC
	SAN DIEGO CHILDRENS ACADEMY
815	MARTENS HEALTH & SURVIVAL
825	MODERN BUILDERS SUPPLY
849	ECKERT MOVING & STORAGE
	ECKERTS MOVING & STORAGE
	ECKERTS VAN & STORAGE
	NORTH AMERICAN VAN LINES
	OAKLEY RELOCATION
961	ACE HARDWARE
	STAR BUILDERS SUPPLY
1041	CALIFORNIA AIR COMPRESSOR COMPANY
	QUALAIR COMPRESSOR CO
1075	AMERICAN FENCE CO
1101	ECONOMY RESTAURANT EQUIPMENT & SUPPL

Target Street	Cross Street	Source
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GRAND AVE 2017 (Cont'd)

1111	ECONOMY RESTAURANT EQUIPMENT & SUPPL
1139	STONE DEPOT
1145	SAN DIEGO VAN & STORAGE CO EL CAJON
1155	JENNY SCHIEBERT DVM
	SHADOWRIDGE VETERINARY HOSPITAL
1215	POPEYES AUTO
	SONIC
1320	BUILDERS AUTOMATION & ELECTRONICS
	DAYTON INDUSTRIAL SUPPLY
	MICHAEL J ROOZEN DBA RUBBER STAMP &
	MODERN INTERIORS
	SAN MARCOS WOOD PRODUCTS
1325	NO VACANCY AGENCY INC
	TRISTAR CABINETS
1350	PARAMOUNT TRANSPORTATION SYSTEMS
1355	AMBIANCE
	MONSTER ELECTRONIC CIGARETTES
	SAN DIEGO DRUMS & TOTES
1365	EASTMONT FOOD SERVICE EQUIPMENT
1370	DEWEY PEST CONTROL
	EL DORADO STONE
1410	ELDORADO STONE
1415	AIRGAS
1420	MR BEACH
	TONYS UPHOLSTERY
1425	FERRELLGAS
1435	CALIBER COLLISION
1440	CLOONAN CORPORATION
	CREIGHTONDAVIS GALLERY
	P D Q DISTRIBUTORS NORTH
	SURESAFE SAFE EFS
1450	ALLSPACE SELF STORAGE
1510	PARADISE MOTORSPORTS
	VW PARADISE VOLKSWAGEN REPAIR SERV
	VW PARADISEINDEPENDENT VOLKSWAGEN R
1511	PREMIER BRACES
1523	RENAISSANCE
1525	A QUIET PLACE FLOATATION SPA
	A QUIET PLACE THERAPEUTIC MASSAGE SP
1529	CALIFORNIA MENTOR
	DAVID R OLINGER DC
	GARY SHIMA MD
	HEALTH & LONGEVITY INSTITUTE
1530	FIVE STAR GAS & GEAR INC
1531	A SERVANTS HEART INHOME CARE
	DYNAMIC ANALYSIS & TESTING ASSOCIATE
	EXECUTIVE MEDICAL HEALTH & WELLN
	GCAS
1535	CALIFORNIA TEACHERS ASSOCIATION
	LIBERTY TAX SERVICE

Target Street	Cross Street	Source
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GRAND AVE 2017 (Cont'd)

1537 CHIROPRACTIC HEALTH CENTER DR TRACY
MORE THAN HAIRCUTS
TAMARA ABURTOPRATT MD
1553 DIABETIC FOOT & WOUND TREATMENT CENT
KBR HEALTH PRODUCTS
KENNETH G CHARP DPM
NORTH COUNTY COMMUNITY SERVICES
REHM KENNETH B DPM
1555 PROPERTY MANAGEMENT & LEASING
SCCHR CONSTRUCTION
1557 FREEDOM FINANCIAL SERVICES
NORTH COUNTY COMMUNITY SERVICES
1560 LYONS MUFFLER & BRAKE
1566 ALIGNMENT PLUS & BRAKES
1590 LAKE PARK TERRACE ASSOCIATION
1595 ASSOCIATED SPEECH PATHOLOGISTS
KAREN MS III CCC
LONG H LE DDS
MARY ANNE MACLELLAN MA CCC

Target Street	Cross Street	Source
-	✓	EDR Digital Archive

LINDA VISTA DR 2017

977	HUES METAL FINISHING
985	DOGS ABOUND
999	SAROYAN LUMBER CO INC
	WURTH LOUIS & COMPANY
1015	ADVANCED HONEYCOMB TECHNOLOGIES CORP
	CROP PRODUCTION SERVICES
	HUBBARD DON CONTRACTIONG CO
1020	GLEN, SHAWNTA
	ORRELLS ARCHITECTURAL IRONWORKS INC
	SMOG CHECK STATIONS
	STATEWIDE FUMIGATION SAN DIEGO COUNT
1045	BEST SOLUTIONS
	CHAMPION PACKAGING
	COMMERCE CENTER INDUSTRIAL PARK
	ECLECTIC ELECTRIC
	MACDONALD PRODUCTS
	POWER BLASTER PRINTING
1050	VALLEY CHAIN & GEAR
1070	BLACK OXIDE SERVICE INC
	BOS GOLF
1075	BATTERY EQUALISER
	BIZ LAUNCHERS
	BRYSON & HAMMER CUSTOM HOMES
	BRYSON, RALPH M
	REM MECHANICAL INC
	SAN DIEGO RAIN GUTTERS
1080	FIBRACELL REEDS
	SOCAL BREAKERS
1125	ACCIDENT SOLUTION SAN MARCOS CA
	AMERICAN CONCRETE
	HARRY R BURTON DBA APPLI
	MICHAEL W RUSS CPA
	NEW HOPE CHARITABLE FOUNDATION
	STIGTEC MANUFACTURING
1145	CALIFORNIA SCENE INTERIORS
	EDGE DANCE ACADEMY
	FREEDOM GRAPHICS
	ODONNELL FORMULAS INC
	THE COUNTRY SCHOOL
1165	A+ HEATING & COOLING INC
	BALANCE AMERICA INCORPERATED
	E D M ENTERPRISES
	IDAC WEST INC
	METAL ETCH SERVICES INC
	MINI MICRO STENCIL INC
	UNI CARE HOME HEALTH INC
1185	NATURAL ALTERNATIVES INTERNATIONAL I
1195	A SQUARED TECHNOLOGY
	MATCH A RESIDENT
	RBI LLC

Target Street	Cross Street	Source
-	✓	EDR Digital Archive

LINDA VISTA DR 2017 (Cont'd)

1195	SUMNER PHOTOGRAPHY
1205	ALPHAGRAPHICS
1215	APPLIED INDUSTRIAL TECHNOLOGIES
	NEW WEST BALLET SCHOOL
1219	SPICE OF LIFE
1225	WIND & SHADE SCREENS
1231	CULINARY SPECIALTIES
1239	MACK PACKAGING
1241	D & D TOOL & SUPPLY
1249	GENERAL MILLWORK SUPPLY INC
	GENERAL MILLWORK SUPPLY INC DOORS WI
1255	BERNARD JENSEN INTERNATIONAL INC
1259	THE GOLTZ CORPORATION
1261	SOULY RAW PET FOOD
1263	AQUATECH
1267	CLEAR CUT GLASS INC
1281	CAPITAL ELECTRONICS INTERNATIONAL
1283	180 MEDICAL
1321	GRAINGER
	GRAINGER INDUSTRIAL SUPPLY
1355	PENSKE TRUCK RENTAL
1401	ROOFING WHOLESALE CO INC
1413	LASER TRONICS
	PARADISE WHEELS
1425	PLASMETEX INDUSTRIES INC
1455	HIRSCH PIPE & SUPPLY
1512	LA FE COCINA & MARKET
	LA FE TORTILLERIA INC
1520	SAN MARCOS CATERING
1530	FREE BUILDERS SUPPLY INC

Target Street	Cross Street	Source
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GRAND AVE 2014

555	LOWES
	LOWES HOME IMPROVEMENT
561	STAPLES
563	CRUNCH FITNESS
565	INVESTMENT DEVELOPMENT SRVCS
	LESLIES SWIMMING POOL SUPPLIES
	SLEEP TRAIN
567	BEST BUY
573	APPLEBEES NEIGHBORHOOD GRILL & BAR
575	CHIPOTLE MEXICAN GRILL
	PANERA BREAD
579	PHILS BARBEQUE OF POINT LOMA INC
587	CHICKFILA
591	JAMBA JUICE
	NOODLES & COMPANY
	TWO BROTHERS FROM ITALY
595	DAPHNES GREEK CAFE
	GAMESTOP
	GNC
	JERSEY MIKES SUBS
	SPRINT
744	EXPRESS EMPLOYMENT PROFESSIONALS
	MASSAGE CHI & SPA
	ORTHO SMILE
780	DISCOUNT TIRE
801	CASSIDYS BOOKS
	GRAND COUNTRY QUILTERS LLC
815	MARTENS HEALTH & SURVIVAL
	SKOVGARD CYNTHIA DC
823	CARMELLA CUCINA ITALIANA
825	MODERN BUILDERS SUPPLY INC
849	ECKERT MOVING & STORAGE
	ECKERTS MOVING & STORAGE
	ECKERTS VAN & STG
	ECKERTS VAN & STORAGE
	NORTH AMERICAN VAN LINES
961	ACE HARDWARE
1041	CALIFORNIA AIR COMPRESSOR COMPANY
	QUALAIR COMPRESSOR CO
1075	AMERICAN FENCE CO
	AMERICAN RENTAFENCE
1101	ECONOMY RESTAURANT EQUIPMENT & SUPPL
1139	STONE DEPOT
1145	MAYFLOWER AGENCYSD VAN & STORAGE CO
	SAN DIEGO VAN & STORAGE CO
	SAN DIEGO VAN & STORAGE COMPANY
	SAN DIEGO VAN & STORAGEMAYFLOWER AG
1155	LEVITT ANIMAL HOSPITAL
	SHADOWRIDGE VETERINARY HOSPITAL SAN
1215	SONIC

Target Street	Cross Street	Source
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GRAND AVE 2014 (Cont'd)

1320	BUILDERS AUTOMATION & ELECTRONICS
	CASTERS & WHEEL
	DAYTON INDUSTRIAL SUPPLY
	HOME INTERIOR CUSTOM UPHOLSTERY
	MICHAEL J ROOZEN DBA RUBBER STAMP &
	MODERN INTERIORS
	S & S DAYTON SUPPLY
	SAN DIEGO CHRISTIAN CHURCH
	SAN MARCOS POLISHING
	SAN MARCOS WOOD PRODUCTS
	SIGN DEPOT
1325	AA SOUTH COUNTY TOWING INC
	CEDAR PRO TOWING
	CEDAR TOWING
	NO VACANCY AGENCY INC
	TRISTAR CABINETS
1350	PARAMOUNT TRANSPORTATION SYSTEMS
1355	ABRE ENTERPRISES
	AMBIENCE
	DIGITAINMENT HOME AUDIO & VIDEO
	PACIFIC MOBILITY CENTER
	SHERLOCK HEATING & AIR CONDITIONIN
1365	BUGLESS BOWLS
	DE, MOTT B
	SOLID THRESHOLDS
1370	DEWEY PEST CONTROL
1415	AIRGAS
1420	MISTER BEACH
1435	CALIBER COLLISION
1440	CLOONAN CORPORATION
	CREIGHTONDAVIS GALLERY
	JAY JOHANSEN STUDIO LLC
	P D Q DISTRIBUTORS NORTH
1450	ALLSPACE SELF STORAGE
1456	GAMINO, MARIA
1510	PARADISE MACHINE SHOP
	PARADISE MOTORSPORTS
	VW PARADISE
	VW PARADISE INDEPENDENT VOLKSWAGEN R
1511	PREMIER BRACES
1523	RENAISSANCE
1525	A QUIET PLACE THERAPEUTIC MASSAGE SP
1528	JHIRAD, NAOMI
1529	CALIFORNIA MENTOR
	OLINGER DAVID R DC
1530	MATHESON TRIGAS INC
1531	DYNAMIC ANALYSIS & TESTING ASSOCIATE
	GCAS
1535	CALIFORNIA TEACHERS ASSOCIATION
	SAN MARCOS TAX SERVICE

Target Street	Cross Street	Source
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GRAND AVE 2014 (Cont'd)

1537	ABURTOPRATT TAMARA MD
	CHIROPRACTIC HEALTH CENTER DR TRACY
	MAGIE TRACY DR
	MORE THAN HAIRCUTS
1553	CHARP KENNETH G DPM
	DIABETIC FOOT & WOUND CENTER
	DIABETIC FOOT & WOUND TREATMENT CENT
	REHM KENNETH B DPM
1555	PROPERTY MANAGEMENT & LEASING
1557	FREEDOM FINANCIAL SERVICES
	NORTH COUNTY COMMUNITY SERVICES
1560	LYONS MUFFLER & BRAKE
1566	ALIGNMENT PLUS & BRAKES
1590	LAKE PARK TERRACE ASSOCIATION
1595	ASSOCIATED SPEECH PATHOLOGISTS
	ILL KAREN MS CCC
	LE LONG H DDS ENDODONTICS
	LOWE HERBERT JAC DDS
	MACLELLAN MARY ANNE MA CCC

Target Street	Cross Street	Source
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LINDA VISTA DR 2014

977	HUES METAL FINISHING
999	KAUFMAN, HERSCHEL
	SAROYAN LUMBER CO INC
1015	ADVANCED HONEYCOMB TECHNOLOGIES CORP
	CROP PRODUCTION SERVICES
	GREVEN, M
	HUBBARD DON CONTRACTIONG CO
1020	HARGROVE, SUSAN
	MISSION AUTO REPAIR
	SMOG CHECK STATIONS
1030	ANDERSON, BILL
1045	CHAMPION PACKAGING
	ECLECTIC ELECTRIC
	MACDONALDS PRODCTS
	PETER PHILIIPS FINE ARTS SERVICES
	PIONEROS DEL JARIPEO
	PORT JACK COMMERCE CENTER INDUSTRIAL
	POWER BLASTER PRINTING
1050	BILLET BADGES
	DUSK TO DAWN MOTORCYCLE SERVICE
	VALLEY CHAIN & GEAR
1070	BLACK OXIDE SERVICE INC
	BOS GOLF
1075	BATTERY EQUALISER
	BIZ LAUNCHERS
	BRYSON & HAMMER CUSTOM HOMES
	BRYSON, RALPH M
	LEGACY PROTECTIVE SERVICES
	PMC PRINTING
	REM MECHANICAL INC
	SAN DIEGO RAIN GUTTERS
1080	FIBRACELL REEDS
	SOCAL BREAKERS
1125	AMERICAN CONCRETE
	GILLESPIE, ADAM
	HARRY R BURTON DBA APPLI
	HERNANDEZ CHIROPRACTIC
	KINETIK SPORTSWEAR USA
	NEW HOPE CHARITABLE FOUNDATION
	RUSS MICHAEL W CPA
	STIGTEC MANUFACTURING
1145	EDGE DANCE ACADEMY
	FREEDOM GRAPHICS
	FREEDOM GRAPHICS INC
	ODONNELL FORMULAS INC
	RINGLER ASSOCIATES
1165	A SERVANTS HEART SENIOR CARE
	ACTION ELECTRONIC ASSEMBLY
	BALANCE AMERICA INCORPERATED
	E D M ENTERPRISES

Target Street	Cross Street	Source
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LINDA VISTA DR 2014 (Cont'd)

1165	IDAC WEST INC
	METAL ETCH SERVICES INC
	MINI MICRO STENCIL INC
	TERI INC
	UNI CARE HOME HEALTH INC 1
1185	NATURAL ALTERNATIVES INTERNATL
1195	A SQUARED TECHNOLOGIES
	CRAFTMAN DEVELOPMENT
	IYIA TECHNOLGIES
	MARSTON RESIDENTIAL APPRAISAL
	MATCH A RESIDENT
	PINKERTON
	RAY SCHOOLEY CUSTOM HOMES
	RBI
	SUMNER PHOTOGRAPHY
	TONERS & INKS USA
1205	ALPHAGRAPHICS
	AMERICAN ELECTRIC SUPPLY INC
1215	APPLIED INDUSTRIAL TECHNOLOGIES
1219	SPICE OF LIFE
1221	CALIFORNIA MOBILITY CENTER
1225	WIND & SHADE SCREENS
1231	CULINARY SPECIALTIES
1239	MACK PACKAGING
1241	D & D TOOL & SUPPLY
1245	DEVISE DEVELOPMENT
1249	GENERAL MILLWORK SUPPLY INC
1251	ACME MANUFACTURING
1255	BERNARD JENSEN INTERNATIONAL INC
1259	GOLTZ CORPORATION THE
1261	SOULY RAW PET FOOD
1263	AQUATECH
1267	CLEAR CUT GLASS INC
1281	CAPITAL ELECTRONICS INTERNATIONAL
1283	180 MEDICAL
1295	ELLEN STACEYS SHOWCASE
1321	GRAINGER
	GRAINGER BR 721
1355	PENSKE TRUCK RENTAL
1401	ROOFING WHOLESALE CO INC
1413	LASER TRONICS
	PARADISE WHEELS
1425	PLASMETEX INDUSTRIES INC
1455	HIRSCH PIPE & SUPPLY
1512	LA FE COCINA & MARKET
	LA FE TORTILLERIA INC
1520	SAN MARCOS CATERING
1530	FREE BUILDERS SUPPLY INC

Target Street	Cross Street	Source
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GRAND AVE 2010

555	LOWES
561	STAPLES
563	FURNITURE GROUP OF SAN DIEGO
565	INVESTMENT DEVELOPMENT SVC
	JENNIFER CONVERTIBLES
	SLEEP TRAIN MATTRESS CTR
567	BEST BUY
573	APPLEBEES NEIGHBORHOOD GRILL
575	PANERA BREAD
	SAN SAI JAPANESE GRILL
579	JOHNNY CARINOS ITALIAN
587	CHICKFILA
591	JAMBA JUICE
	NOODLES & CO
	NYPD PIZZERIA
595	3 DAY BLINDS
	CRUZ, GABRIELLE M
	DAPHNES GREEK CAFE
	GAMESTOP
	JOHNSON, MONIQUE
	OCONNOR, ROBERT L
640	HOME REMODELING CTR
744	BEATRIZ VIDALES INC
	EXPRESS EMPLOYMENT
	GARRISON INSURANCE
	ORTHO SMILE
780	DISCOUNT TIRE CO
801	CANINE WELLNESS CTR
	CASSIDYS BOOKS
	JOHNSON PRESCHOOL PRFRMNG ARTS
	LAKEVIEW FLORIST
815	COACHING STORE
	SKOVAGARD CYNTHIA DC
	SKOVGARD, CYNTHIA A
823	CARMELLA CUCINA ITALIANA
849	ECKERTS VAN & STORAGE
	NORTH AMERICAN VAN LINES
931	AUTOTUNE
	MISSION AUTO SALES
	S D MISSION AUTO SALES
939	SAN MARCOS CHAMBER OF COMMERCE
961	ACE HARDWARE
	STAR BUILDERS SUPPLY
983	ANTIQUE VILLAGE INC
1003	NEWEST SHEET METAL
1043	SAN MARCOS POLISHING
1075	AMERICAN FENCE CO
1101	ECONOMY RESTAURANT EQUIPMENT
	OLGEIRSSON, MARTIN A
1139	WHITE CAP CONSTRUCTION SUPPLY

Target Street	Cross Street	Source
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GRAND AVE 2010 (Cont'd)

1145	SAN DIEGO VAN & STORAGE CO
1155	SHADOWRIDGE VETERINARY HOSP
1215	POPEYES AUTO
1320	CASTERS & WHEEL
	DAYTON INDUSTRIAL SUPPLY
	FOREVER GREEN HM DECOR & MORE
	GENESIS WOODWORKING
	HAWKINS DOOR & TRIM
	LINDBERG WOODWORKS
	MODERN INTERIORS
	R & R CUSTOM BUILDERS
	SAN MARCOS WOOD PRODUCTS
	SHIMOOKA CNC
	SIGN DEPOT
1325	A A SOUTH COUNTY TOWING INC
	CEDAR PRO TOWING
	NO VACANCY HNDCPD TRANSPORT
	TRISTAR CABINETS
	WOLFPACK SIGN GROUP
1350	PARAMOUNT TRANSPORTATION SYSTS
1355	AMBIANCE GLASS & SHOWER DESIGN
	ATLANTA CARPET WORLD DESIGN
	INFINITE MOTION
	KAMAN INDUSTRIAL TECH
	M & M SVC
	PACIFIC MOBILITY CTR
	U S WINDOW & DOOR
1365	ALL PRECISION ENGINEERING
	DEL RIO CUSTOM CABINET CO
	FOUR WHEEL PARTS
	SOLID THRESHOLDS
	WINDOW AWNINGS UNLTD
1370	DEWEY PEST CONTROL CO
	ELDORADO STONE LLC
1415	AIRGAS
1420	MR BEACH
1435	CALIBER COLLISION CTR
1440	AMERICAN HEATING PLBG & AIR
	CLOONAN CORP
	DAVE COLLIER ELECTRIC
	KEY TARGET MEDIA LLC
	PDQ DISTRIBUTORS
1450	ALLSPACE SELF STORAGE
1510	PARADISE MACHINE SHOP
	V W PARADISE
1511	SCHOOLHOUSE DENTISTRY
1523	RENAISSANCE SALON
1525	PRETAINING WALLS CO
	RETAINING WALLS CO
1529	CSI GENERAL INC

GRAND AVE 2010 (Cont'd)

1529	HAHN & HINZE
	HEALTH & LONGEVITY
	HEALTH OF LONGEVITY
	OLINGER DAVID R DC
1530	FIVE STAR GAS & GEAR
1531	DATA
	GCAS INC
	MARTINEZ & ASSOC
1535	ALLIED INTRADE INC
	CALIFORNIA TEACHERS ASSN
1537	BALANCED FAMILY MEDN COUNTY
	BOUTELLE BARBARA
	CHIROPRACTIC HEALTH CTR
	FIRST SOUTHERN BAPT CHR
	IRVING TAX & FINANCIAL
1544	ALMETER, GINA
1553	DIABETIC FOOT & WOUND TRTMNT
	KBR HEALTH PRODUCTS
1555	FISH WINDOW CLEANING
	PROPERTY MANAGEMENT & LEASING
1557	FREEDOM FINANCIAL SVC
	NORTH COUNTY COMMUNITY SVC
1560	LYONS MUFFLER & BRAKE
1566	ALIGNMENT PLUS & BRAKES
1595	ASSOCIATED SPEECH PATHOLOGISTS
	GRAYBILL MEDICAL GROUP
	LARKINS PHILIP DPM
	LONG H LE ENDODONTICS
	NGUYEN NHUNG N DDS
	SPINAL DECOMPRESSION CTR

Target Street	Cross Street	Source
-	✓	EDR Digital Archive

LINDA VISTA DR 2010

975	JAX SCAFFOLD SYSTEMS LLC
977	HUES METAL FINISHING
999	SAROYAN LUMBER CO INC
1010	AMD MORTGAGE SVC INC
	SKY VALLEY FINANCIAL INC
1015	ADVANCED HONEYCOMB TCHNLGS
	CROP PRODUCTION SVC INC
	DON HUBBARD CONTRACTING CO
1020	PARIS STONE & MORE
1030	ANDERSON, BILL
1045	CHAMPION PACKAGING
	MAC DONALD PRODUCTS
	PACIFIC PULMONARY SVC
	PETER PHILLIPS FINE ART SVC
	POWER BLASTER PRINTING
	UNPARALLELED SALES
1050	DUSK TO DAWN MOTORCYCLE SVC
	VALLEY CHAIN & GEAR INC
1070	BLACK OXIDE SVC INC
	SLIVNIK MACHINING INC
1075	BATTERY EQUALISER
	BEYOND IMAGING
	BRYSON & HAMMER CUSTOM HOMES
	CONLEY, MARCI
	PMC PRINTING
	REM MECHANICAL
	UNIMED SUPPLY & SPECIALITY
1080	BLUE RIBBON STAIRS
	FIBRACELL REEDS
1125	APPLIANCE SPECIALISTS
	CREATIVE SUPPLEMENTS INC
	GILLESPIE, ADAM
	M J INTL
	RUSS MICHAEL W CPA
	STIGTEC MANUFACTURING
1145	COUNTRY SCHOOL
	EDGE DANCE ACADEMY
	FREEDOM GRAPHICS
	ODONNELL FORMULAS INC
	PRIME TILE INC
	RINGLER ASSOCIATES INC
1165	EDM ENTERPRISES
	METAL ETCH SVC INC
	MINI MICRO STENCIL INC
	OPSIS INC
	PHIL SCHNEIDER ENTERPRISES
1185	NATURAL ALTERNATIVES INTL INC
1195	A SQUARED TECHNOLOGIES
	CRAFTSMAN DEVELOPMENT CO
	FATHERS HOUSE

Target Street	Cross Street	Source
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LINDA VISTA DR 2010 (Cont'd)

1195	HYPNOZ THERAPEUTICS DEVICES
	IYIA TECHNOLOGIES
	TONERS & INKS USA
1205	AMERICAN ELECTRIC SUPPLY INC
	BIOTECHPLEX
1215	APPLIED INDUSTRIAL TECH INC
1219	SPICE OF LIFE
1221	CALIFORNIA MOBILITY CTR
1223	ECO ENERGY SYSTEMS
1231	CULINARY SPECIALTIES
1241	AAERO LAMINATORS
1249	GENERAL MILLWORK SUPPLY INC
1255	BERNARD JENSEN INTL
1263	AQUATECH
1267	CLEAR CUT GLASS INC
1277	RESTAURANTS ON THE RUN
1279	D & O ENTERPRISES
1281	CAPITAL ELECTRONICS INTL
1283	PROCOAT
1285	ALL TUBES
1291	CAPELLA COFFEE CO
1295	COMMUNICATIONS SERVICE CO
1321	GRAINGER
1355	PENSKE TRUCK RENTAL
1401	ROOFING WHOLESALE CO INC
1413	DIAMOND INDUSTRIES INC
	LASER TRONICS
1425	PLASMETEX INDUSTRIES INC
1455	HIRSCH PIPE & SUPPLY CO
1530	FREE BUILDERS SUPPLY
	FREES GYM

Target Street	Cross Street	Source
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GRAND AVE 2005

555	LOWE S HIW INC
563	LANE HOME FURNISHINGS
575	PANERA BREAD
579	JOHNNY CARINOS
591	MAGGIEMOOS ICE CREA & TREATERY
	MAGGIEMOOS ICE CREAM & TREATER
595	FILI, E
640	FLOOR SHOP INC THE
	KITCHEN & BATH SHOP INC
744	AMERICAN ALLEGIANCE INSURANCE GROUP
	ANYTHING IMPRINTED
	BOX, STAR
	CRAFTKABOOM
	MARTIN R CARBONE INC
780	DISCOUNT TIRE CO
795	SAN MARCOS MOTEL
801	HEADQUARTERS SALON & SPA THE
	LEARNING CHOICE ACADEMY CHARTE
	MATRIX ENGINEERS & CONTRA
	MATRIX ENGINEERS & CONTRACTORS INC
	RAINEYS MYSTICS BOOKS AND GIFT
	RAINYS S MYSTICS BOOKS & GIFTS
815	HOUSE OF ANTIQUES AND DOLLS
	PARADISE REALTY & MOBILE HOMES
	PARADISE REALTY MBL HOME SALES
	SKOVGARD, CYNTHIA
823	CARMELLA CUCINA ITALIANA
825	CALIFORNIA GLASS BLOCK & INSTALLATIO
	MODERN BUILDERS SUPPLY
837	MODERN BUILDERS SUPPLY INC
843	LONGSHOT SALOON
	WNM INDUSTRIES
849	ECKERT & SONS INC
	ECKERTS VAN & STORAGE
	NORTH AMERICAN VAN LINES
931	AUTO TUNE
	MISSION AUTO SALES
939	SAN MARCOS CHAMBER OF COMMERCE
	VALLEY OF DISCOVERY EDUCATION FND
961	STAR BUILDERS SUPPLY
983	ANTIQUE VILLAGE MALL INC
	SANDERS ANITA
1031	DR TRANS
	GLOBAL TRANSMISSIONS
1041	QUALAIR COMPRESSOR CO
1075	AMERICAN FENCE CO
1101	OLGEIRSSON, MARTIN A
1111	ECONOMY RESTAURANT & SUPPLIES INC
1139	WHITE CAP INDUSTRIES
1145	SAN DIEGO VAN & STORAGE CO MAYFLOWER

Target Street	Cross Street	Source
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GRAND AVE 2005 (Cont'd)

1155	ABRAMS IRA S DVM
	LEVITT ANIMAL HOSPITAL
1215	DAY MOTORS
	SUBURBAN DEALER COM
1255	A & B MATTRESS & FURNITURE WAR
	AB MATTRESS FURNITURE WRHS
	HALLOWEEN STORE
1311	AMERICAN CONCRETE
	OCCUPANT UNKNOWN,
1315	WESTERKAMP, IRENE I
1320	A & A THE CARPET STORE
	A & A WEST CARPET
	A & A WEST CARPETS AND FLOORING
	BUILDERS AUTOMATION AND ELECTRONICS
	DAYTON INDUSTRIAL SUPPLY
	HAWKINS DOOR & TRIM
	LINDBERG WOODWORKS
	MODERN INTERIORS
	QUALITY WOOD FINISHING
	RUBBER STAM PS TODAY
	SAN MARCOS WOOD PRODUCTS INC
	SEA POWER
	SHIMOOKA CNC
	SO CAL CREATIVE WOODWORK
	VALLEY CHAIN & GEAR INC
	WEIBRECHT INDUSTRIES
1325	LOGO LAND GRA PHICS
	NO VACANCY HANDICAPPED TRANSPORT
	QWIKSIGN & WOLFPACK SIGN GROUP
	TRISTAR CABINETS
1350	PARAMOUNT TRANSPORTATION SYSTEMS
1355	A MIRROR DECOR
	AMIRRECOR
	ATLANTA CARPET WORLD & FLOOR COVERIN
	ATLNT CRPT WORLD & FLOOR CVRN
	CALIFORNIA FLOORING
	CARPET TILE NATURAL STONES
	FASTENAL CO
	HAYES CUSTOM TILE NATURAL STONE
	INFINITE MOTION
	KAMAN INDUSTRIAL TECHNOLOGIES CO
	PERFECT PITCH INC
	PRO TEK TOOL REPAIR
	TOTAL INDEPENDENT SERVICE
	US WINDOW & DOOR
1365	ALL PRECISION ENGINEERING
	CARQUEST OF SAN MARCOS
	DEL RIO CUSTOM CABINETS
	PACIFIC FLOOR REMOVAL
	RICHARD TIMOTHY BEGG

GRAND AVE 2005 (Cont'd)

1365	WINDOW AWNINGS UNLIMITED
1370	DEWEY PEST CONTROL
	ELDORADO STONE LLC
1410	STONECRAFT INDUSTRIES LLC
1415	AIRGAS INC
	AIRGAS WEST
1420	C & R SYSTEMS
	EUROPART
	NASH WELDING
1425	FERRELLGAS
1435	CALIBER COLLISION CENTERS
	TRIPLE ACTION TOWING
1440	AMERICAN AIR PARTS CENTER
	DAVE, COLLIER
	MIL SOURCE ALLOYS
	PDQ DISTRIBUTORS
	RHINO LININGS OF NORTH COUNTY
1450	ALLSPACE SELF STORAGE
1510	PARADISE MACHINE SHOP
	SCOTTS VW PARADISE
	VW PARADISE PARTS & SERVICE
1511	KOCEJA MICHAEL K DDS
1523	RENAISSANCE
1529	ARCHULETA PHILIP A DC
	BLACKWOOD, TOM
	DIABETIC FOOT & WOUND CENTER
	DIABETIC FOOT & WOUND TREATMENT CENT
	KBR HEALTH PRODUCTS
	KENNETH REHM DPM
	OLINGER DAVID R DC
	PALAJAC DR STEPHEN
1530	IMPERIAL WELDING SUPPLY INC
1531	GCAS INC
	GIN SU HOLISTIC HEALTH
	PACIFIC RIM CRIBWALLS INC
1535	ALLIED INTRADE INC
	CALIFORNIA TEACHERS ASSOCIATION
1537	PHYSICAL REHABILITATION HND C
1553	VIVA HOMES NORTH COUNTY
1555	PROPERTY MANAGEMENT AND LEASING
1557	FREEDOM FINANCIAL SERVICES
	KRB MACHINERY CO
	NORTH COUNTY COMMUNITY SERVICE
1560	LYONS MUFFLER & BRAKE
1595	ASSOCIATED SPEECH PATHOLOGIST
	FRANK S SUTTON MD
	GRAYBILL MEDICAL GROUP
	HALL, W G
	HEARING HEALTH CARE
	PHILIP LARKINS DPM

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GRAND AVE 2005 (Cont'd)

1595 SAN MARCOS PHYSICAL THERAPY
SOUTHERN HEALTHWISE
SUTTON, FRANK S

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LINDA VISTA DR 2005

930 ALPINE MINI STORAGE
969 TRANSCONNECTION
975 SOUTH COAST FRAMERS INC
977 HUES METAL FINISHING
985 HIRSCH PIPE & SUPPLY CO
999 JAX SCAFFOLD SYSTEMS LLC
OCCUPANT UNKNOWN,
1010 ASTLEFORD CONSTRUCTION INC CA
RANLIN CONSTRUCTION
1015 ADVANCED HONEYCOMB TECHNOLOGY INC
DON HUBBARD CONTRACTING CO
HUBBARD DON CONTRACTING CO
HUBBARD, DONALD P
SANCHEZ, MANUEL G
WESTERN FARM SERVICE
1020 ADVANCE METAL FABRICATION
AMERIPACK INC
PROGRESSIVE METAL FABRICATION
1045 COMMERCE CENTER INDUSTRIAL P
KENNY EDWARD BUTLER
OMITRON INC
POWER BLASTER SCREEN PRINT
SOUTHWEST CAL INSTALLATION
UNIMED SUPPLY & SPECIALTY
1070 BLACK OXIDE SERVICE INC
1075 ABILITY FINANCIAL
EFFICIENT PRINT
KE MAR CO
REM MECHANICAL
SERVICE, ROBERT
1080 MIRI CORP
MUSIC INSTRUMENT REEDS INTERNATIONAL
1125 APPLIANCE SPECIALISTS
BELLASENZA HEALTHY HAIR INTL
CREATIVE SUPPLEMENTS INC
FLYWIRE INC
MJ INTERNATIONAL
MORTGAGE TREE LENDING
STIGTEC MANUFACTURING
1145 CAMPESINOS UNIDOS INC
COUNTRY SCHOOL THE
MANNY VALDEZ FINANCIAL CONSULTANT
ODONNELL FORMULAS INC
RINGLER ASSOCIATES
THE DRIP STORE
VICTOR KEMP CO
1165 ACTION ELECTRONIC ASSEMBLY
CLEAN MASTER CARPET & UPHOLSTERY CLG
E D M ENTERPRISES
IMPACT PROJECT MANAGEMENT

LINDA VISTA DR 2005 (Cont'd)

1165	METAL ETCH SERVICES INC
	MINI MICRO STENCIL INC
	OPSIS INC
	PLAY N TALK
	T SQUARED ENGINEERING
1185	NATURAL ALTERNATIVES INTERNATIONAL
1195	CRAFTSMAN DEVELOPMENT CO
	HOOKS & LATTICE
	JASMINE MONTESSORI SCHOOL
	NEWPORT EYES
	TONERS & INKS USA
1205	GAMBERINI, SERGIO
	LIVING FORCE FOODS
1215	APPLIED INDUSTRIAL TECHNOLOGIES
	NEXT DAY SPECIALTY DIST
1219	SPICE OF LIFE
1223	CR RESEARCH INDUSTRIES
1227	PERFORMANCE CAD CAM INC
1231	CULINARY SPECIALTIES INC
1239	A AERO LAMINATORS
1241	D & D SAW WORKS INC
1249	GENERAL MILLWORK SUPPLY INC
1255	TORRES TILE INC
1263	AQUA TECH AQUARIUM SERVICE & MAINTEN
1267	CLEAR CUT GLASS INC
1269	BREE ENGINEERING
1273	INDEPENDENT ENERGY SOLUTIONS
1277	PACIFIC COAST HARDWOOD FLRNG
1281	CABLE WORKS
1283	PROCOAT
1285	ALL TUBES
1287	PROWAVE MANUFACTURING
	PROWEST TECHNOLOGIES
	PROWEST TECHNOLOGIES IN
1289	PRECISION FIRE PROTECTION
1295	COMMUNICATIONS SERVICES CO
	FERRIS COMMUNICATIONS INC
1321	REFERENCE ACCOUNT 721
	WW GRANGER
1355	PENSKE TRUCK RENTAL
	THE HAVEN GROUP
1401	ROOFING WHOLESALE CO INC
1413	DIAMOND INDUSTRIES INC
	LASER TRONICS
	MANNING MOTORSPORT PERFORMANCE
	TANKERSLEY MANUFACTURING INC
1425	PLASMETEX INDUSTRIES INC
1455	PACIFIC FILTER
	PACIFIC WIRE SUPPLY
1520	PARKHOUSE TIRE

Target Street	Cross Street	Source
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LINDA VISTA DR 2005 (Cont'd)

1520 VISTA INDUSTRIAL CATERING
1530 FREE BUILDERS SUPPLY INC
FREES GYM

Target Street	Cross Street	Source
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GRAND AVE 2000

640 COLOR TILE SUPERMART
745 MOBILE MANSIONS INCORPORATED
R V PEDDLER INCORPORATED
WESTERN WEAR USA
785 KOZAK, BINA K
795 SAN MARCOS MOTEL
801 ANTIQUE RENDEZVOUS
ANTIQUES ETC
HEADQUARTERS THE
HOMELAND REAL ESTATE BROKERAGE
ILLUSTRATED WORD THE
LUCETTAS ANTIQUE ADVENTURES
RANCHO VILLAGE FLORIST
WILCOX GROUP THE
815 A SIGN COMPANY
CLAUDIAS COTTAGE
EAGLES WINGS HANG GLIDING
NEET AWNINGS AMERICAN AWNING COMPANY
SKOVGARD CYNTHIA DC
823 BAMFORD CONSTRUCTION COMPANY
CARMELA'S RESTAURANT
837 MODERN BUILDERS SUPPLY INCORPORATED
RUGWORKS
843 LONGSHOT SALOON
849 ECKERTS MOVING & STORAGE
ECKERTS VAN & STORAGE
NORTH AMERICAN VAN LINES
NORTH AMERICAN VAN LINES AGENT
NORTH AMERICAN VAN LINES NORTH COUNTY AGENT
931 ALLSTAR AUTO
AUTO TUNE
GARCIA, GEORGE H
SMOG CHECK STATIONS SAN MARCOS
939 SAN MARCOS CHAMBER OF COMMERCE
961 ACE HARDWARE
STAR BUILDERS SUPPLY
983 ANTIQUE VILLAGE MALL
1025 JERRYS EQUIPMENT
1031 K & K TRANSMISSION INCORPORATED
1041 QUALAIR COMPRESSOR COMPANY
1043 FRANKS AUTO
1047 COMPUTER EDGE AUTOMOTIVE
1049 MADDOCKS ROBERT W
1057 RODRIGUEZ, EDWARD R
1075 AMERICAN RED CROSS VEHICLE DONATION PROGRAM
AMERICAN RENT A FENCE
1101 CJS SOUTH
ECONOMY RESTAURANT & EQUIPMENT SUPPLY COMPANY
HOOD MASTERS OF CALIFORNIA
1131 ABABA QA

GRAND AVE 2000 (Cont'd)

1139 BUSTAMANTE, DAVID
WHITE CAP INDUSTRIES
1155 ABRAMS IRA S DVM LEVITT ANIMAL HOSPITAL
LEVITT ANIMAL HOSPITAL
1215 AUTOMOTIVE ALTERNATIVE INCORPORATED
CAR SMART
1251 HILL, KERRY
1255 G I JOES ARMY & NAVY SURPLU
1311 AMERICAN CONCRETE
1320 AFFORDABLE SYSTEMS
CHINA STAR
CHURCH OF CHRIST PALOMAR
CUSTOMIZED BUTTONS & MAGNETS
DAYTON INDUSTRIAL SUPPLY
HAWKINS DOOR & TRIM
KITCHEN DESIGN & DEVELOPMENT
LINDBERG WOODWORKS
MAGLIERI PETER & LUCY MODERN INTERIORS
MAKO BICYCLES
MAXWELL TOM ENTERPRISE WELDNG
MIRI CORPORATION
MODERN INTERIORS
PRO TEK TOOL REPAIR
RUBBER STAMPS TODAY
S & S DAYTON SUPPLY
SAN MARCOS WOOD PRODUCTS
SHIMOOKA CNC
SIGN DEPOT
VALLEY CHAIN & GEAR INCORPORATED
WEIBRECHT INDUSTRIES
1325 EMILS CABINETS
J I T WINDOWS & DOORS
KWIKSIGN
MILLENNIUM CONSTRUCTION INCORPORATED
NO VACANCY AGENCY INCORPORATED
QUICKSIGN
QWIKSIGN
TRISTAR CABINETS
1350 ORLEANS HEALTH
1355 4-WHEEL PARTS WHOLESALERS
A MIRROR DECOR
ACURA HONDA INDEPENDENT SERVICE INFINITE MOTION
AUTOSTRADA ADULT TOY CENTER
FOUR WHEEL PARTS
HONDA INDEPENDENT SERVICE INFINITE MOTION
INFINITE MOTION
KAMAN INDUSTRIAL TECHNOLOGIES CORPORATION
PAPS AUTO PAINT SUPPLY
PPM INCORPORATED
RESTORATIONS BY BILL TAYLOR

GRAND AVE 2000 (Cont'd)

1355	TOTAL INDEPENDENT SERVICE INFINITE MOTION
1365	AXLE WAREHOUSE
	CARQUEST AUTO PARTS
	DEMA ENGINEERING
	GRAND AUTO SUPPLY
	SAN MARCOS FOREIGN AUTO PARTS
	SOUTHERN AUTO SUPPLY
	UNITED AUTO GLASS
	UNLIMITED WINDOW AWNGS
1370	DEWEY PEST CONTROL CO COASTAL AREA
	DEWEY PEST CONTROL CO VISTA AREA
	DEWEY PEST CONTROL COMPANY
1410	STONECRAFT INDUSTRIES INCORPORATED
1415	AIR PRODUCTS AND CHEMICALS INCORPORATED
	AIR PRODUCTS AND CHEMICALS INCORPORATED MAIN PLANT
1420	DUPRODUCTS INCORPORATED
	EUROPART
	GIBSON WILL PHOTOGRAPHY
	NASH WELDING
	NATIONAL SUPER KART ALLIANCE
	POWER SOURCE RACING
	SOLUTIONS PLUS
1425	FERRELLGAS
1435	ROYAL RENT A CAR
	SAN MARCOS AUTOBODY
	TRIPLE ACTION TOWING
1440	ALS PRINT AND COPY SHOP
	COLLIER, DAVID J
	COPY SHOPPE PRINTING OF SAN MARCOS
	DESERT READY FABRICATION
	FRIES, EDMUND
	MIL SOURCE ALLOYS
	P D Q DISTRIBUTORS NORTH
	PRENTICE CONSTUCTION INCORPORATED
	RHINO LININGS OF NORTH COUNTY
1450	ALLSPACE SAN MARCOS
	HINSDALE, CAROLYN
1510	VW PARADISE
1529	ARCHULETA PHILIP A DC
	CSI GENERAL INCORPORATED
	DC DESIGN
	DIABETIC FOOT & WOUND TREATMENT CENTER
	GOLF DOCTORS THE
	OLINGER DAVID R DC
	REHM KENNETH DPM
1530	IMPERIAL WELDING SUPPLIES INCORPORATED
1531	AMTEK OFFICE
	APPLIED RISK MANAGEMENT
	RETAINING WALLS COMPANY
1535	ALLIED INTRADE INCORPORATED

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GRAND AVE 2000 (Cont'd)

1535	CALIFORNIA TEACHERS ASSOCIATION
1537	FIRST SOUTHERN BAPTIST CHURCH OF SAN MARCOS
1553	FRENCH WINE CLUB THE
	PROPERTY MANAGEMENT & LEASING
	THE FINANCIAL TEAM INCORPORATED
1555	SAN MARCOS HOME LOANS
1557	DUGGAN CONSTRUCTION
	KRB MACHINERY COMPANY
	MANNA CHRISTIAN FELLOWSHIP
1560	LYONS MUFFLER & BRAKE
1566	ALIGNMENT PLUS
1595	A CUSTOM QUALITY PAINTING
	ASSOCIATED SPEECH PATHOLOGISTS
	HALL W GREGORY MA CCC A
	HEARING HEALTH CARE
	HOFMAN ELIZA MA CCC
	ILL KAREN MS CCC
	KRISBURG MARK J MD
	LEKAWA HENRY J DPM
	MACLELLAN MARY ANN MA CCC
	MORASCO MICHAEL K RPT
	NORTH COUNTY URGENT CARE
	SAN MARCOS PHYSICAL THERAPY
	STANSBURY JAMES M MD FAMILY PRACTICE
	STANSBURY JAMES M MD URGENT CARE
	SUTTON FRANK S MD
	URGENT CARE CENTER
	VARCAK RONALD DO

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LINDA VISTA DR 2000

930 ALPINE MINI STORAGE STORGE FAC
969 TRANSCONNECTION
975 SOUTH COAST FRAMERS
977 HUES METAL FINISHING
985 AVANART
PERSNICKETY MANUFACTURING BY DESIGN
999 HICKS FARM SUPPLY
HICKS FARM SUPPLY COMPANY
1010 ASTLEFORD CONSTRUCTION INCORPORATED
PHOENIX MOTORCYCLE ACCESSORIES
1015 ADVANCED HONEYCOMB TECHNOLOGIES CORPORATION
US FILTER
1045 COMMERCE CENTER INDUSTRIAL PARK
NORTH COUNTY SCREEN PRINT
OMITRON INCORPORATED
PORT JACK COMMERCE CENTER INDUSTRIAL PARK
POWER BLASTERS SCREEN PRINT INCORPORATED
SANCO INDUSTRIES
SYNTERRA CORPORATION
UNIMED SUPPLY & SPECIALITY
1050 TIAGO
1070 B O S
SLIVNIK MACHINING
1075 BREWER DALE KEITH
JEX NOLAN
KE MAR COMPANY
LAND SURVEYING CONSULTANTS INCORPORATED
NORTH COUNTY SPEEDOMETER
ONE DERLAND L L C
PYER JIM PLASTERING
SERVICE ROBERT
STUCCO STAIN REMOVAL
SUB I P INCORPORATED
1080 COLLECTIBLE INVESTMENT
MORALLY WHOLESALE INCORPORATED
OROWEAT BAKING COMPANY REGIONAL OFFICE
1125 AMERICAN CENTRAL ALARM INCORPORATED
APPLIANCE SPECIALISTS
STIGTEC MANUFACTURING BUSINESS OFFICE
1145 BIO GENESIS INCORPORATED FOOD SUPPLMNT
CAMPESINOS UNIDOS INCORPORATED
COUNTRY SCHOOL THE
KEMP VICTOR COMPANY INCORPORATED
NORTH COUNTY BIO LABORATORY
1165 AD IMAGERY
AD PAK
BEEP BEEP SHOE CO THE
CLEAN MASTER CARPET UPHOLSTERY & DRAPERY CLEANERS
DEHAAN CORPORATION
E D M ENTERPRISES

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LINDA VISTA DR 2000 (Cont'd)

1165	LAW OFFICES OF MARK J MERTSOC
	M & L DISTRIBUTING COMPANY
	NATIONAL BANKERS ASSET AUTHORITY
	OPSIS INCORPORATED
	REWORK INNOVATIONS INCORPORATED
	SPECTRUM
	SPECTRUM ELECTRONICS
	TECHNICAL STANDARDS INCORPORATED
1175	ACCU TECHNOLOGY LASER PROCESSING INCORPORATED
	PROJECT WINSOME INTERNATIONALE
1195	LEECH DICK & ASSOCIATES
	PACIFIC BUILDERS HARDWARE & LIGHTING INCORPORATED
	TONERS & INKS USA
	TURK INTERNATL INCORPORATED
1205	OCEAN EDGE
1215	APPLIED INDUSTRIAL TECHNOLOGIES
	KING BEARING INCORPORATED
	KING BEARING INCORPORATED APPLIED INDUSTRIAL TECHNOLOGIES
	ORRELLS ARCHITECTURAL IRONWORKS INCORPORATED
1219	SANTOURIAN MANUFACTURING INCORPORATED
1221	AMERICAN LEGACY PRODUCTS
1229	FISH HOUSE FOODS PRODUCTION
1237	CLEAR CUT GLASS COMPANY
1239	A AERO LAMINATORS
1241	RETURN SYSTEMS
1249	GENERAL MILLWORK SUPPLY INCORPORATED
1259	D & S TECHNOLOGIES
	FUTON OUTLET
1263	AQUA TECHNOLOGY AQUARIUM SERVICE & MAINTENANCE
1267	TOUR IMAGE
1273	INDEPENDENT ENERGY SOLUTIONS
1275	HOMMERDING CONSULTING & CONSTRUCTION MANAGEMENT
1277	DREITEK
1281	D & D TOOL & SUPPLY
1283	HOMMERDING BILL CONSULTING
1285	ALL TUBES
1289	PRECISION FIRE PROTECTION
1295	COMMUNICATIONS SERVICES COMPANY
	FERRIS CELLULAR COMMUNICATIONS INCORPORATED
	FERRIS COMMUNICATIONS
	PALOMAR COMMUNICATIONS SERVICE COMPANY
1321	GRAINGER INDUSTRIAL SUPPLY
1355	ROLLINS TRUCK RENTAL LEASING
1401	ROOFING WHOLESALE COMPANY INCORPORATED
1413	DIAMOND INDUSTRIES
	LASER TRONICS
1425	PLASMETEX INDUSTRIES INCORPORATED
1455	AMERICAN SCHOOL OF NEEDLEWORK INCORPORATED
	ASN PUBLISHING
1520	PARKHOUSE TIRE INCORPORATED

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LINDA VISTA DR 2000 (Cont'd)

1530 FREE BUILDERS SUPPLY
FREES GYM
1535 SAN MARCOS YOUTH BASEBALL

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GRAND AVE 1995

640	SHERWIN WILLIAMS CO
745	NATIONAL ASSOCIATION CARRIERS
	RAGE FOR HAIR & NAILS
795	SAN MARCOS MOTEL
801	CHEVEUX STYLING SALON
	GRAND BARBERS
	HOMELAND REAL ESTATE BROKERAGE
	L J PIPELINE CONSTRUCTION INC
	PACIFIC MOBILE HOMES INC
	RANCHO VILLAGE FLORISTS & GIFT
	TITAN DESIGN GROUP
	TITAN RESOURCES INC
815	AMERICAN AWNING CO
	MARCEL GAUTHIER APPRAISAL SVC
823	BAMFORD BEEF & SPIRITS
	BAMFORD CONSTRUCTION CO
837	STEAMWORKS
843	LONGSHOT SALOON
849	ECKERTS MOVING & STORAGE
	ECKERTS VAN & STORAGE
	NORTH AMERICAN VAN LINES
931	AUTO TUNE
	AUTOMOTIVE OUTLET
	HERTZ PENSKE TRUCK RENTAL
961	STAR BUILDERS SUPPLY
983	ANTIQUE VILLAGE MALL
1025	PACIFIC RIM EQUIPMENT
1031	SCOTTS VW PARADISE
1043	FRANKS AUTO
1047	ACME AUTO & TRUCK ELECTRIC
	ACMES START N GO
1057	RUDYS RADIATOR SHOP
1101	HUB CONSTRUCTION SPECIALTIES
1111	ECONOMY RESTAURANT & SUPPLIES
1131	ABABA BOLT INC
1145	SAN DIEGO VAN & STORAGE CO
1155	LEVITT ANIMAL HOSPITAL
1215	VEHICLES INK INC
1311	AMERICAN CONCRETE
1320	BOP
	BUDGET PLUMBING
	CALIFORNIA STAIRS
	CHURCH OF CHRIST PALOMAR
	DAYTON INDUSTRIAL SUPPLY
	HAWKINS DOOR & TRIM
	HORAK GLASS & MIRROR
	KITCHEN DESIGN & DEVELOPMENT
	MAKO BICYCLES
	MATTSON, ROBT
	MODERN INTERIORS

GRAND AVE 1995 (Cont'd)

1320	NORTH COUNTY CLEANUP
	R F PARTS CO
	RIC
	S & S DAYTON SUPPLY
	SAN MARCOS WOOD PRODUCTS
	SHAWN STAACK CONSTRUCTION
	SHIMOOKA CNC
	STEVEN C HOOK SPECIAL MACHINE
	TIP TOP ENGINEERING
	TOM MAXWELL ENTERPRISE
	TRIMCO & ASSOC
	TUCKER DIESEL
	VALLEY CHAIN & GEAR INC
	WEAVERS UPHOLSTERY SVC
	WEBERS CUSTOM STUDIO
	WEIBRECHT INDUSTRIES
1325	EMILS CABINETS
	GRAND SAND
	M C SALES
	MIKES FLOORS
	TRISTAR CABINETS
	U S WINDOW & DOOR
1350	COLLECTIBLE INVESTMENT
	ECHEVERRIA, BEN
	FINER POINTS HAIR STUDIO
	GRAND CENTRE MASSAGE
1355	AUTOSTRADA ADULT TOY CTR
	INFINITE MOTION
	K & K TRANSMISSION INC
	KAMAN INDUSTRIAL TECHNOLOGIES
	PAPS AUTO PAINT SUPPLY
	PARADISE VW PARTS
	SIR SPEEDY PRINTING CTR
	TRIM LINE OF NORTH COUNTY
1365	AD LIFE LAMINATING
	DEMA ENGINEERING
	LAWNMOWERS PLUS
	NORTH COUNTY NUMBERING
	WINDOW AWNINGS UNLIMITED
1370	DEWEY PEST CONTROL CO
	STONECRAFT INDUSTRIES INC
1410	ALLIES PARTY EQUIPMENT RENTAL
	NORTH COUNTY FOOD CO OP
	QUALITY ASSURED INC
1415	AIR PRODUCTS & CHEMICALS INC
1420	MINI CAR & TRUCK SPECIALTIES
	SOLUTIONS PLUS
	WILL GIBSON PHOTOGRAPHY
	X SPORTS UNLIMITED
1425	FERRELLGAS

GRAND AVE 1995 (Cont'd)

1440	A & A TOOL SVC
	ALS COPY SHOPPE PRINTING
	PDQ DISTRIBUTORS
1450	ALLSPACE SAN MARCOS
1511	1910 SCHOOLHOUSE BAR B QUE
1523	VICKI HARMAN ANTIQUES
1529	CASA MANAGEMENT SVC
	EARTH SYSTEMS DESIGN GROUP
1530	IMPERIAL WELDING SUPPLIES INC
1531	RETAINING WALLS CO
1535	CALIFORNIA TEACHERS ASSN
1553	AFFILIATED NORTH CNTY PODIATRY
	GRAND TRAVEL
1555	PROPERTY MANAGEMENT & LEASING
	TAM SERVICES
1557	BLUE SHIELD ALL NORTH COUNTY
	CSI GENERAL INC
	GOULD BUILDING CONTRACTORS
	NO VACANCY AGENCY INC
1560	LYONS MUFFLER & BRAKE
1566	ALIGNMENT PLUS
1595	ASSOCIATED PATHOLOGISTS
	ASSPCIATED SPEECH PATHOLOGISTS
	ATUL VAHIL MD
	HEARING HEALTH CARE
	HENRY J LEKAWA DPM
	MARK J KRISBURG MD
	SAN MARCOS PHYSICAL THERAPY
	SAN MARCOS URGENT CARE CTR

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LINDA VISTA DR 1995

930 ALPINE MINI STORAGE
969 BLIND DIMENSTIONS
975 PUROFIRST OF SAN DIEGO COUNTY
SOUTH COAST FRAMERS
977 HUES METAL FINISHING
985 AVANART
PERSNICKETY MANUFACTURING DSGN
1010 ASTLEFORD CONSTRUCTION INC
WILLIAM KIRCHNAVY CONSTRUCTION
1015 ADVANCED HONEYCOMB TECHNOLOGY
PARKSON INC
WESTERN FARM SVC
1020 UNDERWATER KINETICS
1045 COMMERCE CENTER INDUSTRIAL PK
NORTH COUNTY COMPRESSOR
NORTH COUNTY SCREEN PRINT
OMITRON INC
POWER BLASTERS SCREEN PRINT
ROBECK ELECTRICAL MAINTENANCE
SOUTHWEST CAL INSTALLATION
SYNTERRA CORP
WLB ASSOC
1050 ALAR PRODUCTS DISTRIBUTORS
TIAGO
VALLEY WATERBEDS
1070 BLACK OXIDE SVC
SLIVNIK MACHINING
1075 CORWIN, BETTY
ELECTRIC CAR DISTRIBUTORS
IMA INDUSTRIAL MOLECULAR
KE MAR CO
L & L DISTRIBUTORS
LAND SURVEYING CONSULTANTS
LAND SURVEYING CONSULTANTS INC
MARTYS PATIO
SAN DIEGO RAIN GUTTERS
SAN DIEGO RAINGUTTERS
SPARTAN FLOOR COVERINGS INC
1080 OROWEAT BAKING CO
PACIFIC TRINETICS CORP
1125 APPLIANCE SPECIALISTS
BEVERLY MILLER
FIRE PROTECTION PRODUCTS INC
MEDICAL INSTRUMENT CO
NISHHIRA, ROBERT
STIGTEC MANUFACTURING
1145 ARC DISTRIBUTORS
BIO GENESIS INC
CAMPESINOS UNIDOS INC
EXPO TRANS

Target Street	Cross Street	Source
-	✓	EDR Digital Archive

LINDA VISTA DR 1995 (Cont'd)

1145 INTER GLOBE
ODONNELL, BOYD
PACK LAB INC
VICTOR KEMP CO
1165 AD IMAGERY
AD PAK
CLEAN MASTER
CLEAN MASTER CARPET CLEANERS
COUNTRY SCHOOL
EDM ENTERPRISES
1175 ACCU TECH LASER PROCESSING INC
1185 CELL LIFE INTL
NATURAL ALTERNATIVES INTL
SPECIFIED LIGHTING INC
1195 BALLOON LITE CO
DICK LEECH & ASSOC
PACIFIC BUILDERS HARDWARE INC
PROJECT WINSOME INTERNATIONALE
SONERGY INC
TONER DISTRIBUTOR
TURK INTERNATIONAL
WESTERN PACIFIC LIGHTING
1205 VERITEK
1215 KING BEARING INC
ORRELLS ARCHITECTURAL
ORRELLS ORNAMENTAL IRON
1219 WPA IMPORT PARTS & ACCES
1229 FISH HOUSE FOODS
1231 DESIGN FABRICATION INC
OCCUPANT UNKNOWNN
1237 CLEAR CUT GLASS CO
1239 A AERO LAMINATORS
1241 RODNEY STOKES CO
1245 FLOYDS APPLIANCE SVC
1249 GENERAL MILLWORK SUPPLY CO
1269 MERCURY TOOL & DIE CORP
1273 A GOOD PIECE OF GLASS
1275 DONAN STUDIO
1277 CHIPSTAR
1279 OCCUPANT UNKNOWNN
1283 A P DESIGNS
PASEO LAND CONSTRUCTION
1289 PRECISION FIRE PROTECTION
1291 TECHNOLOGY CONNECTION
1295 COMMUNICATIONS SERVICES CO
FERRIS CELLULAR COMMUNICATIONS
FERRIS COMMUNICATIONS
TURNER, ROBERT F
1321 W W GRAINGER INC
1355 MONIER ROOF TILE INC

LINDA VISTA DR 1995 (Cont'd)

1355 REDLAND CLAY TILE
1401 ROOFING WHOLESALE CO
1413 LINDA VISTA SEWING CORP
PROFESSIONAL GLASS WORKS
TANKERSLEY, STEPHEN J
1425 PLASMETEX INDUSTRIES INC
1455 ASN PUBLISHING INC
POWER PLUS CORP
1512 LA COSTA TOWING
1520 PARKHOUSE TIRE INC
1530 FREE BUILDERS SUPPLY
FREES GYM
1535 BRADLEY PARK

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GRAND AVE 1992

640 SHERWIN WILLIAMS CO
745 EXCALIBUR SCRTY SRV
G T BICYCLES
JOHNSON GENE
KADER INVESTMENTS
NATL ASN CARRS 2525
ORR, F A
SANMARCOS OFC SPLY
795 SANMARCOS MOTEL
801 CERTIFIED CROWN LAB
CHEVEUX STYLING SLN
HOMELAND RE BRKRGE
L J PIPELINE CONSTR
PERFRMNC MBL HOMES
RANCHO RD BRBR SHOP
823 BAMFORD BEEF&SPIRIT
825 MODERN BLDRS SPLY
833 AMER AWNING CO
843 LONGSHOT SALOON
849 ECKERTS MOVING&STRG
NORTH AMER VAN LINE
931 AUTO TUNE
SOUTHWST R V
939 CHRAPKO, RON
961 STAR BUILDERS SPPLY
983 ANTIQUE VILLAGE MLL
1031 SCOTTS V W PARADISE
1039 BUFF N STUFF
1043 FRANKS AUTO
1047 PERFRMNC KART MART
TIRE MART
WINDOW AWNINGS
1049 REINER, HAROLD
1057 RUDYS RADIATOR SHOP
1075 AMER FENCE CO OF CA
1111 HOODMASTERS OF CA
1131 A B A B A BOLT INC
1137 ELECTRL SALES INC
1145 MAYFLOWER TRANSIT
1155 LEVITT ANIMAL HOSP
1215 VEHICLES INK
1255 BINGO CASH&CARRY
1311 AMER CONCRETE
1320 ACTION MACHINING CO
B O P
BUDGET HTG&PLMBG
CA ACCDNT INVSTGTNS
CHURCH OF CHRIST
GOLDEN ST C&C MLLNG
HAWKINS DOOR TRIM

GRAND AVE 1992 (Cont'd)

1320 HOOK S SPCL MCHN CN
LIBUSE GRAPHICS
M&M CO INC
MAGLIERI LUCY
MAGLIERI, PETER
MAXWELL TOM ENTP
NELSON DOROTHY INTR
PALOMAR ELCTRNC RPR
PHOENIX SERVICES
R F PARTS CO
RESEARCH INST CMPTR
ROBERT JAMES PRDS
S&S DAYTON SUPPLY
SANMARCOS WOOD PROD
SHIMOOKA CNC
SHIMOOKA, CNC
STA AIR COMPRESSORS
TIP TOP ENGINEERING
TUCKER DIESEL
TUCKER, DIESEL
VALLEY CHAIN&GEAR
WEAVERS UPHLSTRY SV
WEIBRECHT INDUSTRS
WORK STORES THE
1325 C&E SPORTS CLLCTBLS
CARBURETORS UNLTD
CORNERSTONE CORP
GRAND SAND THE
INFINITE MOTION
M C SALES
UNIVRSL QUARTZ
US WINDOW&DOOR
1350 CA SPORTS&FITNESS
HAIR LOCKER
MASSAGE WORKS
VINEYARD FELLOWSHIP
1355 DIMENSIONAL MLLWRK
K&K TRANSMISSION
KAMAN BEARING&SPLY
NORTH CO HARDWARE
PARADISE V W PARTS
SIR SPEEDY PRINTING
1365 AD LIFE LAMINATING
DEMA ENGINEERING
LAWNMOWERS PLUS
MATTHEWS CO
NORTH CO NUMBERING
1370 DEWEY PEST CONTROL
MILEAGE PLUS
1410 CA DRAPERIES

GRAND AVE 1992 (Cont'd)

1410 NORTH CO FOOD COOP
S&S ACRYLICS
1415 AIR PRDS&CHMCL
1420 ALLIES PARTY EQP
BORLAND CABINET SH
GIBSON WILL PHOTO
MINI CAR&TRUCK
PARKER PRODUCTIONS
RANCHO GLASS CO
SOLUTIONS PLUS
1425 FERRELLGAS
1435 ARMADILLO SAFES
ARMOR SAFE CORP
1440 BEST IMPACT INC
COPY SHOPPE THE
P D Q DISTB NORTH
PAPS AUTO PAINT SPL
QUALITY OVERHEAD DR
1450 ALLSPACE SAN MARCOS
1510 STAR TOOL&SPL CO
1511 LOST IN TIME
1523 HARMAN VICKI ANTQS
1529 CASA MANGMNT SERV
1530 CARNEY MARY INS AG
IMPERL WELDING SPLY
STOKES DAVID INS
TALIN TIRE INC
1531 C S I GENERAL INC
RETAINING WALLS CO
1535 CA TEACHERS ASCTN
FARMERS INS
1553 AFFILIATD PODIATRY
GRAND TRAVEL
1555 EXPERT MBL HM BRKRS
1560 JOHNS AUTO PARTS SH
1566 ALIGNMENT PLUS
1595 ASSOCTD SPCH PATH
HEARING HEALTH CARE
KELLEY CHARLES MD
LEKAWA HENRY J DPM
MILLSBROGAN L LCSW
MORASCO MICHL K RPT
URGENT CARE CENTER

Target Street	Cross Street	Source
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LINDA VISTA DR 1992

930	ALPINE MINI STORAGE
975	COLLECTIBLE INVSTMT
	MORALLY WHSL INC
977	HUES METAL FINISHNG
985	AVANART
	PERSNICKETY MFG
1010	ASTLEFORD CONST INC
	KIRCHNAVY WM CONSTR
	TEMPLETON GRADING
1015	ADVANCED HONEYCOMB
	COAST TURF&UTILITY
	PARKSON INC
	WESTRN FARM SERVICE
1020	UNDERWATER KINETCS
1045	BRUNSON INSTRUMENT
	COMRCE CTR IND PARK
	EDISON LIGHTNG MNTC
	ROUX, ROLAND
	SOUTHWST CAL INSTLL
	TOTAL AUDIO
	W L B ASSOCIATES
1050	TYS PLUMBING CO INC
	VALLEY MFG
1070	BLACK OXIDE SERVICE
	SLIVNIK MACHINING
1075	DOLLY N ME
	KE MAR CO INC
	MARTYS PATIO&AWNING
	PROFSNL EDCTR FNCL
	SPARTAN FLOOR CRVGS
	UTILITY VEHICLE SRV
1080	OROWEAT BAKING CO
	S M T INC
1125	ASSOC AIR SYS
	FIRE PRTCTN PROD
	MEDICAL INSTRUMENT
	MILLER BEVERLY
	MILLER, BEVERLY
	PAC TRINETICS CORP
	STIGTEC MFG
1145	CAMPESINOS UNIDOS
	JULIAN INC ELCTL
	KEMP VICTOR CO INC
	OCEANA CATERING SVS
	RESIDENTIAL GLASS
	SD PAY TELEPHONES
	TITAN RESOURCES INC
1165	A P DESIGNS
	AD PAK
	CLEAN MASTER CARPET

LINDA VISTA DR 1992 (Cont'd)

1165 COUNTRY SCHOOL THE
E D M ENTERPRISES
PICASSO&FRIENDS
1175 ACCU TECH LSR PRCSG
1185 PRO CAP
SOUTH CST FRAMERS
SPECIFIED LIGHTING
1195 BALLOON LITE CO
GUNTHERS ATHLTC SRV
HOCK WILLIAM A
LEECH DICK&ASSOCTS
PAC BLDRS HARDWARE
SONERGY INC
TAYLOR TRIM&SUPPLY
TONER DISTRIBUTERS
TURK INTERNATL
VISION WEST
1205 VERITEK
1215 KING BEARING INC
ORRELLS IRON&WLDG
1219 ACQUA COOLERS
SOUND WAVES
1221 LANDTROOP J AG 1878
1229 FISH HSE FOODS
1231 DESIGN FABRICTN INC
1237 PLASTIC DISPLAY PRD
1239 LINDA VISTA OFFICE
1241 RODNEY STOKES CO
1249 RUSS M W CPA MBPA
1251 FAX FOODS INC
1257 ADVANCED MTRL TECH
1263 SOUTHRN CA ART
1267 KOSKO GLASS
1269 POLYCHEM ELECTRONIC
1273 GIZMOS
MASTER DIE CUTTING
1279 R B HOME MED SUPPLY
1281 SHASTA LANDSCAPING
1283 COSTA DEL MAR ENTP
MERRY MAIDS INC
1285 STAR TRONIX
1295 COMNCTNS SERV CO
FERRIS CELLULAR INC
1321 GRAINGER W W INC
1355 MONIER ROOF TLE INC
1401 ROOFING WHOLESALE
1413 DIRECTED ELECTRONIC
1425 PLASMETEX INDSTRIES
1455 AMER SC NEEDLEWORK
POWER PLUS CORP

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LINDA VISTA DR 1992 (Cont'd)

1512 CORONA TRUCK PNTNG
1520 BEACH WEATHERSTRIP
SCHMID INSLTN CONTR
1530 A&A ACOUSTICAL
FREE BUILDERS SPLY
1535 BOYS&GIRLS CLUB
SANMRCS CTY CMTY SV

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GRAND AVE 1986

★ 0 SUS 7 RES 1 NEW

GRAND AV 92069
SAN MARCOS

	645	XXXX	00	
	745	AMERICAN KARATE SCL	744-4493	1
		CERTIFIED CRGWN LAS	744-2758	4
		HYDRO TECH	744-7661	5
		KNIGHTS OF COLUMSUS	744-4441	3
		MODULAIRE LEASING	421-1060	3
		PULSIFERS AMER K SC	744-4493	2
		SANMARCOS OFC SPLY	744-6545	3
	775	XXXX	00	
	795	SANMARCOS MOTEL	744-9924	3
		SCHICK ALFRED H	727-2272	+6
	801	ASHLEY BUILDING COR	744-4026	6
		ASSOC MOBILE HOME	744-6311	6
		NATL CAR RENTAL SYS	471-0252	4
	825	SAN MARCOS RVS INC	744-3613	4
	831	SKY HY OFF ROAD	744-4161	5
	833	AMERICAN AWNING CG	744-SS10	
		NEET AWNINGS	744-8610	0
	835	MINI CAR&TRCK SPCL	744-1243	0
	837	XXXX	00	
	843	LONGSHOT SALOON	744-8576	1
	849	ECKERTS VAN&STORAGE	744-3636	
		NORTH AM VAN LINES	744-3636	1
	875	XXXX	00	
	931	CGAST TIRE&AUTOMGTV	744-4910	4
	A	SANMARCOS VEHCL SLS	744-0683	4
	961	STAR BUILDERS SPPLY	744-3240	
	983	PAINT CITY	471-2380	5
		WALLPAPER SALON	471-2380	+6
	1003	APEX IMPORT GRO	744-6160	9
	1025	XXXX	00	
	1031	V W PARADISE	744-9140	2
	1035	XXXX	00	
	1039	XXXX	00	
	1043	MAY CO AUTO BDY&PNT	744-1573	+6
	1047	TIRE MART	744-7481	4
		WINDOW AWNINGS	471-2444	5
	C	KORTE IRON WORKS	744-3381	1
	1049	XXXX	00	
	1051	XXXX	00	
	1053	XXXX	00	
	1056	CA CUSTOM UPHLSTRY	744-5739	+8
	1057	RUDYS RADIATOR SHOP	744-9195	1
	1076	AMER FENCE CO	744-4124	
		AMERICAN FENCE CG	433-1552	1
		AMERICAN RENT FENCE	744-4124	
	1101	ABCO HRDWR&BL SPPLY	744-6124	2
	1106	XXXX	00	
	1107	OLYMPIC AUTOBODY	471-2571	6
	1111	XXXX	00	
	1116	XXXX	00	
	1137	ABABA BOLT	744-9170	2
	1139	ALADDIN SHEDS	727-2616	2
		ALADDIN SUPPLY CO	239-B536	+6
	1145	AERO MYFLWR MVG AGC	744-4114	
		MAYFLOWER MOVING	744-4114	
		MAYFLOWER TRANSIT	744-4114	
		SD VAN&STORAGE	744-4114	1

MAY NOT BE KEYPUNCHED, ENTERED INTO A COMPUTE

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LINDA VISTA DR 1986

SAN DIEGO N.

THE HAINES

LINDA VSTA DR 92028 CONT..

3649 XXXX 00
3650 TOBIN CHARLES W 728-3959 9
3670 ORD GEO O 723-0334 1
3708 ALLEN CHARLES P 723-9662 4
FERGUSON G E LTCOL 728-8037
FERGUSON MARY 728-8037
3845 XXXX 00
3858 STROM50E O A 728-1445
3968 WHEELER JOHN P 728-7236 4
4017 NYE PHILIP L 728-8560
4034 HANSEN TOM 723-1600 3
PEDERSON CURRIE 723-1600 3
4045 OERTLE LESLIE J 728-1589
4050 XXXX 00
4056 PILLARELLA HENRY 728-5783 9
4073 PERRY C J A 728-7143
4074 ALOE BEN 728-5116 8
4135 PINLEY LLOYD 728-4918 4
4155 SRAUSA WM 728-3746 +8
4175 GENNISTON RALPH J 728-2278 5
4178 HECKMAN JOHN 728-6897 +6
HECKMAN KRISTINE 728-6897 +6
4202 XXXX 00
4208 SCHULZ CHAS 728-0169
SCHULZ KAREN 728-0169 5
4212 WICKER LLOYD C 723-9047 0
4225 MORRIS O 728-4428
4260 PAGGI JAS 723-1022 1
4266 XXXX 00
4268 XXXX 00
4270 XXXX 00
* 0 BUS 38 RES 5 NEW

LINDA VSTA DR 92069
SAN MARCOS

930 XXXX 00
945 XXXX 00
969 HICKS CHEMICAL CO 727-9880 4
LEWIS LOWBED SERVCE 727-8340 5
975 COLLINS PAC CORP 232-7350 +6
COLLINS PACIFIC 744-9500 +6
977 HUES METAL FINISHNG 744-5566 1
WELDED STRUCTURES 744-5566 1
979 XXXX 00
999 MIDWAY CONTAINER 744-8760 3
1010 KIRCHNAVY WM CONSTR 744-0218 3
PEPIN RENE 744-4058 4
SCHATZMANN THOMPSO 744-1371 3
TEMPLETON GRADING 744-0630 3
THOMPSON SCHATZMAN 744-1371 3
1015 PARKSON INC S66-3840 +6
SD DUCT SHOP 744-5824 5
1020 ALL PRO FIGURES 744-1558 5
TAYKO INDUSTRIES 744-3883
UNDERWATER KINETCS 744-7560 3
1045 SENCH MARK CO 727-0153 9
SENCH MARK SURVEYNG 727-0153
COMMERCE CT INDS PK 744-2900 2
CONSTRUCTURAL CNCRT 744-7953 5
EXPRESS GRAPHICS 744-9391 4
KERWINS 471-1009 +6
NORTH CO CLEANING 744-0900 +6
PORT JACK 744-2900 3
SENCO FASTENING SYS 744-1773 9
TUBBS BROS DRYWALL 744-2364 +6
W L B ASSOCIATES 744-1122 3
1050 ACTION SPRTGLAS INC 471-2522 5
1070 MATTHEWS 744-0398
MATTHEWS CMPRSR RPR 744-0398 5
SLIVNIK MACH TRNG 744-8692 5
1075 GOLF CARS R US 744-0500 4
KE MAR CO 744-5790 4
MARTYS PATIO&AWNIN 744-0061 5
MCALLISTER W W CO 744-7317 4
ROBERTS PRINTING 744-8787 1
SD INDUSTRIAL VHCLS 744-9000 5
SPARTAN INTERIORS 744-5900 9
1080 AMISTAR 744-7680 5
1125 ASSOC AIR SYS 744-6062 5
CA COMPONENTS INC 471-0123 5
HARVARD FAIR CORP 744-9182 5
I D E T 744-9501 +6
METALIZATION TECH 744-5372 +6
1145 CAL VID PRODUCTIONS 471-0575 4
DANTES LIQUOR&DELI 471-2261 5
FISCHER AEROSPACE 744-6231 4
HERCULES MFG 471-2464 +6
KEMP VICTOR CO INC 744-1440 4
RAYS GLASS 744-5402 5
SHILOH FOURSQUARE C 471-2613 5
SPIRAL STAIRCASE SP 471-0747 4
SYSTEMS MFG TECH 744-3590 4
VICTOR KEMP CO 744-1440 4
1165 ..... BUILDING
AD PAK 471-272D 4
CAL PURE DRINKG WTR 744-1970 4
CLEAN MASTER CARPET 753-4339 +6
CLEAN MSTR CRPT CLN 744-7570 4
COUNTRY CRNR DAY SC 744-4870 4
FADS&FANCIES 744-604D 4
IMAGE DSGNS LNDSCPG 471-1165 +6
MACH 2 C N C 471-1123 +6
MANAGMT CONTROL SRV 744-9211 +6
MAZONE DEV&INVEST 744-B412 4
MERTSOC TOOL&ENGRG 744-4840 4
1165 .....
1175 LASERAGE TECHNGY GR 744-6692 5
SPEC INDUSTRIES INC 744-6692 5
1185 GREEN FARM 744-734D 5
MARTIN L GREY TILE 744-7622 +6
N A I PRODUCTS 744-7340
NATURAL ALTERNATIVE 744-7340 5
NEW APPROACHES 744-B988 +6
OLD MILL PROPERTIES 744-0958 5
PRO CAP 744-7340 5
SOUTH COAST CYCLE 471-2551 +6
1195 ..... BUILDING
AMER BUSNS CMNCTNS 471-0520 +6
CA DRAPERIES 744-B211 +6
D R&D CONSTRUCTION 471-2290 5
FUTURA COMMNCTNS 471-0522 +6
JABA INTERNATIONAL 471-2980 +6
JAKES WOOD FACTORY 744-8862 +6
PAC BLDRS HARDWARE 471-2161 +6
PARDISE GRAPHC&DSGN 471-0443 +6
RHUMB LINE LTD 744-4060 +6
SKELLY ELECTRIC CO 744-6412 5
WORD&SPIRIT MINSTRS 744-1794 +6
1195 .....
1205 HARDIN ENTERPRISES 744-7733 +6
PAC COAST BINGO&GM 471-1112 +6
1215 KING BEARING INC 744-7422 5
1219 PRESTIGE COFFEE SD 549-0055 +6
1231 CUSTOM SHOWER DOORS 744-2930 +6
QUALITY BAL&SASERY 744-0291 +6
1237 PLASTIC DISPLAY PRD 471-0340 +6
1249 AMER CONTACT LENS 471-0353 5
1261 M&W LANDSCAPE 727-3037 +6
1263 SOUTHRN CA ART 744-B040 +6
1267 KOSKO CONSTRUCTION 744-8164 +6
1321 GRAINGER W W INC 471-0400 3
1355 MONIER CO 744-3713 0
1400 XXXX 00
1401 ROOFING WHOLESALE S66-72B1 4
ROOFING WHOLESALE 744-3090 4
1413 A M GRAPHICS 744-0180 +6
SUN BURST ENERGY 471-2722
SUNBURST ENERGY SYS 471-2722 5
THIRD PLANET DSGN 744-0180 4
1425 PLASMETEX INDSTRIES 744-8300 1
1455 A S N PUBLISHING 471-2320 5
POWER PLUS CORP 744-3103 0
B GILLMAN CO 744-6565 9
1512 DIXON INVSTMT PROPS 744-7777 +6
INDSTRL STEEL&SPLY 234-4416 2

LINDA VSTA OR 92069 CONT..

INDSTRL STEEL&SPPLY 753-6036 5
SD STEEL&SUPPLY 744-5380 5
1520 BEACH WEATHERSTRIP 741-B07 1 +6
SCHMID INSLTN CONTR 744-2236
1530 FREE BUILDERS SPLY 744-3340
FREES GYM 744-9817 0
WASKIEWICZ BRUCE A 744-4676 2
1535 BOYS&GIRLS CLUB 744-3742 +6
1550 XXXX 00
1570 LUSARDI CONSTR CO 744-3133
MARDEN SUSCO CO HDQ 744-7288 5
MARDENSUSCO 744-5500 3
OKUN&ASSOCIATES 744-2254 3
SEALAND DEVELOPMENT 744-6266 5
1610 A R A NORTH COUNTY 471-0173 +6
1618 XXXX 00
1620 SANTOURIAN ENTP 744-2402 4
1650 ALLSTATE APPRSL SER 744-652D 4
BLACKWOOD LARRY 744-8430 4
HIGLEY RAY WELDING 744-8907 +6
R N C MORTGAGE SERV 471-1150 +6
SAN MARCOS OUTLOOK 744-2212 +6
TARGET PUBLISHING 744-2212 +6
1660 KENEES KONES 744-B771 5
SAN MARCOS CAR WASH 744-7788 2
3715 NAVARRA ESTHER 727-2604
NAVARRA JEANNIE 727-2604
NAVARRA JOS 727-0705
3721 GILMARTIN LAURENCE 727-0249
3722 AVILA E 727-3997 3
AVILA EONA LETICIA 727-9315 5
LANDEROS LEO 727-3997 3
3727 GUERRERO EDDIE 727-2809 0
3734 MACIAS GUADALUPE 727-6439 +6
3739 MAY JOHN W 727-5956 9
3740 ENRIQUES ELENA 471-0390 +6
POWELL KENNETH F 744-7578 5
3742 HERNANDEZ SALVADORE 727-1532 0
3748 MARCRANDER RICHARD 727-5706 1
3751 RANDALL JACK C 727-1865
3757 LOPEZ MARGARET 727-3783
LOPEZ MARTY 727-3783 2
3763 SMITH WM C 727-2279
3768 CORONA FORTINO O 727-3948 2
3769 PEREZ BEN 727-9197 +6
3803 OCONNOR A 727-9686
OCONNOR M 727-9686 5
3809 MALONE BART 727-1827 1
MALONE DIANE 727-1827
3815 SMITH LARRY 727-5681 5
3818 GARCIA MARIA A 727-0605
3827 FRAZIER GLENN J REV 727-5607 5
3830 LIPTON JOHN E 727-1808 0
3838 RICHARDSON MICHAEL 727-6137
RICHARDSON PAMELA 727-6137 3
3844 XXXX 00
3850 MANUEL A GUZMAN 727-6342 1
3851 FOUBE GLENN M 727-7970 2
3864 HOFFMAN VINCENT 727-6423 5
3865 MAYORGA J K 727-2449 0
* 135 BUS 41 RES 46 NEW

LINDA VSTA DR 92083
VISTA

3165 CONNER LESLEY 727-2297 9
3169 HEYDEN L 727-2575 0
3181 QUINN BRIAN 727-2211 9
3209 MATURINO BEVERLY M 727-5215 4
MATURINO LEONARD 727-3598 1
3212 JARDIN ALVARDO S 727-3547 8
3217 GUNNARSON GERALD A 727-4378 7
3222 ABERG RICHARD C 727-0749 2
3230 WANKET HARRY 727-2298 7
3239 THARP WM N 727-1173 +6
3253 NORTH CO LWN&LNDSCP 729-2009 5
3265 CAMPBELL WALLACE L 727-3204 0
ROMITA J E 727-3204 0
3317 CHIARIELLO RALPH P 727-3919 0
3336 MATA ENRIQUE 727-1284
3361 ROBERTSON STEVEN J 727-4744 9
TANAKA R 727-5366 1
3376 DIAZ TOM 727-2148 0
GARCIA JOHN C 727-1737
3394 HAMAN DENNIS 727-5580 3
3402 GROSS ROCKEY 727-4652 0
3438 XXXX 00
347D LAWRENCE DALE 727-2905
348D KERN JOHN F 727-1618
3512 KUDO SUNNY 727-6064
KUDO WM J 727-6064 1
3524 KUNDINGER D 727-2139
3528 LAMB SHERRI 727-D338 +6
3532 HARRINGTON A C 727-1386
3535 ..... APARTMENTS
ADAMS JAMES E 727-3535 4
96 ADAMS WM 727-4023 7
76 AKER FLOYD 727-2401
79 ALLEN FREDRIC R 727-1635
ALPERS R R 727-2526 3
AMER AMICABLE INS 727-8108 5
28 ANDERSON ARCHIE 727-0856
100 ANDERSON CURTIS H 727-5485 9
ANDERSON FLORENCE 727-0856
168 ANDERSON K O 727-5058 9
ANDERSON ROBERT W 727-6607 3
ANDRES JOHN P 727-7566
ANDRES NINA 727-7566 4
APLIN DOROTHY 727-3354 +6
APLIN IRA 727-3354 +6
49 ARGENTINE DOMINIC 727-3698
173 ARNOLD JAMES W 727-2927 9
127 ASHBRENNER WALTER 727-0188
48 AURAND ROBT 727-2569
AUSTIN DUDLEY S 727-9241 5
BAECHTOLD IRVIN C 727-6221 3
BARHAM JAS H 727-9753 2
221 BARNER EUGENE F 727-3088 8
188 BARRICK CHAS 727-2358
BEAUCAGE ROBERT 727-5435 4
15D BECKETT JOE S LTCOL 727-0373 0
BECRAFT JOEL D 727-1755 4
BELLAVANCE LOUIS E 727-9798 2
21 BERGSTROM HERBERT 727-3428
3 BEST LINDLEY M 727-2596
164 BIGG ELMER W 727-5399 9
BLACKMAN ED 727-5335 4
132 BLACKWELL RAY M 727-3629 D
BONIN CART C 727-7279 S
73 BONNAR HELEN 727-2726
BOOTHE H L 727-3605 9
233 BOSHART N 727-2292
239 BOYER GEO H 727-2795
BRANDT BETTYLEE 727-4233 4
BRANDT HAROLD B 727-4233
216 BREITBARTH LEROY 727-3043 7
177 BREWER CHAS H 727-2954 8
203 BRIGHT ANTHONY K 727-5811 D
202 BROCAS C L 727-0797
BROCKWAY HOWARD 727-3067 4
245 BROWN CHAS 727-2724
245 BROWN RUTH 727-2724 1
BULLARD DORTHA 727-4492
BULLARD WM 727-4492 8
BUNCH JOHN W 727-943D 5
135 BURNS LESTER E 727-304S
BUTTERS H T 727-9706 +6
CALKINS MILDRED E 727-2023 4
32 CALLOWAY WM C 727-2116 7
238 CAMPBELL WM CLAIR 727-2662
86 CANNON JAS 727-3185
30 CARAMAGNA J 727-1154
CHRISTENSEN HELEN M 727-7794
CHRISTENSEN HOLGER 727-7794 2
194 CLARKE CLARENCE L 727-2144 8
10 COLE CLYDE H 727-6777 1

(HAINES & CO., INC. INFORMATION ON THIS PAGE MAY NOT BE KEYPUNCHED, ENTERED INTO A COMPUTE

Target Street	Cross Street	Source
✔	-	Haines Criss-Cross Directory

GRAND AVE 1982

THE HAINES CRISS-CROSS DIRECTORY

GRAND AV — 92008 CONT.

560	CARLSBAD STATIONERS	729-1052 +2
	CARLSBD STATIONERS	729-1052
	LES ARCADES	729-6760 +2
565	JOHNNYS BARBER SHOP	729-3726
570	COAST OFFICE PRDCTS	729-5440 1
575	CARLSBAD JEWELERS	729-3818 8
580	NORTH CO BEAUTY SPL	729-0045 9
	SHEAR DIMENSIONS	729-5117 9
	SUNRISE ORNTL FOOD	729-5888 0
A	LOGAN TYPEWRITER	729-8090 +2
585	FARMERS INS GROUP	434-1003 1
	FORSYTH GENE	434-1003 1
	FORSYTH&WHITMER	434-1003 +2
	MONTES JOE R CPA	434-3189 1
	WHITMER SANDY	434-1003 1
590	BS SUPER DONUT	729-5165 1
595	MIZERA CO THE	729-4015 1
618	XXXX	00
620	LAU CHRIS REALTOR	434-3186 1
	RUNSVOLD MCKEE&CO	434-3138 1
	UP YOUR ALLEY	729-5595 1
B	UP HIS ALLEY	434-3226 +2
630	BERGMANNS JEWELRY	729-1895 1
	COPPOLAS LMTD EDTNS	729-0256 1
	FLOOD CHARLES B	434-4181 +2
	HAWKINS J S CPA	434-3196 +2
	HAWKINS STEPHEN CPA	434-3196 1
	HWAKINS STEVE CPA	434-3196 +2
	MIGNONNES SALON	729-5628 1
	RICHARDSON REALTY	729-5919 +2
640	BURKE DENSHAM LTD	434-3114 0
	CHICK RICHARD J	434-1021 1
	DOOLEY MC CLUSKEYS	434-3114 0
	FRAZEE BOB FRIENDS	729-8504 1
	HARRINGTON GREGG	434-3351 +2
	MCCLUSKEYS DOOLEY	434-3114 +2
	MCMURPHY FARMS CORP	434-4557 1
	MEDICAL STAFFING SV	729-7115 1
	MURPHY HOWARD F	434-4557 1
	MURPHY MICHAEL K	434-4557 1
	OLD WORLD CENTER	434-4557 1
645	VERMILYEA V P	729-1612
658	XXXX	00
699	OCEANSD FED SAV&LN	729-5926 +2
	OCEANSD FED SVNG&LN	721-1243 1
	PAC FED SVNGS&LOAN	729-5926 +2
710	XXXX	00
725	BARSON CLYDE J DDS	729-4904
	FIRST NATL BANK	729-4978 +2
	MOSS LARRY A DDS	729-4904 1
	PACKARD DENTAL GRP	729-4904 +2
	PACKARD FLOYD L DMD	729-49D4
	PACKARD RONALD DMD	729-4904
752	MARRONS MXCN REST	729-4449 5
756	FAMILY SERVICE ASC	729-4981 8
785	ATKIN ROY D	434-5031 +2
786	KINGSTON J R	729-1413 4
800	CARLSBAD EXEC BLDG	
	A D S PORTABLE REC	434-3334 +2
	ALKAR Y M MD	729-7745 +2
	ALLISON ALAN H	434-1153 +2
	ATTORNEYS DVRSFD SV	434-3334 +2
	AZTEC FNCL CORP	729-2329 9
12AN	BINGHAM JOHN P	434-1165 0
	CARLSBAD HEARNG AID	434-7171 +2
	CARLSBAD PODIATRY	729-8962 +2
14C	CENTER FMLY DEVLPMT	729-6620 1
	CHAMOW LARRY	729-6620 1
15B	CLAUSON JIM REALTOR	729-9235 1
	COUNSELING SERV	729-6467 8
	DARLING JULIA	729-6620 +2
	FRIEDRICH H R	434-2744 +2
	GALAXY REALTY	438-0268 +2
	GIFFORD B JR ATTY	729-7169 8
4A	HAIR HUSTLERS	729-6114 9
	HILL W MA PSYCTHRPY	729-6467 8
	ISENHART MARY ALICE	729-6620 +2
6A	JANSSON CREATIVE	729-7566 0
	JULIE POOLE CATERNG	729-9338 +2
	K K O S FM	729-5945 7
2N	LAJOLLA FED SVNG&LN	729-5984 6
7C	MCDOUGALL THOMAS E	729-4901 1
	MIKES SHEAR SHANTY	729-6244 8
	NEW IMAGE METHOD	729-0033 +2
	NORTH CO DRINKNG	729-7141 1
	PAC GROVE RL ESTE	434-4171 0
	PISCES REAL ESTATE	438-4155 +2
	POOLE JULIE E CATRG	729-9338 9
2C	RADIO STN K K O S	729-5945 7
	RAINBOW INTERIORS	729-6467 1
0C	RUMANN DONALD J PHD	729-8634 9
	SCHRINER REAL EST	729-7010 +2
7C	STREET JAMES W ATTY	729-5901 8
9C	THERMOTRON CORP	729-7126 9
	THUEN ERIC DPM	729-8962 +2
	WOOD R THOMAS	729-1159 8
	WOOD THOMAS	729-1159 8
800		
861	HOWE FRED GRADING	729-0808 +2
	HOWE FRED GRADING	729-2341 +2
865	NORMAN BRYAN J	729-1162
	NORMAN ELECTRIC	729-9555 1
	NORMAN INSURNCE AGC	729-1162
	NORMAN KEVIN E	729-1162 7
	NORMAN RANDALL G	729-1162 7
	WINDRUM REALTY	434-1444 1
869	A BIT OF TRAVEL	729-1181 +2
	BIT OF TRAVEL A	729-1181 +2
921	XXXX	00
923	NARRON LARRY	729-0302 1
925	FRITH LEOTA M	729-8295 0
927	HIRD ALBERT N	729-0592 1
929	GALLIANO MICHAEL J	729-3221 +2
931	MCCORMACK DAN A	729-3917 +2
945	XXXX	00
955	FAY RON	729-0263 1
	MARTIN DAN W	729-2115 +2
972	DONOVAN W E	729-9632 0
977	XXXX	00
988	JOHNSON ROLAND W	729-4379
1001	XXXX	00
1008	DUNHAM GOLDIE I	729-3540
1009	XXXX	00
1022	XXXX	00
1026	XXXX	00
1050	BRINGHURST DAVID J	729-9551 0
*	108 BUS 32 RES	40 NEW

GRAND AV 92014
DEL MAR

17S5	DOUGLAS C	481-5475 0
	MOORE DAVID	481-5475 1
*	0 BUS 2 RES	0 NEW

GRAND AV 92069
SAN MARCOS

645	XXXX	00
745	AMERICAN KARATE SCH	744-4493 1
	AUDIO TECH	744-7490 1
	CERTIFIED DENTAL LB	744-2758 1
	CROWN BKKPG SERVICE	744-7306 1
	MODULAIRE INDS	744-7114 +2
	MODULAIRE LSNG CO	744-7114 1
	PULSIFERS AMER KRT	744-4493 +2
	SAN MRCS OFFICE SPL	744-8545 1
775	CDLUMBIA HOMES	744-9050 1
795	SAN MRCS MOTEL	744-9924 1
	SCHICK ALFRED H	744-2899
801	XXXX	00
831	XXXX	00
833	AMERICAN AWNING CO	744-8810
	AMERICAN LIVING SYS	744-8610 0
	MEET AWNINGS	744-861D 0

GRAND AV — 92069 CONT.

835	MINI CAR&TRCK SPCL	744-1243 0
837	XXXX	00
843	LONGSHOT SALOON	744-8576 1
849	ECKERTS VAN&STORAGE	744-3636 4
	NORTH AM VAN LINES	744-3636 1
875	XXXX	00
931	FRALEYS AUTO CLINIC	744-3001 5
	FRALEYS USED CAR	744-6722 1
	FRALEYS USED CARS	744-3001 0
961	STAR BUILDERS SPPLY	744-3240
983	XXXX	00
1003	APEX IMPORT GRG	744-6160 9
1025	LESLIE MFG CORP	744-1658
1031	V W PARADISE	744-9140 +2
1035	XXXX	00
1039	XXXX	00
1043	REBORN AUTO BODY	744-9564 +2
	REBORN CLSSC MTRCRS	744-9564 1
1047	ARAMBULAS PNT&BODY	744-2314 +2
	RUPES JACK RPR SERV	744-3289 +2
C	KORTE IRON WORKS	744-3381 1
1049	XXXX	00
1051	XXXX	00
1053	GRAND AUTO BODY	744-8190 +2
1057	RUDYS RADIATOR SHOP	744-9195 1
1075	AMER FENCE CO	744-4124 6
	AMERICAN FENCE CO	433-1552 1
	AMERICAN RENT A FNC	744-4124 9
1101	ABCO HRDWR&BL SPPLY	744-8124 +2
1105	ELECTRICAL CONTR SV	727-4735 1
1107	LACOSTA ELECTRIC CO	744-1444 8
	REPAIR ELECTRIC	727-5544 0
1111	NORTH CO SCREW MACH	744-177D 1
1115	XXXX	00
1137	ABABA BOLT	744-9170 +2
	LAW DANA	744-5664 0
	LAW RUTH	744-9534 +2
	MAGIC CENTRAL	744-5664 0
1139	ALADDIN SHEDS	727-2515 +2
	ALADDIN SUPPLY CO	239-8538 +2
1145	AERO MYFLWR MVG AGC	744-4114 4
	MAYFLOWER AERO MOVG	744-4114 4
	RYDER TRCK RNTL ONE	744-5662 1
	SD VAN&STORAGE CO	744-4114 1
1155	LEVITT ANIMAL HOSP	744-5242 8
	LEVITT DAVID H DVM	744-5242 8
1215	VEHICLES INK	744-8042 +2
1240	BASEBALL BTTNG CAGE	744-3467 +2
	BATTING CAGES N CO	744-3467 1
	BATTING CAGES&ARCDS	744-3467 +2
	N CNTY BATTING CAGE	744-3467 0
	NORTH CO BATNG CAGE	744-3467 1
1255	XXXX	00
1311	BRYAN BILL PAINTING	744-4600 5
1320	BUILDING	
	ACTION MACHINING CO	744-3141 1
35	APACHE CO DRY GOODS	744-8908 1
	ATLAS RADIO REPR SV	744-0720 1
9	B O P	753-9300 1
9	B D P OF NORTH CO	744-3000 5
	BECHTHOLD CONSTR CO	744-8797 +2
	BUDGET HTNG&PLMBNG	758-884D +2
	C&V COMPETITION	744-939D +2
6	DESIGN SERVICES	744-3544 6
30	HAWKINS DOOR TRIM	744-2764 1
	HYDRO MISER CORP	744-5083 +2
6	INVERTED LOFT PTTRS	727-3131 7
29	J M C MANUFACTURING	744-7831 1
	J&K AUTO	744-3870 1
6	LIBUSE FRANK	744-3544 8
6	LIBUSE GRAPHICS ETC	744-3544 7
19	MARTIN ENTERPRISES	744-3674 6
	MAXWELL TOM ENTP	744-7531 +2
10	MODERN INTERIORS	744-3541 0
37	PAC CST CABINETS	744-7590 1
	PALOMAR ELCTRNC RPR	744-0720 1
	PRIDE ELECTRONC RPR	744-0720 1
12A	RIDDLE W MFG CO	744-8916 1
5	S&S DAYTON OUTLET	742-3783 0
	SONDENO GEO CABINTS	744-3288 +2
31	TIP TOP ENGINEERING	744-2334 0
	TROSAK RICHARD	744-9042 0
	VALLEY BEARG&SUPPLY	744-4200 8
	VERITEK	744-2313 +2
17	WARREN ENGR	744-5640 8
	WEIBRECHT INDUSTRS	744-5021 0
16	WESTCOM	744-D700 1
14	WHITTY EDW C	727-3131 7
1320		
1350	XXXX	00
1370	DEWEY PEST CONTROL	753-6457 +2
	DEWEY PEST CONTROL	744-3170 +2
	T J OFF RD&MILEAGE	727-2141 +2
1371	XXXX	00
1372	DELSTEEL WEST INC	744-5385 +2
1373	VINSON&FORTINER	727-2700 4
1425	BUCKEYE GAS PRODTS	727-1131 1
	DOXCL PROPANE OF SA	727-1131 0
1435	ARMOR SAFE CORP	744-4992 1
1511	A ANSWERGIRL	744-3343 0
	AIRPORT STAGE LINES	744-3343 1
	AUTO BOOK PRESS	744-2567 0
	SAN MRCS OTLK ADV	744-9434 1
	SAN MRCS OTLK OFC	744-2212 1
	SAN MRCS PARCEL DEL	744-3343 1
	SAN MRCS TAXICAB CO	744-3343 1
1522	LAKE SAN MARCOS OUT	727-0825 0
	SAN MRCS DTLK ADV	727-2544 1
1523	XXXX	00
1530	A&G BUILDERS SPCLTS	744-0030 +2
	DEGALUX INC	744-0030 +2
	K J E N EXPLORATION	744-4103 +2
	MAHLUM L D INC	744-7651 +2
15S3	BLACKWOOD LARRY	744-8430 1
	GRAND TRAVEL	744-915D 0
	RAY INSURANCE AGCY	744-3075 +2
B	RAY INS AGENCY	744-4610 1
1555	EXPERT MBL HM BRKRS	744-5681 1
1557A	ORAKE SAMUEL L MD	744-8352 +2
A	LOLO WILLIAM OPM	744-73D7 1
1566	BRYLOCK TIRE	744-2010 0
1605	CA TURF LIBRARY INC	744-9143 +2
1619	DUNCANS GUN WORKS	727-0515 8
1639	CAIRNS ROBT CPA	744-8180 1
	SAN MRCS CNSLNG CTR	744-8180 1
B	CORNERSTONE REALTY	744-2404 9
3419	SAN MRCO LUTH CH	727-1509 1
3516	BURNS KENNETH A	727-3334 0
3519	XXXX	00
3520	KARNOFF GEO	744-1672 0
3526	SELBY OEAN	727-7921 +2
3533	FINE DAVID	727-4767 9
3537	KANESTER SKIP	727-6223 1
3538	ESCOBEDO DANIEL	727-4204 9
3544	XXXX	00
3550	MITCHELL JOHN C	727-0672 1
3551	CLEVELAND STEVEN	727-2055 9
3557	THORNTON GEO JR	727-2325 +2
3562	PFLANZER GUSTAV W	727-6722 1
3567	NEAL T M	727-3856 1
3571	XXXX	00
3608	TIDD MICHAEL	727-9758 +2
3609	BROWN STEVEN L	727-6427 1
3612	KITTILSEN HAROLD F	727-4144 9
3643	ASK MR FOSTER TRVL	727-4750 +2
	SMYLIE JOHN	727-4248 9
	TEVRIZIAN D DDS	727-2624 8
NO #	CARLSON J F	744-10B8
*	124 BUS 39 RES	37 NEW

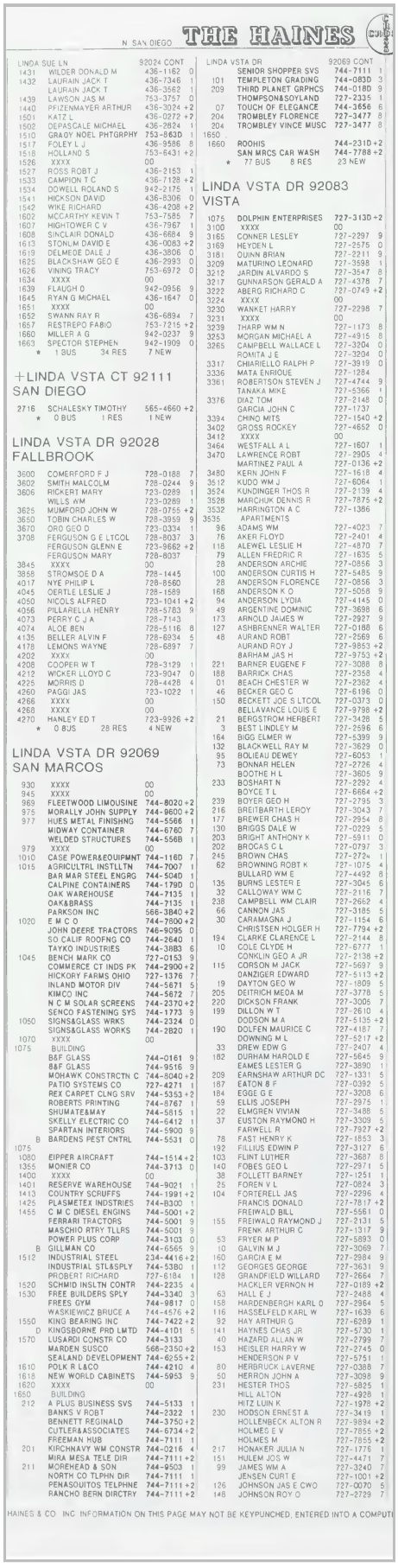
GRAND AV E 92025
ESCONDIDO

101	MERCANTILE INC THE	745-3800
105	DAGOSTAS SHOES	745-3522
113	SHELLIS	727-6522 +2

MAY NOT BE KEYPUNCHED, ENTERED INTO A COMPUTER OR PHOTOCOPIED, IN ANY MANNER WHATSOEV

Target Street	Cross Street	Source
-	✓	Haines Criss-Cross Directory

LINDA VISTA DR 1982



THE HAINES

N SAN DIEGO

LINDA SUE LN 92024 CONT

1431 WILDER DONALD M 436-1162 0
1432 LAURAIN JACK T 436-7346 1
LAURAIN JACK T 436-3562 1
1439 LAWSON JAS M 753-3757 0
1440 PFIZENMAYER ARTHUR 436-3024 +2
1501 KATZ L 436-0272 +2
1502 DEPASCALE MICHAEL 436-2824 1
1510 GRAGY NOEL PHTGRPHY 753-863D 1
1517 FOLEY L J 436-9586 8
1518 HOLLAND S 753-6431 +2
1526 XXXX 00
1527 ROSS ROBT J 436-2153 1
1533 CAMPION T C 436-7128 +2
1534 DOWELL ROLAND S 942-2175 1
1541 HICKSON DAVID 436-8306 0
1542 WIKE RICHARD 436-4208 +2
1602 MCCARTHY KEVIN T 753-7585 7
1607 HIGHTOWER C V 436-7967 1
1608 SINCLAIR DONALD 436-6684 9
1613 STONUM DAVID E 436-0083 +2
1619 DELMEDE DALE J 436-3806 0
1625 BLACKSHAW GEO E 436-2993 0
1626 VINING TRACY 753-6972 0
1634 XXXX 00
1639 FLAUGH O 942-0956 9
1645 RYAN G MICHAEL 436-1647 0
1651 XXXX 00
1652 SWANN RAY R 436-6894 7
1657 RESTREPO FABIO 753-7215 +2
1660 MILLER A G 942-0237 9
1663 SPECTOR STEPHEN 942-1909 0
* 1 BUS 34 RES 7 NEW

+LINDA VSTA CT 92111
SAN DIEGO

2716 SCHALESKY TIMOTHY 565-4660 +2
* 0 BUS 1 RES 1 NEW

LINDA VSTA DR 92028
FALLBROOK

3600 COMERFORD F J 728-0188 7
3602 SMITH MALCOLM 728-0244 9
3606 RICKERT MARY 723-0289 1
WILLS WM 723-0289 1
3625 MUMFORD JOHN W 728-0755 +2
3650 TOBIN CHARLES W 728-3959 9
3670 ORO GEO D 723-0334 1
3708 FERGUSON G E LTCOL 728-8037 3
FERGUSON GLENN E 723-9662 +2
FERGUSON MARY 728-8037
3845 XXXX 00
3858 STROMSOE D A 728-1445
4017 NYE PHILIP L 728-8560
4045 OERTLE LESLIE J 728-1589
4050 NICOLS ALFRED 723-1041 +2
4056 PILLARELLA HENRY 728-5783 9
4073 PERRY C J A 728-7143
4074 ALOE BEN 728-5116 8
4135 BELLER ALVIN F 728-6934 5
4178 LEMONS WAYNE 728-6897 7
4202 XXXX 00
4208 COOPER W T 728-3129 1
4212 WICKER LLOYD C 723-9047 0
4225 MORRIS D 728-4428 4
4260 PAGGI JAS 723-1022 1
4266 XXXX 00
4268 XXXX 00
4270 HANLEY ED T 723-9926 +2
* 0 BUS 28 RES 4 NEW

LINDA VSTA DR 92069
SAN MARCOS

930 XXXX 00
945 XXXX 00
969 FLEETWOOD LIMOUSINE 744-8020 +2
975 MORALLY JOHN SUPPLY 744-9600 +2
977 HUES METAL FINISHNG 744-5566 1
MIDWAY CONTAINER 744-6760 7
WELDED STRUCTURES 744-556B 1
979 XXXX 00
1010 CASE POWER&EQUIPMNT 744-116D 7
1015 AGRICULTRL INSTLLTN 744-7007 1
BAR MAR STEEL ENGRG 744-504D 1
CALPINE CONTAINERS 744-1790 0
OAK WAREHOUSE 744-7135 1
OAK&BRASS 744-7135 1
PARKSON INC 566-3B40 +2
1020 E M C O 744-7500 +2
JOHN DEERE TRACTORS 746-9095 0
SO CALIF ROOFNG CO 744-2640 1
TAYKO INDUSTRIES 744-38B3 6
1045 BENCH MARK CO 727-0153 9
COMMERCE CT INDS PK 744-2900 +2
HICKORY FARMS OHIO 727-1376 7
INLAND MOTOR DIV 744-5671 5
KIMCO INC 744-5672 7
N C M SOLAR SCREENS 744-2370 +2
SENCO FASTENING SYS 744-1773 9
1050 SIGNS&GLASS WRKS 744-2324 0
SIGNS&GLASS WORKS 744-2820 1
1070 XXXX 00
1075 BUILDING
B&F GLASS 744-0161 9
B&F GLASS 744-9516 9
MOHAWK CONSTRCTN C 744-8040 +2
PATIO SYSTEMS CO 727-4271 1
REX CARPET CLNG SRV 744-5353 +2
ROBERTS PRINTING 744-8767 1
SHUMATEMAY 744-5815 1
SKELLY ELECTRIC CO 744-6412 1
SPARTAN INTERIORS 744-5900 9
B BARDENS PEST CNTRL 744-5531 0
1075
1080 EIPPER AIRCRAFT 744-1514 +2
1355 MONIER CO 744-3713 0
1400 XXXX 00
1401 RESERVE WAREHOUSE 744-9021 1
1413 COUNTRY SCRUFFS 744-1991 +2
1425 PLASMETEX INDSTRIES 744-8300 1
1455 C M C DIESEL ENGINS 744-5001 +2
FERRARI TRACTORS 744-5001 9
MASCHIO RTRY TLLRS 744-5001 9
POWER PLUS CORP 744-3103 0
B GILLMAN CO 744-6565 9
1512 INDUSTRIAL STEEL 234-4416 +2
INDUSTRIAL STL&SPLY 744-53B0 1
PROBERT RICHARD 727-6184 1
1520 SCHMID INSLTN CONTR 744-2235 4
1530 FREE BUILDERS SPLY 744-3340 3
FREES GYM 744-9817 0
WASKIEWICZ BRUCE A 744-4576 +2
1550 KING BEARING INC 744-7422 +2
D KINGSBORNE PRD LMTD 744-4101 5
1570 LUSARDI CONSTR CO 744-3133
MARDEN SUSCO 566-2350 +2
SEALAND DEVELOPMENT 744-6255 +2
1610 POLK R L&CO 744-4210 4
1618 NEW WORLD CABINETS 744-5953 9
1620 XXXX 00
1650 BUILDING
212 A PLUS BUSINESS SVS 744-5133 1
BANKS V ROBT 744-2322 1
BENNETT REGINALD 744-3750 +2
CUTLER&ASSOCIATES 744-6734 +2
FREEMAN HUB 744-7111 1
201 KIRCHNAVY WM CONSTR 744-0216 4
MIRA MESA TELE DIR 744-7111 +2
211 MOREHEAD & SON 744-9503 1
NORTH CO TLPHN DIR 744-7111 1
PENASOUITOS TELPHNE 744-7111 +2
RANCHO BERN DIRCTRY 744-7111 +2

LINDA VSTA DR 92069 CONT

SENIOR SHOPPER SVS 744-7111 1
101 TEMPLETON GRADING 744-083D 3
209 THIRD PLANET GRPHCS 744-018D 9
THOMPSON&SOYLAND 727-2325 1
07 TOUCH OF ELEGANCE 744-3656 6
204 TROMBLEY FLORENCE 727-3477 8
204 TROMBLEY VINCE MUSC 727-3477 8
1650
1660 ROOHIS 744-231D +2
SAN MRCS CAR WASH 744-7788 +2
* 77 BUS 8 RES 23 NEW

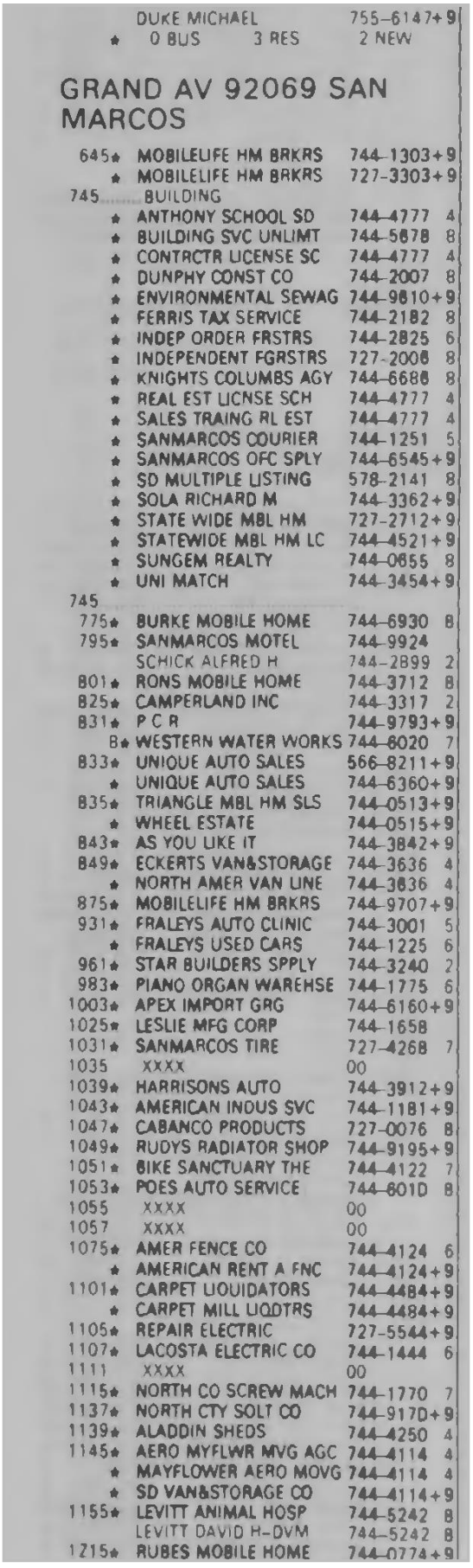
LINDA VSTA DR 92083
VISTA

1075 DOLPHIN ENTERPRISES 727-313D +2
3100 XXXX 00
3165 CONNER LESLEY 727-2297 9
3169 HEYDEN L 727-2575 0
3181 QUINN BRIAN 727-2211 9
3209 MATURINO LEONARD 727-3598 1
3212 JARDIN ALVARDO S 727-3547 8
3217 GUNNARSON GERALD A 727-4378 7
3222 ABERG RICHARD C 727-0749 +2
3224 XXXX 00
3230 WANKET HARRY 727-2298 7
3231 XXXX 00
3239 THARP WM N 727-1173 8
3253 MORGAN MICHAEL A 727-4915 8
3265 CAMPBELL WALLACE L 727-3204 0
ROMITA J E 727-3204 0
3317 CIMARELLO RALPH P 727-3919 0
3336 MATA ENRIQUE 727-1284
3361 ROBERTSON STEVEN J 727-4744 9
TANAKA MIKE 727-5366 1
3376 DIAZ TOM 727-2148 0
GARCIA JOHN C 727-1737
3394 CHINO MITS 727-1540 +2
3402 GROSS ROCKEY 727-4652 0
3412 XXXX 00
3464 WESTFALL A L 727-1607 1
3470 LAWRENCE ROBT 727-2905 4
MARTINEZ PAUL A 727-0136 +2
3480 KERN JOHN F 727-1618 4
3512 KUDO WM J 727-6064 1
3524 KUNDINGER THOS R 727-2139 4
3528 MARCHUK DENNIS R 727-7875 +2
3532 HARRINGTON A C 727-1386
3535 APARTMENTS
96 ADAMS WM 727-4023 7
76 AKER FLOYD 727-2401 4
118 ALEWEL LESLIE H 727-4870 7
79 ALLEN FREDRIC R 727-1635 5
28 ANDERSON ARCHIE 727-0856 3
100 ANDERSON CURTIS H 727-5485 9
28 ANDERSON FLORENCE 727-0856 3
168 ANDERSON K O 727-5058 9
94 ANDERSON LYDIA 727-4145 0
49 ARGENTINE DOMINIC 727-3698 6
173 ARNOLD JAMES W 727-2927 9
127 ASHBRENNER WALTER 727-0188 6
48 AURAND ROBT 727-2569 6
AURAND ROY J 727-9853 +2
BARHAM JAS H 727-9753 +2
221 BARNER EUGENE F 727-3088 8
188 BARRICK CHAS 727-2358 4
01 BEACH CHESTER W 727-2362 4
46 BECKER GEO C 727-6196 0
150 BECKETT JOE S LTCOL 727-0373 0
BELLAVANCE LOUIS E 727-9798 +2
21 BERGSTROM HERBERT 727-3428 5
3 BEST LINDLEY M 727-2596 6
164 BIGG ELMER W 727-5399 9
132 BLACKWELL RAY M 727-3629 0
95 BOLIEAU DEWEY 727-6053 1
73 BONNAR HELEN 727-2726 4
BOOTHE H L 727-3605 9
233 BOSHART N 727-2292 4
BOYCE T L 727-6664 +2
239 BOYER GEO H 727-2795 3
216 BREITBARTH LEROY 727-3043 7
177 BREWER CHAS H 727-2954 8
130 BRIGGS DALE W 727-0229 5
203 BRIGHT ANTHONY K 727-5911 0
202 BROCAS C L 727-0797 3
245 BROWN CHAS 727-2724 1
62 BROWNING ROBT K 727-1075 4
BULLARD WM E 727-4492 8
135 BURNS LESTER E 727-3045 6
32 CALLOWAY WM C 727-2116 7
238 CAMPBELL WM CLAIR 727-2662 4
66 CANNON JAS 727-3185 5
30 CARAMAGNA J 727-1154 6
CHRISTSEN HOLGER H 727-7794 +2
194 CLARKE CLARENCE L 727-2144 8
10 COLE CLYDE H 727-6777 1
CONKLIN GEO A JR 727-2138 +2
115 CORSON M JACK 727-5697 9
OANZIGER EDWARD 727-5113 +2
19 DAYTON GEO W 727-1809 5
205 DEITRICH MEGA M 727-3778 5
220 DICKSON FRANK 727-3005 7
199 DILLON W T 727-2610 4
DODSON M A 727-5135 +2
190 DOLFEN MAURICE C 727-4187 7
DOWNING M L 727-5217 +2
33 DREW EDW G 727-2407 4
182 DURHAM HAROLD E 727-5645 9
EAMES LESTER G 727-3890 1
209 EARNSHAW ARTHUR DC 727-1331 5
187 EATON B F 727-0392 5
184 EGGE G E 727-3208 6
59 ELLIS JOSEPH 727-2975 1
22 ELMGREN VIVIAN 727-3488 5
37 EUSTON RAYMOND H 727-3309 5
FARWELL R 727-7927 +2
78 FAST HENRY K 727-1853 3
192 FILLIUS EDWIN P 727-3127 6
103 FLINT LUTHER 727-3687 8
140 FOBES GEO L 727-2971 5
38 FOLLETT BARNEY 727-1251 1
25 FOREN V L 727-0824 3
104 FORTERELL JAS 727-2296 4
FRANCIS DONALD 727-7817 +2
FREIWALD BILL 727-5561 0
155 FREIWALD RAYMOND J 727-2131 5
FRENK ARTHUR C 727-1317 9
53 FRYER M P 727-5893 0
10 GALVIN M J 727-3069 7
160 GARCIA E M 727-2984 9
112 GEORGES GEORGE 727-3631 9
128 GRANDFIELD WILLARD 727-2664 7
HACKLER VERNON H 727-0189 +2
63 HALL E J 727-2488 4
158 HARDENBERGH KARL O 727-2964 5
116 HASSELFELD KARL W 727-1639 6
92 HAY ARTHUR G 727-6289 1
141 HAYNES CHAS JR 727-5730 1
40 HAZARD ALLAN W 727-2799 7
153 HEISLER HARRY W 727-2745 0
HENDERSON P V 727-5751 1
80 HERBRUCK LAVERNE 727-0388 7
50 HERRON JOHN A 727-3098 9
231 HESTER THOS 727-5825 1
HILL ALTON 727-4928 1
HITZ LUIN K 727-1978 +2
230 HODSON ERNEST A 727-3419 1
HOLLENBECK ALTON R 727-9894 +2
HOLMES E V 727-7855 +2
HOLMES M 727-7855 +2
217 HONAKER JULIA N 727-1776 1
151 HULEM JOS W 727-4471 7
99 JAMES WM A 727-3240 7
JENSEN CURT E 727-1001 +2
126 JOHNSON JAS E CWO 727-0070 5
148 JOHNSON ROY O 727-2729 7

HAINES & CO INC INFORMATION ON THIS PAGE MAY NOT BE KEYPUNCHED, ENTERED INTO A COMPUT

Target Street	Cross Street	Source
✓	-	Haines Criss-Cross Directory

GRAND AVE 1979



DUKE MICHAEL 755-6147+9
★ 0 BUS 3 RES 2 NEW

GRAND AV 92069 SAN MARCOS

645★	MOBILELIFE HM BRKRS	744-1303+9	
★	MOBILELIFE HM BRKRS	727-3303+9	
745	BUILDING		
★	ANTHONY SCHOOL SD	744-4777	4
★	BUILDING SVC UNLIMT	744-5678	8
★	CONTRCTR LICENSE SC	744-4777	4
★	DUNPHY CONST CO	744-2007	8
★	ENVIRONMENTAL SEWAG	744-9810+9	
★	FERRIS TAX SERVICE	744-2182	8
★	INDEP ORDER FRSTRS	744-2825	6
★	INDEPENDENT FGRSTRS	727-2006	8
★	KNIGHTS COLUMBS AGY	744-6688	8
★	REAL EST LICNSE SCH	744-4777	4
★	SALES TRAING RL EST	744-4777	4
★	SANMARCOS COURIER	744-1251	5
★	SANMARCOS OFC SPLY	744-6545+9	
★	SD MULTIPLE LISTING	578-2141	8
★	SOLA RICHARD M	744-3362+9	
★	STATE WIDE MBL HM	727-2712+9	
★	STATEWIDE MBL HM LC	744-4521+9	
★	SUNGEM REALTY	744-0655	8
★	UNI MATCH	744-3454+9	
745			
775★	BURKE MOBILE HOME	744-6930	8
795★	SANMARCOS MOTEL	744-9924	
	SCHICK ALFRED H	744-2899	2
801★	RONS MOBILE HOME	744-3712	8
825★	CAMPERLAND INC	744-3317	2
831★	P C R	744-9793+9	
B★	WESTERN WATER WORKS	744-6020	7
833★	UNIQUE AUTO SALES	566-8211+9	
★	UNIQUE AUTO SALES	744-6360+9	
835★	TRIANGLE MBL HM SLS	744-0513+9	
★	WHEEL ESTATE	744-0515+9	
843★	AS YOU LIKE IT	744-3842+9	
849★	ECKERTS VAN&STORAGE	744-3636	4
★	NORTH AMER VAN LINE	744-3636	4
875★	MOBILELIFE HM BRKRS	744-9707+9	
931★	FRALEYS AUTO CLINIC	744-3001	5
★	FRALEYS USED CARS	744-1225	6
961★	STAR BUILDERS SPPLY	744-3240	2
983★	PIANO ORGAN WAREHSE	744-1775	6
1003★	APEX IMPORT GRG	744-6160+9	
1025★	LESLIE MFG CORP	744-1658	
1031★	SANMARCOS TIRE	727-4268	7
1035	XXXX	00	
1039★	HARRISONS AUTO	744-3912+9	
1043★	AMERICAN INDUS SVC	744-1181+9	
1047★	CABANCO PRODUCTS	727-0076	8
1049★	RUDYS RADIATOR SHOP	744-9195+9	
1051★	BIKE SANCTUARY THE	744-4122	7
1053★	POES AUTO SERVICE	744-6010	8
1055	XXXX	00	
1057	XXXX	00	
1075★	AMER FENCE CO	744-4124	6
★	AMERICAN RENT A FNC	744-4124+9	
1101★	CARPET LIQUIDATORS	744-4484+9	
★	CARPET MILL LIQDTRS	744-4484+9	
1105★	REPAIR ELECTRIC	727-5544+9	
1107★	LACOSTA ELECTRIC CO	744-1444	6
1111	XXXX	00	
1115★	NORTH CO SCREW MACH	744-1770	7
1137★	NORTH CTY SOLT CO	744-9170+9	
1139★	ALADDIN SHEDS	744-4250	4
1145★	AERO MYFLWR MVG AGC	744-4114	4
★	MAYFLOWER AERO MOVG	744-4114	4
★	SD VAN&STORAGE CO	744-4114+9	
1155★	LEVITT ANIMAL HOSP	744-5242	8
	LEVITT DAVID H-DVM	744-5242	8
1215★	RUBES MOBILE HOME	744-0774+9	

Target Street	Cross Street	Source
-	✓	Haines Criss-Cross Directory

LINDA VISTA DR 1979

LINDA ROSA AV 92037 CONT
5644 XXXX 00
5648 CRAIG WILLIAM G 454-8479+9
5649 NOONAN GREGORY V 459-1244+9
5652 LOSEE FRED L 459-6766 5
5655 MAHONEY E L 454-2308+9
5658 XXXX 00
5662 KLEINBERGS S 459-2704 3
5666 XXXX 00
5667 XXXX 00
5670 XXXX 00
5673 KEEPING PHILIP 459-3963 8
5674 KERNE DONALD 454-2887 6
LOUGHLIN BART D 454-2887 6
5679 TRAINER R R DR 459-6585 0
★ 3 BUS 55 RES 15 NEW

LINDA SUE LN 92024 ENCINITAS

1415 BADT RICHARD 753-6573 8
1416 MOYER JOHN H 436-5461 8
1423 BERSCHNEIDER ROCK 436-7801 8
1424 GORMAN GARY 436-0223 8
1431 LIM LUCIA 753-3511 8
1432 LAURAIN JACK J 436-3562 8
1439 PEETOOM LARRY T 436-7245+9
1440 MCDONALD PATRICK 753-0971 8
1502 WATERHOUSE EDW W 942-0900+9
1509 XXXX 00
1510 PUMPELLY MARTA M 436-0608+9
1517 FOLEY L J 436-9586 8
1521 JEWELL STEVEN&LIND 436-1655 8
1526 SACKERSON ROBT 436-1458 8
1527 SAWYER C 942-0848+9
1533 BARHAM GARY D 436-7258 8
1542 CHRISTIAN J D 436-3703 8
1602 MCCARTHY KEVIN T 753-7585 7
1607 HENRY FRED 436-2056 8
1608 SINCLAIR DONALD 436-6884+9
1613 BOYD EARL C 753-5844 7
1614 SANDS JOHN K 436-9620+9
1619 MARKOVICH MARK 436-9382 7
1625 XXXX 00
1626 VINING TRACY 753-6972+9
1534 XXXX 00
1639 FLAUGH D 942-0956+9
LIEBLER MELANIE 942-0741+9
1645 TARWATER JAS 436-6410 7
1651 PONDER C H 753-3007+9
1652 SWANN RAY R 436-6894 7
1657 SEWARD JOHN P 753-5438 7
1660 MILLER A G 942-0237+9
★ 0 BUS 33 RES 11 NEW

LINDA VSTA CT 92111 SAN DIEGO

2713 XXXX 00
2716 MARTIN MICHAEL K 292-0882 8
2728 XXXX 00
2737 JONES DAVID D 560-8273 8
★ 0 BUS 4 RES 0 NEW

LINDA VSTA DR 92028 FALLBROOK

3600 COMERFORD F J 728-0186 7
3602 SMITH MALCOLM 728-0244+9
3606 XXXX 00
3625 XXXX 00
3650 TOBIN CHARLES W 728-3959+9
3708 FERGUSON G E--LTCOL 728-8037 3
FERGUSON MARY 728-8037
3845 XXXX 00
3858 STROMSOE D A 728-1445
4017 NYE PHILIP L 728-8560
4045 OERTLE LESLIE J 728-1589 7
4050 PETERSON ROGER JR 728-8499+9
4056 PILLARELLA HENRY 728-5783+9
4073 PERRY C J A 728-7143
4074 ALOE BEN 728-5116 8
4135 BELLER ALVIN F 728-6934 5
4178 LEMONS WAYNE 728-6897 7
4202 MCCLOUD BOB 728-0220+9
4225 MORRIS D 728-4428 4
4260 XXXX 00
4266 XXXX 00
4268 XXXX 00
4270 XXXX 00
★ 0 BUS 23 RES 5 NEW

LINDA VSTA DR 92069 SAN MARCOS

930 XXXX 00
945 WELLING ELIZABETH 727-1983 8
969★ ARMOR SAFE CORP 744-4992 7
975★ CONSTRUCTION STG BY 744-4820 8
DO WEL PLUMBING INC 744-8560 7
977★ MIDWAY CONTAINER 744-8760 7
1010★ CASE POWER&EQUIPMNT 744-1160 7
1015★ PARKSON INC 566-3848+9
★ PROFESNL DVRS SPLY 744-3185 8
★ SATURATION SYS VSLS 744-3185 8
★ SATUBATION SYSTEMS 580-1505+9
1020★ COWAN TRUCK SRVC 744-9870+9
★ ESCONDIDO TRUCK 744-1589 8
★ SOUTHRN CAL ROOFING 744-2840 5
★ TAYKO INDUSTRIES 744-3883 6
★ WINDASHADE SCREENS 744-2577 6
1045★ BENCH MARK CO 727-0153+9
★ BRIGNT CONSTRUCTION 744-2500 6
★ D G DOOR CO 744-8354+9
★ HICKORY FARMS OHIO 727-1378 7
★ INLAND MOTOR DIV 744-5671 5
★ KIMCO INC 744-6872 7
★ SENCO PRODUCTS INC 744-1773+9
★ SOMMERS DVLP CORP 744-0810+9
★ STUCKEY R L ENG 744-0860+9
1075★ AEON MOBILE HM EXT 744-2524 8
★ AZTEC BUS MACH 744-3760+9
★ B&F GLASS 744-9518+9
★ B&F GLASS 744-0181+9
★ CENTURION SUN CNTRL 744-3060+9
★ ELITE BREAD 744-1282+9
★ GENERAL SECURITY 744-2711+9
★ GENERAL SOLAR PROD 744-9538+8
★ NICHOLS C W CRMC TL 744-4852+9
★ SANMARCOS CERAMC TL 744-4852+9
★ SCHILB&ASSOCIATES 727-2613+9
★ SOUTHLAND HARDWARE 744-9310+8
★ SPARTAN INTERIORS 744-5500+9
1400★ RESERVE WAREHOUSE 744-8021+9
1455★ FERRARI MASCHIO 744-5001+9
★ MASCHIO RTRY TLLRS 744-5001+8
8★ GILLMAN CO 744-8585+9
1512★ CHUCKS WELDING 744-5380 7
SCHULZ CHAS L 727-4344+8
1520★ SCHMID INSLTN CONTR 744-2235 4
1530★ FREE BUILDERS SPLY 744-3340 3
★ FREES GYM 744-0917+9

LINDA VSTA DR 92069 CONT
1550★ JUST LOOKING 744-8750+8
D★ KINGSBORNE PRD LMTD 744-4101 5
1570★ ARIAH&WILLESS INC 744-3430+9
★ BUTLERS MILL INC 744-9600+9
★ DEARDONFF&DEARDORFF 744-0910+9
★ HANAFIN&SMITH 744-4943+8
★ LUSARDI P H CONSTR 744-3133 2
★ MARDEN SUSCO 744-5600 8
★ PARR DEVELOPMENT 744-4943+9
★ SMITH&HANAFIN 744-4943+9
SMITH&HANAFIN 744-4943+9
★ WEACCO INC 744-3430 3
★ YANN CONSTRUCTION 727-0203+9
8★ WHITE RAY SERV 744-8490+9
1610★ POLK R L&CO 744-4210 4
1618★ NEW WORLD CABINETS 744-5853+8
1620★ CYMAC LITHOGRAPHERS 744-0900+9
1650★ CONTINTL PLANNING 744-2287 7
★ GILMORE CONSTR CO 727-2270 6
★ HUNT HELEN RLTY 744-9030+9
★ KIRCHNAVY WM CONSTR 744-0218 4
★ MILLERS DRAFTING SV 744-8468 7
★ NORTH AMER LF&CSLTY 744-2287 7
★ TEMPLETON ANSWERING 744-5133 5
★ TEMPLETON GRADING 744-0930 3
★ THIRD PLANET GRPHCS 744-0180+9
★ TOUCH OF ELEGANCE 744-3656 6
TROMBLEY FLORENCE 727-3477 8
★ TROMBLEY VINCE MUSC 727-3477 8
★ 71 BUS 5 RES 40 NEW

LINDA VSTA DR 92083 VISTA

3165 CONNER LESLEY 727-2297+9
3181 QUINN BRIAN 727-2211+9
3209 SOLATKAB M 727-3598+9
3212 JARDIN ALVARDO S 727-3547 8
3217 GUNNARSON GERALD A 727-4378 7
3224 XXXX 00
3230 WANKET HARRY 727-2298 7
3231 REED R 727-2815 7
3239 THARP WM N 727-1173 8
3253 MORGAN MICHAEL A 727-4915 8
3265 XXXX 00
3336 MATA ENRIQUE 727-1284 2
3361 ROBERTSON STEVEN 727-4744+9
3376 GARCIA JOHN C 727-1737
OVERAND JAKE H 727-2686 6
3412 GROSS ROCKEY B 727-1775 1
★ GROSS ROCKEY CONSTR 727-1775 3
3464 HERZ ROBT 727-1439 7
3470 LAWRENCE ROBT 727-2905 4
3480 KERN JOHN F 727-1618 4
3524 KUNDINGER THOS R 727-2139 4
3532 HARRINGTON A C 727-1386 1
3535 APARTMENTS
96 ADAMS WM 727-4023 7
76 AKER FLOYD 727-2401 4
118 ALEWEL LESLIE H 727-4870 7
79 ALLEN FREDRIC R 727-1635 5
28 ANDERSON ARCHIE 727-0856 3
ANDERSON CURTIS H 727-5485+9
28 ANDERSON FLORENCE 727-0856 3
ANDERSON K O 727-5058+9
ANDERSON L 727-3361 8
49 ARGENTINE DOMINIC 727-3598 6
ARMSTRONG CHARLES 727-1548+9
ARNOLD JAMES W 727-2927+9
127 ASHBRENNER WALTER 727-0188 6
48 AURAND ROBT 727-2569 6
BARNER EUGENE F 727-3088 8
188 BARRICK CHAS 727-2358 4
201 BEACH CHESTER W 727-2362 4
BECKETT JOE S 727-5794+9
21 BERGSTROM HERBERT 727-3428 5
3 BEST LINDLEY M 727-2596 6
BIGG ELMER W 727-5399+9
BISHOP TED 727-4764 8
73 BONNAR HELEN 727-2726 4
87 BONNOT L H 727-3622 7
BOOTHE H L 727-3605+9
233 BOSHART NORMA-MRS 727-2292 4
239 BOYER GEO H 727-2795 3
216 BREITBARTH LEROY 727-3043 7
BREWER CHAS H 727-2954 8
130 BRIGGS DALE W 727-0229 5
202 BROCAS C L 727-0797 3
120 BROTHERTON O W 727-3812 7
162 BROWNING ROBT K 727-1075 4
BULLARD WM E 727-4492 8
135 BURNS LESTER E 727-3045 6
32 CALLOWAY WM C 727-2116 7
238 CAMPBELL WM CLAIR 727-2662 4
66 CANNON JAS 727-3185 5
30 CARAMAGNA J 727-1154 6
CARLSON CLAIR A 727-2255 8
CASSEL E C 727-0692 8
CLARKE CLARENCE L 727-2144 8
167 COLLETTS ALBERT J 727-4755 7
213 COLLINS GEO R 727-3414 5
CORSON M JACK 727-5697+8
230 COX ALLAN BRYON 727-2484 4
203 CUNNINGHAM HAROLD 727-0540 6
DAVIS DENVER E 727-3186+9
19 DAYTON GEO W 727-1809 5
205 DEITRICH MEDA M 727-3778 5
11 DELAUNEY CAMILLA G 727-3291 7
220 DICKSON FRANK 727-3005 7
199 DILLON W T 727-2610 4
190 DOLFEN MAURICE C 727-4187 7
33 DREW EDW G 727-2407 4
DURHAM HAROLD E 727-5645+9
209 EARNSHAW ARTHUR-DC 727-1331 5
187 EATON B F 727-0392 5
187 EATON EDNA E 727-0392 5
53 EDWARDS R KENNETH 727-4072 7
184 EGGE G E 727-3208 6
222 ELMGREN VIVIAN 727-3488 5
ESTES BERNARD 727-1494 8
137 EUSTON RAYMOND H 727-3309 5
78 FAST HENRY K 727-1853 3
192 FILLIUS EDWIN P 727-3127 6
FLINT LUTHER&CASSI 727-3687 8
140 FOBES GEO L 727-2971 5
25 FOREN V L 727-0824 3
104 FORTERELL JAS 727-2296 4
155 FREIVALD RAYMOND J 727-2131 5
FRENK ARTHUR C 727-1317+9
110 GALVIN M J 727-3069 7
GARCIA E M 727-2984+9
GEORGES GEORGE 727-3631+9
128 GRANOFIELD WILLARD 727-2664 7
63 HALL E J 727-2488 4
158 HARDENBERGH KARL D 727-2964 5
14 HARTSON CECILE D 727-1997 3
14 HARTSON HARLEY H 727-1997 3
116 HASSELFELD KARL W 727-1639 6
240 HAZARD ALLAN W 727-2799 7
HEMPHILL G J 727-3755+9
80 HERBRUCK LAVERNE 727-0388 7
HERRON JOHN A 727-3098+9
HIESLER HARRY W 727-2745+8
82 HILL AL 727-2558 4

IN ANY MANNER WHATSOEVER EXCEPT AS AUTHORIZED IN WRITING BY HAINES & CO. INC

Target Street	Cross Street	Source
✔	-	Haines Criss-Cross Directory

GRAND AVE 1975

..GRANADOS S 92075 CONT..
439 XXXX 00
440 ASHER WM A 755-8212
451 MCADAM WM H JR 481-0437+5
502 XXXX 00
512 HUGHES WAYNE E 755-2669
515 EGINTON EDW 755-3206 3
524 REED A W 755-1335
525 HENDRIKSEN C R 755-2632
535 GAGE JAS E 755-4446
536 FAY HERMAN P 755-9248 1
542 CARLTON A P 755-9101
* 0 BUS 44 RES 3 NEW

GRAND 92008 CARLSBAD

370*RALPH&EDDIES 729-2989
*RALPH&EDDIES CRD RM 729-7515
390*WILSON COLEMAN CNST 729-2937+5
*WILSONS FURN&INTR 729-2369 2
425*SOUTH PAC TRAIN SHP 729-1887+5
507*BEAUTY COTTAGE 729-2424
*COTTAGE BEAUTY 729-2424
519*HOWARD V E CO INC 729-7157 3
530*CASUAL SHOP THE 729-3716
540*ELITE CLEANERS 729-1211 3
*RUG DOCTOR RENTS 729-1211+5
555 XXXX 00
560*CARLSBAD STATIONERS 729-1052
565*JOHNNYS BARBER SHOP 729-3726
570*BOBBIS ARTS&CRAFTS 729-7032 2
575*DILLARD GENE 729-4121 1
*FARMERS INS GROUP 729-4121 3
580*TIP TOP INTR DCRTNG 729-3690
*TIP TOP INTR&GFTS 729-3690+5
*WOODARD ETTA G MRS 729-3690
A*MARUICHI ORTL FOD 729-5668
C*THE OTHER PLACE 729-2586 1
585*CALIFORNIA RNTL ASN 729-7676 0
590*GRAND DONUT HOUSE 729-4668
595*COAST OFFICE PRDCTS 729-5440 3
616 KANE JANE A MRS 729-3827
KANE THOS L 729-3627
B WOODARD ETTA G 729-0081+5
645 VERMILYEA V P 729-1612
658 GREGORY VIDA PAT 729-6166 4
699*DCNSO FORL SVGS&LN 729-5926
710 XXXX 00
712 NEISWENDER N 729-8039 3
725 BARSON CLYDE J DDS 729-4904 0
CRAIG KENITH R DDS 729-4904 1
FELLARS DONALD DDS 729-4904+5
PACKARD FLOYD L DMD 729-4904
PACKARD H VON DMD 729-4904
PACKARD RONALD DMD 729-490+
752*CALIF CATERING SV 729-4449+5
*MARRONS MXCN REST 729-4449+5
756*GIFFORD BROOKS JR 729-7169+5
MOE AL 729-5901 3
STREET JAMES W 729-5901 3
785*ATKIN ROY D 726-4790+5
786 KINGSTON J R 729-1413 4
860 XXXX 00
861 WARREN R H 729-8647 3
876 XXXX 00
888 XXXX 00
910 XXXX 00
918 XXXX 00
921 PINNEY MARJORIE D 729-2137 2
PINNEY WARREN T 729-2137 2
923 HAWES JAS A 729-6252+5
925 ALEXANDER RICHARD 729-9355 4
927 XXXX 00
929 LEWIS NANCY 729-3523+5
931 HANSEN RALPH H 729-0653+5
933 BENNETT JOHN A 729-0033 4
9458 LONGO SHIRLEY 729-0753+5
955 ORTEGA JOHN 729-3470
972 MUSCOLO M 729-7058+5
988 JOHNSON ROLAND W 729-4379 0
1000 XXXX 00
1001 REDDICK DONALD 434-1149+5
1008 DUNHAM GOLDIE I 729-3540
1009C MILLIORN DOROTHY A 729-0150+5
C MILLIORN THOS A 729-0150+5
1022 MARTINEZ DAVE 729-8580+5
TORRES ALBERT 729-8580+5
1026 BLUE WAYNE C 729-5544+5
1050 BRAZIER BUDDY 729-8194+5
1099 XXXX 00
* 29 BUS 45 RES 22 NEW

GRAND 92014 DEL MAR

NO LISTINGS

GRAND 92069 SAN MARCOS

645*HUNTER AMER MBL HM 744-5252+5
*HUNTER MBL HOME SLS 744-5252+5
745....BUILDING
*ANTHONY SCHOOL SD 744-4777 4
*BARRETT H RL EST 744-1842+5
*BUD BUSH&ASSOCIATES 744-3212+5
*CONTRACTRS LCNS SCH 744-4777 4
*ELLIOTT THOS F CLU 744-1000+5
*INDEP ORDER FRSTRS 727-2006+5
*INSURNCE LICENSE SC 744-4777 4
*MORRISEY WM J 744-1842+5
*MUTUAL FUNDS LCN SC 744-4777 4
*NORTH CO JOB PROGRS 744-3030+5
*NORTHLAND ESCROW 744-0110+5
*OCCIDENTAL LIFE INS 744-1000+5
*REAL EST LICNSE SCH 744-4777 4
*SALES TRAING RL EST 744-4777 4
*SANMARCS COURIER 744-1251+5
745.....
795*SAN MARCOS MOTEL 744-9924

..GRAND 92069 CONT..
SCHICK ALFRED H 744-2899 2
801*MOBILE MART INC 744-4330 4
825*CAMPERLAND INC 744-3317 2
6318*COCHRAN&KRESSIN 744-2576+5
833*ARTISTIC FRAMES 744-3023+5
*ARTISTIC FURN CRPT 744-3024+5
*WESTFALL ART&INTR 744-3022+5
835*CAMPBELL HOMER E 744-3699 2
837 XXXX 00
839 XXXX 00
841 XXXX 00
643*T OS COCKTAIL LNG 744-1649+5
*TOMASINOS ITLN REST 744-1649 2
849*ECKERTS VAN&STORAGE 744-3636 4
*NORTH AMER VAN LINE 744-3636 4
675*MOBLE LF MBLHM BRKR 727-3303+5
931*FRALEYS AUTO CLINIC 744-3001+5
961*STAR BUILDERS SPPLY 744-3240 2
983 XXXX 00
1003*WHITE STAN AUTO RPR 744-0144 3
1025*FORMACEL 744-1658
*LESLIE MFG CORP 744-1656
1031*ESAU SUPPLY CO 744-4901+5
1035*WARREN RAYMOND CO 744-1252 1
1039 XXXX 00
1043 XXXX 00
1047 XXXX 00
1049*SANDERS GEO L 744-3191 1
*SKI KIT CO 744-3191+5
1051 XXXX 00
1053*KLEEN SWEEP OF SD 744-0624 4
1055*AMER FENCE CO CALIF 744-4124+5
*REO ENGINEERING 744-3680+5
1057*BIKE SANCTUARY THE 744-4122 4
1101*ACADEMY PRFRMG ARTS 744-1022+5
1111*SHELTON WOOD FNSHG 744-4192+5
1137*E Z EQUIPMENT RNTLS 744-5005+5
1139*ALADDIN SHEDS 744-4260 4
*LYONS&PHELPS 744-5292+5
1141 XXXX 00
1145*AERO MYFLWR MVG AGC 744-4114 4
*MAYFLOWER AERO MOVG 744-4114 4
*SD VAN&STORAGE CO 744-4114+5
1255*LEWIS ALFRED M INC 744-2244 2
1311*BRYAN BILL PAINTING 744-4600+5
1320....BUILDING
*6 O P OF NORTH CO 744-3000+5
*BERNIES DRAPERY SH 727-0587 4
*BILLYS VW BUG SHOP 744-5566+5
*CAMPBELL JAS C 727-0587 4
*COHAGEN MAINTENANCE 744-3435 4
*COOPER MOLD&MFG CO 744-0233+5
*DEVELOPMENTAL SCNCE 744-0656+5
*FERGUSON MARGARET 744-1017 4
*JOHNSON ELECTRIC CO 744-3643+5
*L A C R R 744-5262+5
37 *LAMOUREUX VINCENT 744-3707 4
3 *PERFECTION PRODUCTN 744-4592 4
*REINHOLD L W PLSTCS 744-0507+5
5 *ROCKDALE CONSTRUCTN 744-2047 4
*ROSS J BARONE&SONS 744-3336+5
*SANMARCS CLAYWORKS 744-0749+5
*SYSTEMS TECHNOLOGY 744-2847+5
*TAILORED CNSTRCTN 744-3013 4
*TOTAL CUSTOM GLF CO 724-1128+5
*TRAHO CORP 744-5710+5
8 *TRI CITY ELECTRIC 744-3707 4
*VIDEO DEVICES CO 744-5353+5
*WHITTY EDW C 724-1128+5
1320.....
1331 WELLS EVELYN V 744-3486 2
1370*BALBOA PLUMBING 744-4608 4
*DEWEY PEST CONTROL 744-3170+5
1371 GONZALES EDW 727-0542 3
GONZALES FLO 727-0542 3
*GOPHER CONSTRUCTION 744-2871 3
1372*TRI CITY GLASS CO 744-3205 4
1373*VINSON&FORTINER 727-2700 4
1522*BUSNSS&INDSTL OUTLK 744-2212 4
*SAN MARCOS OUTLOOK 744-2212 3
1553*BLAKE W C 744-3270+5
*BLAKE&URTES 744-3270+5
*URTES J NELSON 744-3270+5
8*AMRICO MOBLE BKKPNG 744-0117+5
8*KREUTZ KENNETH C 744-0117+5
8*SANMARCS COPY CENTR 744-3102+5
1555*COMMNCTN WRKRS 9511 744-3453+5
TREVINO HERB 744-4222+5
1557 HALCOMB WM W MD 727-3444+5
NO # CARLSON ALMA 744-1437
NO # CARLSON J F 744-1088
* 90 BUS 17 RES 52 NEW

GRAND 92083 VISTA

3201 PLUDE EMILE 727-2314 4
3218 HAYES JAS K 727-3190+5
3221 GIVEN RALPH T 727-2960 4
3227 GARDINER CHAS E 727-1554+5
GARDINER IMOGENE 727-1554+5
3228 VARGAS JOS 727-1506 3
3235 CHAMBERS R D 727-2304 4
3238 SCHOLL KEITH C 727-2456 4
3246 MILLER OTTO C COR 727-0086 3
3254 CHAPMAN F W 727-1155 3
3304 HERTERICH EDW J 727-1659 1
3317 BUTCH PETER 727-2986 3
HENNESSY EDITH 727-0398+5
3336 DUBORD ARMAND 727-0107+5
DUBORD HUGUETTA 727-0107+5
3346 SPRINGER MICHAEL D 727-1264 1
3358 CHRISTOFERSON L MRS 727-7455 1
3419*SAN MARCOS LUTH CH 727-1509 2
3433 SCHUMACHER WM H REV 727-0528+5
3443 XXXX 00
* 1 BUS 19 RES 7 NEW

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LINDA VISTA DR 1975

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 4270 LEAVITT HERMAN 8    728-2458 0
      *    0 8US    18 RES     5 NEW


 LINDA VISTA DR  92069  SAN MARCOS


 1010*METRO EQUIPMENT CO 744-1160 0
 1015*PARKSON INC        436-1880+5
 1020*ACTION PIPE&EQUIPMT744-2000+5
      *RYOER TRUCK RENTAL 744-5300+5
      *SANMARCS EQUIP RNTL744-5300+5
      *SO CALIF ROOFING CO744-2640+5
 1045*8RIGHT WM C         744-2900+5
      *COSTA CONSTRUCTION 744-2691+5
      *GRAPHIC LGHTNG SYS 744-5355+5
      *INLANO MOTOR OIV   744-5671+5
      *KIMCO INC          744-3480+5
 1520*SCHMIO INSLTN CONTR744-2235 4
 1530 8I8LE CHAS         744-5120+5
      *FREE 8UILOERS SPLY 744-3340 3
1550A*SMITH MFG INC      744-4811+5
    8*XENTEK INC         744-3346+5
   0*KINGS80RNE PRO LMTO744-4101+5
 1570*CAMINO CONST EQUPT 744-3255 3
      *OELPY F 8          744-3255 3
      *OONOVAN FRANK J    744-2093 3
      *LUSAROI P CNSTRCTN 727-0613+5
      *LUSAROI P H CONSTN 744-3133 2
      *MAROEN SUSCO       744-5600+5
      *WEACCO INC         744-3430 3
       WHITE R A          744-4747 4
 1610*POLK R L&CO         744-4210 4
 1620 COOEO COMMUNICATNS 744-3710 4
1650....8UILOING
      *CALICHE CONSTRUCTN 744-5464+5
      *FAR WEST FIOUCIARY 744-2297 4
      *GI880NS WARREN W CO744-5660+5
      *KIRCHNAVY WM CONSTR744-0216 4
      *PAULL OEVELOPMENT  744-5070+5
      *PAULL R 8LOG CONTR 744-5070+5
      *SCHEOULEO MNTNC INC727-3570+5
      *SMYLIE JOHN        744-2745+5
      *TEMPLETON ANSWERING744-5133+5
      *TEMPLETON GRAOING  744-0630 3
      *VOSMIK J M INVSTMNT727-1349+5
1650.......................
      *  35 8US    2 RES    24 NEW


 LINDA VISTA DR  92083  VISTA


 3336 MATA ENRIQUE       727-1284 2
 3376 8ARLING HENRY A    727-1443 4
      GARCIA JOHN C      727-1737
 3412 GROSS OENIA        727-1775 1
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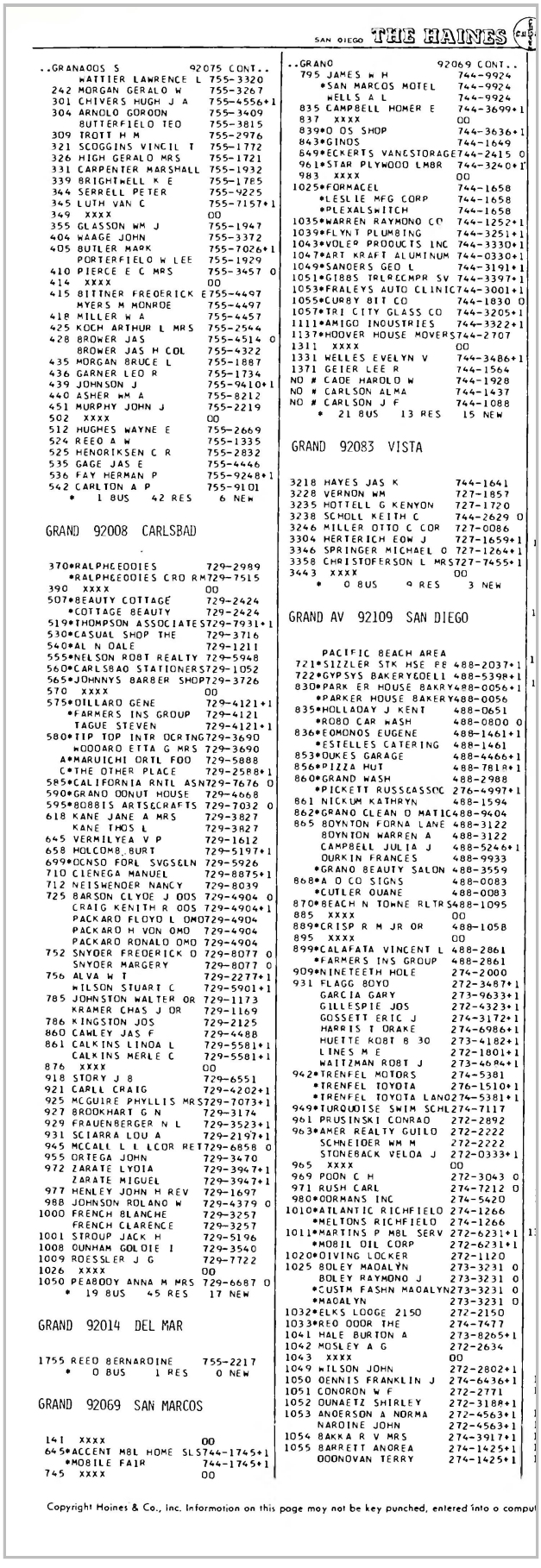
GRAND AVE 1971



SAN DIEGO THE HAINES

..GRANADOS S 92075 CONT..
WATTIER LAWRENCE L 755-3320
242 MORGAN GERALD W 755-3267
301 CHIVERS HUGH J A 755-4556+1
304 ARNOLD GORDON 755-3409
BUTTERFIELD TED 755-3815
309 TROTT H M 755-2976
321 SCOGGINS VINCIL T 755-1772
326 HIGH GERALD MRS 755-1721
331 CARPENTER MARSHALL 755-1932
339 BRIGHTWELL K E 755-1785
344 SERRELL PETER 755-9225
345 LUTH VAN C 755-7157+1
349 XXXX 00
355 GLASSON WM J 755-1947
404 WAAGE JOHN 755-3372
405 BUTLER MARK 755-7026+1
PORTERFIELD W LEE 755-1929
410 PIERCE E C MRS 755-3457 0
414 XXXX 00
415 BITTNER FREDERICK E 755-4497
MYERS M MONROE 755-4497
418 MILLER W A 755-4457
425 KOCH ARTHUR L MRS 755-2544
428 BROWER JAS 755-4514 0
BROWER JAS H COL 755-4322
435 MORGAN BRUCE L 755-1887
436 GARNER LEO R 755-1734
439 JOHNSON J 755-9410+1
440 ASHER WM A 755-8212
451 MURPHY JOHN J 755-2219
502 XXXX 00
512 HUGHES WAYNE E 755-2669
524 REED A W 755-1335
525 HENDRIKSEN C R 755-2832
535 GAGE JAS E 755-4446
536 FAY HERMAN P 755-9248+1
542 CARLTON A P 755-9101
* 1 BUS 42 RES 6 NEW

GRAND 92008 CARLSBAD

370*RALPHEEDDIES 729-2989
*RALPHEEDDIES CRD RM 729-7515
390 XXXX 00
507*BEAUTY COTTAGE 729-2424
*COTTAGE BEAUTY 729-2424
519*THOMPSON ASSOCIATES 729-7931+1
530*CASUAL SHOP THE 729-3716
540*AL N DALE 729-1211
555*NELSON ROBT REALTY 729-5948
560*CARLSBAD STATIONERS 729-1052
565*JOHNNYS BARBER SHOP 729-3726
570 XXXX 00
575*DILLARD GENE 729-4121+1
*FARMERS INS GROUP 729-4121
TAGUE STEVEN 729-4121+1
580*TIP TOP INTR OCRTNG 729-3690
WOODARD ETTA G MRS 729-3690
A*MARUICHI ORTL FOO 729-5888
C*THE OTHER PLACE 729-2588+1
585*CALIFORNIA RNTL ASN 729-7676 0
590*GRAND DONUT HOUSE 729-4668
595*BOBBIS ARTS&CRAFTS 729-7032 0
618 KANE JANE A MRS 729-3827
KANE THOS L 729-3827
645 VERMILYEA V P 729-1612
658 HOLCOMB BURT 729-5197+1
699*DCNSO FORL SVGS&LN 729-5926
710 CLENEGA MANUEL 729-8875+1
712 NEISWENDER NANCY 729-8039
725 BARSON CLYDE J DDS 729-4904 0
CRAIG KENITH R DDS 729-4904+1
PACKARD FLOYD L DMD 729-4904
PACKARD H VON DMD 729-4904
PACKARD RONALD DMD 729-4904
752 SNYDER FREDERICK D 729-8077 0
SNYDER MARGERY 729-8077 0
756 ALVA W T 729-2277+1
WILSON STUART C 729-5901+1
785 JOHNSTON WALTER DR 729-1173
KRAMER CHAS J DR 729-1169
786 KINGSTON JOS 729-2125
860 CAWLEY JAS F 729-4488
861 CALKINS LINDA L 729-5581+1
CALKINS MERLE C 729-5581+1
876 XXXX 00
918 STORY J B 729-6551
921 CARLL CRAIG 729-4202+1
925 MCGUIRE PHYLLIS MRS 729-7073+1
927 BRODKHART G N 729-3174
929 FRAUENBERGER N L 729-3523+1
931 SCIARRA LOU A 729-2197+1
945 MCCALL L L LCDR RET 729-6858 0
955 ORTEGA JOHN 729-3470
972 ZARATE LYDIA 729-3947+1
ZARATE MIGUEL 729-3947+1
977 HENLEY JOHN H REV 729-1697
988 JOHNSON ROLAND W 729-4379 0
1000 FRENCH BLANCHE 729-3257
FRENCH CLARENCE 729-3257
1001 STROUP JACK H 729-5196
1008 DUNHAM GOLDIE I 729-3540
1009 ROESSLER J G 729-7722
1026 XXXX 00
1050 PEABODY ANNA M MRS 729-6687 0
* 19 BUS 45 RES 17 NEW

GRAND 92014 DEL MAR

1755 REED BERNARDINE 755-2217
* 0 BUS 1 RES 0 NEW

GRAND 92069 SAN MARCOS

141 XXXX 00
645*ACCENT MBL HOME SLS 744-1745+1
*MOBILE FAIR 744-1745+1
745 XXXX 00

..GRANO 92069 CONT..
795 JAMES W H 744-9924
*SAN MARCOS MOTEL 744-9924
WELLS A L 744-9924
835 CAMPBELL HOMER E 744-3699+1
837 XXXX 00
839*O OS SHOP 744-3636+1
843*GINOS 744-1649
849*ECKERTS VANESTORAGE 744-2415 0
961*STAR PLYWOOD LMBR 744-3240+1
983 XXXX 00
1025*FORMACEL 744-1658
*LESLIE MFG CORP 744-1658
*PLEXALSWITCH 744-1658
1035*WARREN RAYMOND CO 744-1252+1
1039*FLYNT PLUMBING 744-3251+1
1043*VOLEE PRODUCTS INC 744-3330+1
1047*ART KRAFT ALUMINUM 744-0330+1
1049*SANDERS GEO L 744-3191+1
1051*GIBBS IRLR&CMPR SV 744-3397+1
1053*FRALEYS AUTO CLINIC 744-3001+1
1055*CURBY BIT CO 744-1830 0
1057*TRI CITY GLASS CO 744-3205+1
1111*AMIGO INDUSTRIES 744-3322+1
1137*HOOVER HOUSE MOVERS 744-2707
1311 XXXX 00
1331 WELLES EVELYN V 744-3486+1
1371 GEIER LEE R 744-1564
NO # CADE HAROLD W 744-1928
NO # CARLSON ALMA 744-1437
NO # CARLSON J F 744-1088
* 21 BUS 13 RES 15 NEW

GRAND 92083 VISTA

3218 HAYES JAS K 744-1641
3228 VERNON WM 727-1857
3235 HOTTELL G KENYON 727-1720
3238 SCHOLL KEITH C 744-2629 0
3246 MILLER OTTO C COR 727-0086
3304 HERTERICH EDW J 727-1659+1
3346 SPRINGER MICHAEL O 727-1264+1
3358 CHRISTOFERSON L MRS 727-7455+1
3443 XXXX 00
* 0 BUS 9 RES 3 NEW

GRAND AV 92109 SAN DIEGO

PACIFIC BEACH AREA
721*SIZZLER STK HSE PB 488-2037+1
722*GYPSYS BAKERY&DELI 488-5398+1
830*PARK ER HOUSE BAKRY 488-0056+1
*PARKER HOUSE BAKERY 488-0056
835*HOLLADAY J KENT 488-0651
*ROBO CAR WASH 488-0800 0
836*EDMONDS EUGENE 488-1461+1
*ESTELLES CATERING 488-1461
853*DUKES GARAGE 488-4466+1
856*PIZZA HUT 488-7818+1
860*GRAND WASH 488-2988
*PICKETT RUSS&ASSOC 276-4997+1
861 NICKUM KATHRYN 488-1594
862*GRAND CLEAN O MATIC 488-9404
865 BOYNTON FORNA LANE 488-3122
BOYNTON WARREN A 488-3122
CAMPBELL JULIA J 488-5246+1
DURKIN FRANCES 488-9933
*GRAND BEAUTY SALON 488-3559
868*A D CO SIGNS 488-0083
*CUTLER DUANE 488-0083
870*BEACH N TOWNE RLTRS 488-1095
885 XXXX 00
889*CRISP R M JR DR 488-1058
895 XXXX 00
899*CALAFATA VINCENT L 488-2861
*FARMERS INS GROUP 488-2861
909*NINETEETH HOLE 274-2000
931 FLAGG BOYD 272-3487+1
GARCIA GARY 273-9633+1
GILLESPIE JOS 272-4323+1
GOSSETT ERIC J 274-3172+1
HARRIS T DRAKE 274-6986+1
HUETTE ROBT B 30 273-4182+1
LINES M E 272-1801+1
WAITZMAN ROBT J 273-4694+1
942*TRENFEL MOTORS 274-5381
*TRENFEL TOYOTA 276-1510+1
*TRENFEL TOYOTA LAND 274-5381+1
949*TURQUOISE SWIM SCHL 274-7117
961 PRUSINSKI CONRAD 272-2892
963*AMER REALTY GUILD 272-2222
SCHNEIDER WM M 272-2222
STONEBACK VELDA J 272-0333+1
965 XXXX 00
969 POON C H 272-3043 0
971 RUSH CARL 274-7212 0
980*DORMANS INC 274-5420
1010*ATLANTIC RICHFIELD 274-1266
*MELTONS RICHFIELD 274-1266
1011*MARTINS P MBL SERV 272-6231+1
*MOBIL OIL CORP 272-6231+1
1020*DIVING LOCKER 272-1120
1025 BOLEY MADALYN 273-3231 0
BOLEY RAYMOND J 273-3231 0
*CUSTM FASHN MADALYN 273-3231 0
*MADALYN 273-3231 0
1032*ELKS LODGE 2150 272-2150
1033*REO ODOR THE 274-7477
1041 HALE BURTON A 273-8265+1
1042 MOSLEY A G 272-2634
1043 XXXX 00
1049 WILSON JOHN 272-2802+1
1050 DENNIS FRANKLIN J 274-6436+1
1051 CONORON W F 272-2771
1052 DUNAETZ SHIRLEY 272-3188+1
1053 ANDERSON A NORMA 272-4563+1
NARDINE JOHN 272-4563+1
1054 BAKKA R V MRS 274-3917+1
1055 BARRETT ANDREA 274-1425+1
DONOVAN TERRY 274-1425+1

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-	✓	Haines Criss-Cross Directory

LINDA VISTA DR 1971

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     *   1 BUS    17 RES     2 NEW

LINDA VISTA DR  92069  SAN MARCOS


1010*METRO EQUIPMENT CO  744-1160 D
1020*ACTION ENTERRRISES  744-2000+1
3709 CARDENAS PATRICK R  744-2167 D
3715 HARKIN DOUGLAS G    727-0153+1
3721 MOUNTS C F          744-0850 D
3722 JANORAS LUELLA      727-1075+1
3727 BARBANO CHAS        727-7443
3733  XXXX               OO
3739 GOMORA CHAS         744-2539+1
3740 PORE GERALDINE      744-2427
3742 HERNANOEZ S         727-1532+1
3748 PITTS R G           727-0545+1
3751 RANDALL JACK C      727-1965+1
3763  XXXX               OO
3809 WALASEK RUSSELL     727-1431 D
3818 MAYES RICHARD D     744-3985+1
3821 ELDRIDGE ROBT K     744-2858
    *ELDRIOGE ROOFING CO727-0709+1
3824 PICKERING B D USN   744-2462
3827 BEATTY CHAS E       727-7231
3830 BUTLER ROLAND       744-0333
3833 DAVIS DONALD L      744-1460
3838 BROTZMAN DONNA      727-0109
     BROTZMAN RICHARD    727-0109
3839 CARNEY JOHN         744-2180+1
3844 HODSON DONALD G     744-2563
3851 MENA AMELIA         744-1396
     MENA P B JR         744-1396
3857 NEWCOMER ANDREW L   727-1429
     NEWCOMER MARY JANET727-1429
3858  XXXX               OO
3864 TILLERY CHAS        727-1487
     TILLERY JEANNE K    727-1487+1
3865 MAYORGA HOWARD E    744-1264
     *   3 BUS   31 RES    11 NEW


LINDA VISTA DR  92083  VISTA


3376 GARCIA JOHN C       727-1737
     WILLIAMS SUSAN C    727-1674+1
     WILLIAMS VICTOR JR  727-1674+1
```

Appendix I

Vapor Encroachment Condition Report

VAPOR ENCROACHMENT SCREEN

Prepared by: DUDEK

11/22/2022

TABLE OF CONTENTS

Executive Summary

Primary Map

Map Findings

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EXECUTIVE SUMMARY

STAR BUILDER SUPPLY **961 GRAND AV, SAN MARCOS, CA, 920692601**	S105032736
Impact on Target Property: VEC does not exist	

STAR BUILDER SUPPLY **961 GRAND AV, SAN MARCOS, CA, 920692601**	1023374337
Impact on Target Property: VEC does not exist	

1X B R SLAY **961 GRAND AVENUE, SAN MARCOS, CA, 92069**	S123705080
Impact on Target Property: VEC does not exist	

GRAND AVE DRAINAGE RD IMPROVEMENT PROJECT CIP 88214 **961 983 1003 1023 GRAND AVENUE, SAN MARCOS, CA, 92063**	1025808709
Impact on Target Property: VEC does not exist	

STAR BUILDERS SUPPLY OF SAN MA **961 GRAND AVE, SAN MARCOS, CA, 92069**	U001572229
Impact on Target Property: VEC does not exist	

ASTLEFORD CONSTRUCTION INC **1010 LINDA VISTA DR, SAN MARCOS, CA, 92078-2614**	1000348223
Impact on Target Property: Undetermined	

TNT BLANCHARD GENERAL ENGINEERING **1010 LINDA VISTA DR, SAN MARCOS, CA, 92078**	S113157431

EXECUTIVE SUMMARY

1X TEMPLETON GRATING & EXCAVATING **1010 LINDA VISTA DR, SAN MARCOS, CA, 92078**	S123701977

GRAND CHANNEL BRIDGE PROJECT - CITY OF SAN MARCOS **1010 LINDA VISTA DRIVE, SAN MARCOS, CA, 92069**	1023203872

CARPENTRY PLUS **1010 LINDA VISTA DR, SAN MARCOS, CA, 92078**	1023688048

SAN MARCOS POLISHING **1043 GRAND AVE, SAN MARCOS, CA, 92078**	S113117106
Impact on Target Property: VEC does not exist	

1X LANCASTER AUTO BODY **1043 GRAND ST, SAN MARCOS, CA, 92069**	S123770150
Impact on Target Property: Undetermined	

CRIBWALL COMPANY SITE **1023 GRAND AVENUE, SAN MARCOS, CA, 92078**	S111293383
Impact on Target Property: VEC does not exist	

APEX IMPORT GARAGE **1003 GRAND AVE, SAN MARCOS, CA, 920690000**	S123754789
Impact on Target Property: VEC does not exist	

EXECUTIVE SUMMARY

APEX IMPORT GARAGE **1003 GRAND AVE, SAN MARCOS, CA, 92069**	1000438898
Impact on Target Property: VEC does not exist	

GRAND AVENUE METAL INDUSTRIAL BUILDINGS **1031 GRAND AVENUE, SAN MARCOS, CA, 92078**	S103987173
Impact on Target Property: VEC does not exist	

RUDYS RADIATOR SHOP **1057 GRAND AVE, SAN MARCOS, CA, 92069**	1000442200

SCOTTS VW PARADISE **1031 GRAND AVE, SAN MARCOS, CA, 92069**	S123616994

GRAND AVENUE BUILDING PAD AND SLAB DEMOLITION **APN 219 152 70 47 18 14 40 51 42 45 44 61 08, SAN MARCOS, CA, 92056**	S111459622

V W PARADISE **1031 GRAND, SAN MARCOS, CA, 92069**	1021487862

EXECUTIVE SUMMARY

SAN MARCOS POLISHING **1043 GRAND AV, SAN MARCOS, CA, 92078**	S104748847

PARADISE V W **1031 GRAND, SAN MARCOS, CA, 92069**	S123615623

AUTO TUNE **931 GRAND AV, SAN MARCOS, CA, 92078**	S106060962

RETAINING WALLS CO **1025 GRAND AVE, SAN MARCOS, CA, 92069**	S123755175

K&K TRANSMISSION **1031 GRAND AVENUE, SAN MARCOS, CA, 92069**	S113078021

DR.TRANS **1031 W GRAND AV, SAN MARCOS, CA, 92078**	S106071817

RUDYS RADIATOR SHOP **1057 GRAND AVE, SAN MARCOS, CA, 92069**	S123759131

EXECUTIVE SUMMARY

B & R PORSCHE **1055 GRAND AV, SAN MARCOS, CA, 92069**	S104754770

GLOBAL TRANSMISSIONS **1031 W GRAND AV, SAN MARCOS, CA, 92069**	S105164237

JERRY'S EQUIPMENT **1025 GRAND AV, SAN MARCOS, CA, 92069**	S104748852

CITY OF SAN MARCOS **1041 GRAND AVE, SAN MARCOS, CA, 92078**	S112991110

CRIBWALL COMPANY SITE **1023 GRAND AVENUE, SAN MARCOS, CA, 92078**	1023350187

GRAND AVENUE METAL INDUSTRIAL BUILDINGS **1031 GRAND AVENUE, SAN MARCOS, CA, 92078**	1023310698

COMPUTER EDGE AUTOMOTIVE **1051 GRAND AV, SAN MARCOS, CA, 92069**	S104755084

EXECUTIVE SUMMARY

JOHNS MOBILE **1049 GRAND AVE, SAN MARCOS, CA, 920782602**	S106059851

CITY OF SAN MARCOS **1023 GRAND AVE, SAN MARCOS, CA, 92078**	S112988309

AUTO TUNE **931A GRAND AVE, SAN MARCOS, CA, 92078**	S113041687

CONCRETE SPECIALTIES **1025 GRAND AVE, SAN MARCOS, CA, 92069**	S112908646

K & K TRANSMISSION **1031 GRAND AVE, SAN MARCOS, CA, 92069**	S113063620

AMERICAN FENCE CO **1075 GRAND AV, SAN MARCOS, CA, 920692602**	S104745932

EXECUTIVE SUMMARY

AMERICAN FENCE CO **1075 GRAND AV, SAN MARCOS, CA, 920692602**	S103621956

AMERICAN FENCE CO **1075 GRAND AVE, SAN MARCOS, CA, 92069**	S102423938

MISSION AUTO REPAIR **1020 LINDA VISTA DR B, SAN MARCOS, CA, 92078**	1000220043

PROGRESS METAL FABRICATION **1020 LINDA VISTA DR, SAN MARCOS, CA, 92078**	S106072437

BIGGS HARLEY DAVIDSON **1040 LOS VALLECITOS BLVD, SAN MARCOS, CA, 92069**	S121126804
Impact on Target Property: VEC does not exist	

SPANJIAN/ DUFOUR **1050 LOS VALLECITOS, SAN MARCOS, CA, 92069**	S105692328
Impact on Target Property: VEC does not exist	

JUDD WIRE **870 LOS VALLECITOS BLVD, SAN MARCOS, CA, 92069**	S100727343
Impact on Target Property: VEC does not exist	

EXECUTIVE SUMMARY

JUDD WIRE **870 LOS VALLECITOS, SAN MARCOS, CA, 92069**	S104746374

BREE ENGINEERING CORP **135 VALLECITOS DE ORO STE G, SAN MARCOS, CA, 92069**	S127596077
Impact on Target Property: VEC does not exist	

SIGNET - ARMORLITE INC **130 N BINGHAM DRIVE, SAN MARCOS, CA, 92069**	U001572228
Impact on Target Property: VEC does not exist	

SIGNET ARMORLITE, INCORPORATED **1001 ARMORLITE DR., SAN MARCOS, CA, 92069**	S106519125

SIGNET ARMORLITE, INC. **1001 ARMORLITE DRIVE, SAN MARCOS, CA, 92069**	1000314091

CREST BEVERAGE **1152 ARMORLITE DR, SAN MARCOS, CA, 92069**	S102428480

PRIMARY MAP - 7158032.2S

0 300 1/3 1/2 Miles

- Target Property
- Sites at elevations higher than or equal to the target property
- Sites at elevations lower than the target property
- Manufactured Gas Plants
- National Priority List Sites
- Dept. Defense Sites
- Indian Reservations BIA
- Special Flood Hazard Area (1%)
- 0.2% Annual Chance Flood Hazard
- National Wetland Inventory
- State Wetlands
- Areas of Concern

This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME: Marcos Specific Plan	CLIENT: DUDEK
ADDRESS: 961 GRAND AVE San Marcos CA 92078	CONTACT: Nicole Tucker
LAT/LONG: 33.139998 / 117.185751	INQUIRY #: 7158032.2s DATE: October 25, 2022 10:12 am

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MAP FINDINGS

STAR BUILDER SUPPLY **961 GRAND AV, SAN MARCOS, CA, 920692601**			S105032736
Map ID: A1	Distance: Target Property	Elevation: 544 ft. Above Sea Level	Lists of state and tribal leaking storage tanks Local Lists of Hazardous waste / Contaminated Sites Other Ascertainable Records

Worksheet:

Impact on Target Property: VEC does not exist

Database Details:

LUST: Lists of state and tribal leaking storage tanks

No Details:	No Details

SAN DIEGO CO. SAM: Lists of state and tribal leaking storage tanks

Name:	STAR BUILDER SUPPLY
Address:	961 GRAND AV
City,State,Zip:	SAN MARCOS, CA 920692601
Case Number:	H03765-001
Agency:	DEH Site Assessment & Mitigation
Funding:	LOP - Federal Fund
Facility Type:	Soils Only
Facility Status:	Closed Case
Date:	6/20/1988
Date Began:	12/28/1987

HMMD SAN DIEGO: Local Lists of Hazardous waste / Contaminated Sites

Name:	STAR BUILDER SUPPLY
Address:	961 GRAND AV
City,State,Zip:	SAN MARCOS, CA 92069
Permit Number:	103765
Business Type:	Not Reported
EPA Id Number:	Not Reported
APN:	219-152-40-00
Last HMMD Inspection:	Not Reported
Facility Telephone:	Not Reported
Permit Status:	INAC
Permit Expiration:	Not Reported
Date Last Updated:	11/02/2012
Facility Owner:	STAR BUILDER SUPPLY
Facility Mailing Address:	961 GRAND AV
Facility Mailing City:	SAN MARCOS

STAR BUILDER SUPPLY, 961 GRAND AV, SAN MARCOS, CA, 920692601 (Continued)

Facility Mailing State:	CA
Facility Mailing Zip:	92069-2601
UST Owner:	Not Reported
Handle Regulated Hazmat:	Not Reported
Own Or Operate UST:	Not Reported
Subject To APSA:	Not Reported
Generate Haz Waste:	Not Reported
Treat Haz Waste:	Not Reported
Generate Medical Waste:	Not Reported

CORTESE: Other Ascertainable Records

Name:	STAR BUILDER SUPPLY
Address:	961 GRAND AV
City,State,Zip:	SAN MARCOS, CA 920692601
Region:	CORTESE
Envirostor Id:	Not Reported
Global ID:	T0607303116
Site/Facility Type:	LUST CLEANUP SITE
Cleanup Status:	COMPLETED - CASE CLOSED
Status Date:	Not Reported
Site Code:	Not Reported
Latitude:	Not Reported
Longitude:	Not Reported
Owner:	Not Reported
Enf Type:	Not Reported
Swat R:	Not Reported
Flag:	active
Order No:	Not Reported
Waste Discharge System No:	Not Reported
Effective Date:	Not Reported
Region 2:	Not Reported
WID Id:	Not Reported
Solid Waste Id No:	Not Reported
Waste Management Uit Name:	Not Reported
File Name:	Active Open

ENF: Other Ascertainable Records

Name:	GW EXTRACTION, LAS POSAS REACH FLOOD PROTECTION CONST DEWAT, CITY OF SAN MARCOS
Address:	961 - 1025 GRAND AVENUE
City,State,Zip:	SAN MARCOS, CA 92069
Region:	9
Facility Id:	771530
Agency Name:	San Marcos City

STAR BUILDER SUPPLY, 961 GRAND AV, SAN MARCOS, CA, 920692601 (Continued)

Place Type:	Development
Place Subtype:	Development Site, NEC
Facility Type:	All other facilities
Agency Type:	City Agency
# Of Agencies:	1
Place Latitude:	33.14128
Place Longitude:	-117.18704
SIC Code 1:	Not Reported
SIC Desc 1:	Not Reported
SIC Code 2:	Not Reported
SIC Desc 2:	Not Reported
SIC Code 3:	Not Reported
SIC Desc 3:	Not Reported
NAICS Code 1:	Not Reported
NAICS Desc 1:	Not Reported
NAICS Code 2:	Not Reported
NAICS Desc 2:	Not Reported
NAICS Code 3:	Not Reported
NAICS Desc 3:	Not Reported
# Of Places:	1
Source Of Facility:	Reg Meas
Design Flow:	0.09999
Threat To Water Quality:	Not Reported
Complexity:	Not Reported
Pretreatment:	Not Reported
Facility Waste Type:	Not Reported
Facility Waste Type 2:	Not Reported
Facility Waste Type 3:	Not Reported
Facility Waste Type 4:	Not Reported
Program:	NPDNONMUNIPRCS
Program Category1:	NPDESWW
Program Category2:	NPDESWW
# Of Programs:	1
WDID:	9 000002343
Reg Measure Id:	405850
Reg Measure Type:	Enrollee - NPDES
Region:	9
Order #:	R9-2015-0013
Npdes# CA#:	CAG919003
Major-Minor:	Minor
Npdes Type:	Not Reported
Reclamation:	Not Reported
Dredge Fill Fee:	Not Reported
301H:	Not Reported
Application Fee Amt Received:	Not Reported
Status:	Active
Status Date:	07/06/2018

STAR BUILDER SUPPLY, 961 GRAND AV, SAN MARCOS, CA, 920692601 (Continued)

Effective Date:	06/24/2016
Expiration/Review Date:	06/30/2019
Termination Date:	Not Reported
WDR Review - Amend:	Not Reported
WDR Review - Revise/Renew:	Not Reported
WDR Review - Rescind:	Not Reported
WDR Review - No Action Required:	Not Reported
WDR Review - Pending:	Not Reported
WDR Review - Planned:	Not Reported
Status Enrollee:	N
Individual/General:	I
Fee Code:	62 - Treatment system to meet priority pollutant limit Category 1
Direction/Voice:	Passive
Enforcement Id(EID):	431178
Region:	9
Order / Resolution Number:	Not Reported
Enforcement Action Type:	Staff Enforcement Letter
Effective Date:	06/11/2019
Adoption/Issuance Date:	06/11/2019
Achieve Date:	Not Reported
Termination Date:	06/11/2019
ACL Issuance Date:	Not Reported
EPL Issuance Date:	Not Reported
Status:	Historical
Title:	SEL for San Marcos City
Description:	Not Reported
Program:	NPDNONMUNIPRCS
Latest Milestone Completion Date:	Not Reported
# Of Programs1:	1
Total Assessment Amount:	0
Initial Assessed Amount:	0
Liability $ Amount:	0
Project $ Amount:	0
Liability $ Paid:	0
Project $ Completed:	0
Total $ Paid/Completed Amount:	0

Name:	GW EXTRACTION, LAS POSAS REACH FLOOD PROTECTION CONST DEWAT, CITY OF SAN MARCOS
Address:	961 - 1025 GRAND AVENUE
City,State,Zip:	SAN MARCOS, CA 92069
Region:	9
Facility Id:	771530
Agency Name:	San Marcos City
Place Type:	Development
Place Subtype:	Development Site, NEC
Facility Type:	All other facilities

STAR BUILDER SUPPLY, 961 GRAND AV, SAN MARCOS, CA, 920692601 (Continued)

Agency Type:	City Agency
# Of Agencies:	1
Place Latitude:	33.14128
Place Longitude:	-117.18704
SIC Code 1:	Not Reported
SIC Desc 1:	Not Reported
SIC Code 2:	Not Reported
SIC Desc 2:	Not Reported
SIC Code 3:	Not Reported
SIC Desc 3:	Not Reported
NAICS Code 1:	Not Reported
NAICS Desc 1:	Not Reported
NAICS Code 2:	Not Reported
NAICS Desc 2:	Not Reported
NAICS Code 3:	Not Reported
NAICS Desc 3:	Not Reported
# Of Places:	1
Source Of Facility:	Reg Meas
Design Flow:	0.09999
Threat To Water Quality:	Not Reported
Complexity:	Not Reported
Pretreatment:	Not Reported
Facility Waste Type:	Not Reported
Facility Waste Type 2:	Not Reported
Facility Waste Type 3:	Not Reported
Facility Waste Type 4:	Not Reported
Program:	NPDNONMUNIPRCS
Program Category1:	NPDESWW
Program Category2:	NPDESWW
# Of Programs:	1
WDID:	9 000002343
Reg Measure Id:	405850
Reg Measure Type:	Enrollee - NPDES
Region:	9
Order #:	R9-2015-0013
Npdes# CA#:	CAG919003
Major-Minor:	Minor
Npdes Type:	Not Reported
Reclamation:	Not Reported
Dredge Fill Fee:	Not Reported
301H:	Not Reported
Application Fee Amt Received:	Not Reported
Status:	Active
Status Date:	07/06/2018
Effective Date:	06/24/2016
Expiration/Review Date:	06/30/2019
Termination Date:	Not Reported

STAR BUILDER SUPPLY, 961 GRAND AV, SAN MARCOS, CA, 920692601 (Continued)

WDR Review - Amend:	Not Reported
WDR Review - Revise/Renew:	Not Reported
WDR Review - Rescind:	Not Reported
WDR Review - No Action Required:	Not Reported
WDR Review - Pending:	Not Reported
WDR Review - Planned:	Not Reported
Status Enrollee:	N
Individual/General:	I
Fee Code:	62 - Treatment system to meet priority pollutant limit Category 1
Direction/Voice:	Passive
Enforcement Id(EID):	420913
Region:	9
Order / Resolution Number:	Not Reported
Enforcement Action Type:	Staff Enforcement Letter
Effective Date:	04/17/2018
Adoption/Issuance Date:	04/17/2018
Achieve Date:	Not Reported
Termination Date:	04/17/2018
ACL Issuance Date:	Not Reported
EPL Issuance Date:	Not Reported
Status:	Historical
Title:	SEL 04/17/2018 for San Marcos City
Description:	Not Reported
Program:	NPDNONMUNIPRCS
Latest Milestone Completion Date:	Not Reported
# Of Programs1:	1
Total Assessment Amount:	0
Initial Assessed Amount:	0
Liability $ Amount:	0
Project $ Amount:	0
Liability $ Paid:	0
Project $ Completed:	0
Total $ Paid/Completed Amount:	0

Name:	GW EXTRACTION, LAS POSAS REACH FLOOD PROTECTION CONST DEWAT, CITY OF SAN MARCOS
Address:	961 - 1025 GRAND AVENUE
City,State,Zip:	SAN MARCOS, CA 92069
Region:	9
Facility Id:	771530
Agency Name:	San Marcos City
Place Type:	Development
Place Subtype:	Development Site, NEC
Facility Type:	All other facilities
Agency Type:	City Agency
# Of Agencies:	1
Place Latitude:	33.14128

STAR BUILDER SUPPLY, 961 GRAND AV, SAN MARCOS, CA, 920692601 (Continued)

Place Longitude:	-117.18704
SIC Code 1:	Not Reported
SIC Desc 1:	Not Reported
SIC Code 2:	Not Reported
SIC Desc 2:	Not Reported
SIC Code 3:	Not Reported
SIC Desc 3:	Not Reported
NAICS Code 1:	Not Reported
NAICS Desc 1:	Not Reported
NAICS Code 2:	Not Reported
NAICS Desc 2:	Not Reported
NAICS Code 3:	Not Reported
NAICS Desc 3:	Not Reported
# Of Places:	1
Source Of Facility:	Reg Meas
Design Flow:	0.09999
Threat To Water Quality:	Not Reported
Complexity:	Not Reported
Pretreatment:	Not Reported
Facility Waste Type:	Not Reported
Facility Waste Type 2:	Not Reported
Facility Waste Type 3:	Not Reported
Facility Waste Type 4:	Not Reported
Program:	NPDNONMUNIPRCS
Program Category1:	NPDESWW
Program Category2:	NPDESWW
# Of Programs:	1
WDID:	9 000002343
Reg Measure Id:	405850
Reg Measure Type:	Enrollee - NPDES
Region:	9
Order #:	R9-2015-0013
Npdes# CA#:	CAG919003
Major-Minor:	Minor
Npdes Type:	Not Reported
Reclamation:	Not Reported
Dredge Fill Fee:	Not Reported
301H:	Not Reported
Application Fee Amt Received:	Not Reported
Status:	Active
Status Date:	07/06/2018
Effective Date:	06/24/2016
Expiration/Review Date:	06/30/2019
Termination Date:	Not Reported
WDR Review - Amend:	Not Reported
WDR Review - Revise/Renew:	Not Reported
WDR Review - Rescind:	Not Reported

STAR BUILDER SUPPLY, 961 GRAND AV, SAN MARCOS, CA, 920692601 (Continued)

WDR Review - No Action Required:	Not Reported
WDR Review - Pending:	Not Reported
WDR Review - Planned:	Not Reported
Status Enrollee:	N
Individual/General:	I
Fee Code:	62 - Treatment system to meet priority pollutant limit Category 1
Direction/Voice:	Passive
Enforcement Id(EID):	409784
Region:	9
Order / Resolution Number:	Not Reported
Enforcement Action Type:	Staff Enforcement Letter
Effective Date:	10/17/2016
Adoption/Issuance Date:	Not Reported
Achieve Date:	Not Reported
Termination Date:	10/17/2016
ACL Issuance Date:	Not Reported
EPL Issuance Date:	Not Reported
Status:	Historical
Title:	SEL for San Marcos City
Description:	Not Reported
Program:	NPDNONMUNIPRCS
Latest Milestone Completion Date:	Not Reported
# Of Programs1:	1
Total Assessment Amount:	0
Initial Assessed Amount:	0
Liability $ Amount:	0
Project $ Amount:	0
Liability $ Paid:	0
Project $ Completed:	0
Total $ Paid/Completed Amount:	0

NPDES: Other Ascertainable Records

Name:	GW EXTRACTION, LAS POSAS REACH FLOOD PROTECTION CONST DEWAT, CITY OF SAN MARCOS
Address:	961 - 1025 GRAND AVENUE
City,State,Zip:	SAN MARCOS, CA 92069
Facility Status:	Historical
NPDES Number:	Not Reported
Region:	9
Agency Number:	369584
Regulatory Measure ID:	405850
Place ID:	771530
Order Number:	Not Reported
WDID:	Not Reported
Regulatory Measure Type:	Enrollee - NPDES

STAR BUILDER SUPPLY, 961 GRAND AV, SAN MARCOS, CA, 920692601 (Continued)

Program Type:	NPDNONMUNIPRCS
Adoption Date Of Regulatory Measure:	Not Reported
Effective Date Of Regulatory Measure:	06/24/2016
Termination Date Of Regulatory Measure:	12/10/2020
Expiration Date Of Regulatory Measure:	06/30/2019
Discharge Address:	1 Civic Center Drive
Discharge Name:	San Marcos City
Discharge City:	San Marcos
Discharge State:	CA
Discharge Zip:	92069
Status:	Not Reported
Status Date:	Not Reported
Operator Name:	Not Reported
Operator Address:	Not Reported
Operator City:	Not Reported
Operator State:	Not Reported
Operator Zip:	Not Reported

CIWQS: Other Ascertainable Records

Name:	GW EXTRACTION, LAS POSAS REACH FLOOD PROTECTION CONST DEWAT, CITY OF SAN MARCOS
Address:	961 - 1025 GRAND AVENUE
City,State,Zip:	SAN MARCOS, CA 92069
Agency:	San Marcos City
Agency Address:	1 Civic Center Drive, San Marcos, CA 92069
Place/Project Type:	Development Site, NEC
SIC/NAICS:	Not Reported
Region:	9
Program:	NPDNONMUNIPRCS
Regulatory Measure Status:	Historical
Regulatory Measure Type:	Enrollee - NPDES
Order Number:	R9-2015-0013
WDID:	Not Reported
NPDES Number:	Not Reported
Adoption Date:	Not Reported
Effective Date:	06/24/2016
Termination Date:	12/10/2020
Expiration/Review Date:	06/30/2019
Design Flow:	0.09999
Major/Minor:	Minor
Complexity:	Not Reported
TTWQ:	Not Reported
Enforcement Actions within 5	2

STAR BUILDER SUPPLY, 961 GRAND AV, SAN MARCOS, CA, 920692601 (Continued)

years:	
Violations within 5 years:	4
Latitude:	33.14128
Longitude:	-117.18704

MAP FINDINGS

STAR BUILDER SUPPLY 961 GRAND AV, SAN MARCOS, CA, 920692601			1023374337
Map ID: A2	Distance: Target Property	Elevation: 544 ft. Above Sea Level	Other Ascertainable Records

Worksheet:

Impact on Target Property: VEC does not exist

Database Details:

FINDS: Other Ascertainable Records

Registry ID:	110066723567
Click Here for FRS Facility Detail Report:	https://ofmpub.epa.gov/frs_public2/fii_query_detail.disp_program_facility?p_registry_id=110066723567
Environmental Interest/Information System:	

STATE MASTER

The Click here to access additional FINDS: detail in the EDR Site Report. database contains http://www.edrnet.com/srf2/FinalSiteReport.aspx?ID=4Jf48yJ56fzj2xX8QByZy9mI57S6TG3w0z4ijB.2ksxmjXhc3VVQS3BbP5dhZE7y4t9gomszIld5IG7OYSUD9pxT4kGKe4VoJvpfqt27N8iFyC48.z5t96Vy3Gqz2gjUj2XUxxBXDb4kyQvkBbX7nLZ6Vyr34ZMmV5IoD4Vp7sPSaF4prJ8.flF3ee8WTywY20t5B26or9LlzVCjEy3nGxPdXNT7ktQnkBPbAP3ZhHysQ2XmmAQlig5i375wSgB4CeTu6GJs1xwwhg0xp4.X43Ii3auGABuI.VQ4UiJTGfWa3jZ8ElyV52rR5JY6xM36yzE0jKQ2jkxq3XnW4UXQTBB3e5n7Zo4y4756emwfIBo9tN7ohSzg6OlTACG4X5ZEwYg0wO56z45oi239JDB.i.vo2 additional records for this site. Please contact your EDR Account Executive for more information.

MAP FINDINGS

1X B R SLAY 961 GRAND AVENUE, SAN MARCOS, CA, 92069			S123705080
Map ID: A3	Distance: Target Property	Elevation: 544 ft. Above Sea Level	Other Ascertainable Records

Worksheet:

Impact on Target Property: VEC does not exist

Database Details:

HAZNET: Other Ascertainable Records

Name:	1X B R SLAY
Address:	961 GRAND AVENUE
Address 2:	Not Reported
City,State,Zip:	SAN MARCOS, CA 920690000
Contact:	B R SLAY
Telephone:	6197443240
Mailing Name:	Not Reported
Mailing Address:	--
Year:	1987
Gepaid:	CAC000052349
TSD EPA ID:	CAD095894556
CA Waste Code:	222 - Oil/water separation sludge
Disposal Method:	D99 - Disposal, Other
Tons:	0.417

HWTS: Other Ascertainable Records

Name:	1X B R SLAY
Address:	961 GRAND AVENUE
Address 2:	Not Reported
City,State,Zip:	SAN MARCOS, CA 92069
EPA ID:	CAC000052349
Inactive Date:	10/25/2000
Create Date:	12/08/1987
Last Act Date:	Not Reported
Mailing Name:	Not Reported
Mailing Address:	Not Reported
Mailing Address 2:	Not Reported
Mailing City,State,Zip:	SAN MARCOS, CA 920690000
Owner Name:	Not Reported
Owner Address:	Not Reported

1X B R SLAY, 961 GRAND AVENUE, SAN MARCOS, CA, 92069 (Continued)

Owner Address 2:	Not Reported
Owner City,State,Zip:	Not Reported
Contact Name:	B R SLAY
Contact Address:	Not Reported
Contact Address 2:	Not Reported
City,State,Zip:	Not Reported
Facility Status:	Inactive
Facility Type:	TEMPORARY
Category:	STATE
Latitude:	33.139879
Longitude:	-117.183074

MAP FINDINGS

GRAND AVE DRAINAGE RD IMPROVEMENT PROJECT CIP 88214 961 983 1003 1023 GRAND AVENUE, SAN MARCOS, CA, 92063			1025808709
Map ID: A4	Distance: Target Property	Elevation: 544 ft. Above Sea Level	Other Ascertainable Records

Worksheet:

Impact on Target Property: VEC does not exist

Comments: Chemicals of concern are not likely to be present at this source.

Database Details:

FINDS: Other Ascertainable Records

Registry ID:	110070091131
Click Here for FRS Facility Detail Report:	https://ofmpub.epa.gov/frs_public2/fii_query_detail.disp_program_facility?p_registry_id=110070091131
Environmental Interest/Information System:	

US National Pollutant Discharge Elimination System (NPDES) module of the Compliance Information System (ICIS) tracks surface water permits issued under the Clean Water Act. Under NPDES, all facilities that discharge pollutants from any point source into waters of the United States are required to obtain a permit. The permit will likely contain limits on what can be discharged, impose monitoring and reporting requirements, and include other provisions to ensure that the discharge does not adversely affect water quality.

The Click here to access additional FINDS: detail in the EDR Site Report. database contains http://www.edrnet.com/srf2/FinalSiteReport.aspx?ID=4Sg4urSpRgFB2DduXQrh69PtpC0Ryc37ZFosB2G2MVD3EdrI3FTXtUQVi5Hoh2A6L79iiPM6tuZ5upCZv0tF9UyyEVcHG4D9StUg7d26EuZjrxr8MEpOSRUl3yQFpNBmW2YWDr.dl.4RGXeJQi47BthK36aa4q3PzFtiT4lQChT0oV4JNS6xgJX3bwuAZrBf2b6p8mRgC9xlFflBY83xkDmpdzg7t3XYOQ24A2rhln6JL2YtPxctwK5uSCWu0u64LrycAcrz1mZ7SFZDq4W7oqvsk0u6a26JGkk4.0S80gls3dnuWqr3u2xbpbNRLq3kLFp3B2i2v2D0EdR34yDXbNQCT7JlhPd6C0AQ4PDCtRr2sbCwL0y8AxNy8GcqX9ER7DrZVq2Jfo0usNaBtI2eZGQR2 additional records for this site. Please contact your EDR Account Executive for more information.

MAP FINDINGS

STAR BUILDERS SUPPLY OF SAN MA 961 GRAND AVE, SAN MARCOS, CA, 92069			U001572229
Map ID: A5	Distance: Target Property	Elevation: 544 ft. Above Sea Level	Lists of state and tribal leaking storage tanks Local Lists of Registered Storage Tanks Other Ascertainable Records

Worksheet:

Impact on Target Property: VEC does not exist

Database Details:

LUST: Lists of state and tribal leaking storage tanks

Name:	STAR BUILDER SUPPLY
Address:	961 GRAND AV
City,State,Zip:	SAN MARCOS, CA 920692601
Lead Agency:	SAN DIEGO COUNTY LOP
Case Type:	LUST Cleanup Site
Geo Track:	http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0607303116
Global Id:	T0607303116
Latitude:	33.140096
Longitude:	-117.185687
Status:	Completed - Case Closed
Status Date:	06/20/1988
Case Worker:	Not Reported
RB Case Number:	9UT872
Local Agency:	Not Reported
File Location:	Local Agency
Local Case Number:	H03765-001
Potential Media Affect:	Soil
Potential Contaminants of Concern:	Gasoline
Site History:	Not Reported
LUST:	

Global Id:	T0607303116
Action Type:	Other
Date:	12/28/1987
Action:	Leak Began

Global Id:	T0607303116
Action Type:	Other
Date:	12/28/1987
Action:	Leak Reported

STAR BUILDERS SUPPLY OF SAN MA, 961 GRAND AVE, SAN MARCOS, CA, 92069 (Continued)

Global Id:	T0607303116
Action Type:	Other
Date:	12/28/1987
Action:	Leak Stopped

Global Id:	T0607303116
Action Type:	Other
Date:	12/28/1987
Action:	Leak Discovery

LUST:

Global Id:	T0607303116
Status:	Open - Case Begin Date
Status Date:	12/28/1987

Global Id:	T0607303116
Status:	Completed - Case Closed
Status Date:	06/20/1988

HIST UST: Local Lists of Registered Storage Tanks

Name:	STAR BUILDERS SUPPLY OF SAN MA
Address:	961 GRAND AVE
City,State,Zip:	SAN MARCOS, CA 92069
File Number:	Not Reported
URL:	Not Reported
Region:	STATE
Facility ID:	00000004457
Facility Type:	Other
Other Type:	BUILDING SUPPLY SALE
Contact Name:	B. R. SLAY
Telephone:	6197443240
Owner Name:	STAR BUILDERS SUPPLY OF SAN MA
Owner Address:	961 GRAND AVENUE
Owner City,St,Zip:	SAN MARCOS, CA 92069
Total Tanks:	0001

Tank Num:	001
Container Num:	1
Year Installed:	1970
Tank Capacity:	00001000
Tank Used for:	PRODUCT

STAR BUILDERS SUPPLY OF SAN MA, 961 GRAND AVE, SAN MARCOS, CA, 92069 (Continued)

Type of Fuel:	UNLEADED
Container Construction Thickness:	12
Leak Detection:	Stock Inventor

HIST CORTESE: Other Ascertainable Records

edr_fname:	STAR BUILDERS SUPPLY
edr_fadd1:	961 GRAND
City,State,Zip:	SAN MARCOS, CA 92069
Region:	CORTESE
Facility County Code:	37
Reg By:	LTNKA
Reg Id:	9UT872

SAN DIEGO CO LOP: Other Ascertainable Records

Name:	STAR BUILDER SUPPLY
Address:	961 GRAND AVE
City,State,Zip:	SAN MARCOS, CA 92069
Record ID:	DEH1987-LSAM-H03765-001
Record Status:	Completed
Opened Date:	12/28/1987
Parcel Number:	219-152-40-00
Case Type:	LOP - Local Oversight Program
Historical Name:	STAR BUILDER SUPPLY
SWRCB Global ID:	T0607303116
Funding:	F - LOP Federal Fund
Lead Agency:	DEH/SAM
Lead Agency Date:	01/05/1988
Census Tract:	200.29
Community:	San Marcos
Jurisdiction:	SAN MARCOS
Watershed Basin Number:	904.52
Water Purveyor:	VALLECITOS WATER DISTRICT
Fire Agency:	SAN MARCOS FIRE PROT DIST
Latitude:	33.1400311
Longitude:	-117.1857302
X MapCoord:	6275271.975
Y MapCoord:	1995902.570

CERS: Other Ascertainable Records

Name:	STAR BUILDER SUPPLY
Address:	961 GRAND AV
City,State,Zip:	SAN MARCOS, CA 920692601

STAR BUILDERS SUPPLY OF SAN MA, 961 GRAND AVE, SAN MARCOS, CA, 92069 (Continued)

Site ID:	237302
CERS ID:	T0607303116
CERS Description:	Leaking Underground Storage Tank Cleanup Site

ASTLEFORD CONSTRUCTION INC 1010 LINDA VISTA DR, SAN MARCOS, CA, 92078-2614			1000348223
Map ID: B6	Distance: SW <1/10 (0 ft. / 0 mi.)	Elevation: 3 ft. Lower Elevation 541 ft. Above Sea Level	Lists of Federal RCRA generators Lists of state and tribal leaking storage tanks Lists of state and tribal registered storage tanks Local Lists of Hazardous waste / Contaminated Sites Local Lists of Registered Storage Tanks Other Ascertainable Records

Worksheet:

Impact on Target Property: Undetermined

Comments: There are detectable concentrations of TPH-d are likely present based on the site closure report. However, the soil vapor risk is undetermined,

Conditions:
Petroleum Hydrocarbon Chemicals of Concern: YES

Groundwater Flow Gradient:
Upgradient or Indeterminate: YES
Topographically: YES

Database Details:

RCRA Listings: Lists of Federal RCRA generators

Date Form Received by Agency:	19960827
Handler Name:	ASTLEFORD CONSTRUCTION INC
Handler Address:	1010 LINDA VISTA DR
Handler City,State,Zip:	SAN MARCOS, CA 92069
EPA ID:	CAD982009011
Contact Name:	DAN HOLBROOK
Contact Address:	1010 LINDA VISTA DR
Contact City,State,Zip:	SAN MARCOS, CA 92069
Contact Telephone:	619-744-0630
Contact Fax:	Not Reported
Contact Email:	Not Reported
Contact Title:	Not Reported
EPA Region:	09
Land Type:	Private
Federal Waste Generator Description:	Small Quantity Generator
Non-Notifier:	Not Reported
Biennial Report Cycle:	Not Reported
Accessibility:	Not Reported
Active Site Indicator:	Handler Activities

ASTLEFORD CONSTRUCTION INC, 1010 LINDA VISTA DR, SAN MARCOS, CA, 92078-2614 (Continued)

State District Owner:	CA
State District:	4
Mailing Address:	1010 LINDA VISTA DR
Mailing City,State,Zip:	SAN MARCOS, CA 92069
Owner Name:	ASTLEFORD CONSTRUCTION INC
Owner Type:	Private
Operator Name:	NOT REQUIRED
Operator Type:	Private
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not Reported
Active Site Converter Treatment storage and Disposal Facility:	Not Reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not Reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not Reported
Hazardous Secondary Material Indicator:	NN
Sub-Part K Indicator:	Not Reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not Reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not Reported
Permit Workload Universe:	Not Reported
Permit Progress Universe:	Not Reported
Post-Closure Workload Universe:	Not Reported
Closure Workload Universe:	Not Reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action	No

ASTLEFORD CONSTRUCTION INC, 1010 LINDA VISTA DR, SAN MARCOS, CA, 92078-2614 (Continued)

Universe:	
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not Reported
Full Enforcement Universe:	Not Reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not Reported
Handler Date of Last Change:	20020627
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	Not Reported
Manifest Broker:	Not Reported
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name:	ASTLEFORD CONSTRUCTION INC
Legal Status:	Private
Date Became Current:	Not Reported
Date Ended Current:	Not Reported
Owner/Operator Address:	1010 LINDA VISTA DR
Owner/Operator City,State,Zip:	SAN MARCOS, CA 92069
Owner/Operator Telephone:	619-744-0630
Owner/Operator Telephone Ext:	Not Reported
Owner/Operator Fax:	Not Reported
Owner/Operator Email:	Not Reported

ASTLEFORD CONSTRUCTION INC, 1010 LINDA VISTA DR, SAN MARCOS, CA, 92078-2614 (Continued)

Owner/Operator Indicator:	Operator
Owner/Operator Name:	NOT REQUIRED
Legal Status:	Private
Date Became Current:	Not Reported
Date Ended Current:	Not Reported
Owner/Operator Address:	NOT REQUIRED
Owner/Operator City,State,Zip:	NOT REQUIRED, ME 99999
Owner/Operator Telephone:	415-555-1212
Owner/Operator Telephone Ext:	Not Reported
Owner/Operator Fax:	Not Reported
Owner/Operator Email:	Not Reported

Historic Generators:

Receive Date:	19960827
Handler Name:	ASTLEFORD CONSTRUCTION INC
Federal Waste Generator Description:	Small Quantity Generator
State District Owner:	CA
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	Not Reported
Electronic Manifest Broker:	Not Reported

List of NAICS Codes and Descriptions:

NAICS Codes: No NAICS Codes Found

Facility Has Received Notices of Violations:

Violations: No Violations Found

Evaluation Action Summary:

Evaluations: No Evaluations Found

LUST: Lists of state and tribal leaking storage tanks

ASTLEFORD CONSTRUCTION INC, 1010 LINDA VISTA DR, SAN MARCOS, CA, 92078-2614 (Continued)

Name:	GRAND CHANNEL BRIDGE PROJECT - CITY OF SAN MARCOS
Address:	1010 LINDA VISTA DRIVE
City,State,Zip:	SAN MARCOS, CA 92069
Lead Agency:	SAN DIEGO COUNTY LOP
Case Type:	LUST Cleanup Site
Geo Track:	http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T10000006374
Global Id:	T10000006374
Latitude:	33.1395750978303
Longitude:	-117.186718626984
Status:	Completed - Case Closed
Status Date:	05/09/2017
Case Worker:	EM
RB Case Number:	Not Reported
Local Agency:	SAN DIEGO COUNTY LOP
File Location:	Local Agency
Local Case Number:	DEH2014-LSAM-000278
Potential Media Affect:	Soil
Potential Contaminants of Concern:	Diesel
Site History:	This site is currently vacant land to be graded and developed by the city into a single span bridge on the northern portion of the site. This release was opened in 2014 due to elevated soil and groundwater samples with gasoline and diesel. Three phases of investigation were completed between October 2009 and April 2014. The elevated hydrocarbons in soil and groundwater were located in the area where five underground storage tanks and dispenser islands were removed in 1991. Five monitoring wells (MWs) were installed in October 2015. Three quarterly sampling events did not reveal any detectable levels of contaminants in groundwater. Figure 3 of the Second and Third Quarter Groundwater Monitoring Report shows the location of the five wells and groundwater flow direction. Figure 4 of that report shows historical concentrations of the MWs. It should be noted that the groundwater concentrations from B1-GW, B2-GW, B3-GW, B4-GW, B7-GW & B9-GW on Figure 4 are from soil boring grab groundwater samples taken in 2009 and are not considered to be representative groundwater concentrations at the site. The Second and Third Quarter 2016 Groundwater Monitoring Report dated November 11, 2016 included the evaluation and request for closure using the Low Threat Closure Policy (LTCP) closure because: Groundwater has not been impacted (soils-only case) based on the data from the five monitoring wells

ASTLEFORD CONSTRUCTION INC, 1010 LINDA VISTA DR, SAN MARCOS, CA, 92078-2614 (Continued)

indicating Non Detect (ND) in all sampling events. There are no health risks to current structures since the site is a vacant lot. Soil impacts are limited to diesel. The consultant states that approximately 130 cubic yards of soil remains on site with over 100 mg/kg TPH. This soil is located in northern portion of the site in the area of the four former 12,000 gallon diesel tanks from 2' -7' bgs per Figures 4 & 5 of the 2016 Site Assessment Report. DEH concurs with the consultants conclusions and approves case closure by low risk criteria. Permit #DEH2017-LMWP-002801 was issued by DEH for destruction of the 5 wells associated with the site.

LUST:

Global Id:	T10000006374
Contact Type:	Local Agency Caseworker
Contact Name:	EWAN MOFFAT
Organization Name:	SAN DIEGO COUNTY LOP
Address:	P.O. Box 129261
City:	San Diego
Email:	ewan.moffat@sdcounty.ca.gov
Phone Number:	Not Reported

LUST:

Global Id:	T10000006374
Action Type:	Other
Date:	04/16/1991
Action:	Leak Began

Global Id:	T10000006374
Action Type:	ENFORCEMENT
Date:	05/09/2017
Action:	Closure/No Further Action Letter

Global Id:	T10000006374
Action Type:	RESPONSE
Date:	04/07/2015
Action:	Soil and Water Investigation Workplan - Regulator Responded

Global Id:	T10000006374
Action Type:	RESPONSE
Date:	02/29/2016
Action:	Site Assessment Report - Regulator Responded

ASTLEFORD CONSTRUCTION INC, 1010 LINDA VISTA DR, SAN MARCOS, CA, 92078-2614 (Continued)

Global Id:	T10000006374
Action Type:	RESPONSE
Date:	11/11/2016
Action:	Monitoring Report - Semi-Annually

Global Id:	T10000006374
Action Type:	Other
Date:	04/30/2014
Action:	Leak Discovery

Global Id:	T10000006374
Action Type:	ENFORCEMENT
Date:	02/19/2015
Action:	Technical Correspondence / Assistance / Other

Global Id:	T10000006374
Action Type:	ENFORCEMENT
Date:	12/17/2014
Action:	Notice of Responsibility

Global Id:	T10000006374
Action Type:	Other
Date:	11/05/2014
Action:	Leak Reported

LUST:

Global Id:	T10000006374
Status:	Open - Case Begin Date
Status Date:	04/16/1991

Global Id:	T10000006374
Status:	Open - Site Assessment
Status Date:	12/12/2014

Global Id:	T10000006374
Status:	Completed - Case Closed
Status Date:	05/09/2017

AST: Lists of state and tribal registered storage tanks

ASTLEFORD CONSTRUCTION INC, 1010 LINDA VISTA DR, SAN MARCOS, CA, 92078-2614 (Continued)

Name:	ASTLEFORD CONSTRUCTION INC
Address:	1010 LINDA VISTA DR
City/Zip:	SAN MARCOS,
Certified Unified Program Agencies:	San Diego
Owner:	ASTLEFORD CONSTRUCTION INC
Total Gallons:	2400
CERSID:	Not Reported
Facility ID:	Not Reported
Business Name:	Not Reported
Phone:	Not Reported
Fax:	Not Reported
Mailing Address:	Not Reported
Mailing Address City:	Not Reported
Mailing Address State:	Not Reported
Mailing Address Zip Code:	Not Reported
Operator Name:	Not Reported
Operator Phone:	Not Reported
Owner Phone:	Not Reported
Owner Mail Address:	Not Reported
Owner State:	Not Reported
Owner Zip Code:	Not Reported
Owner Country:	Not Reported
Property Owner Name:	Not Reported
Property Owner Phone:	Not Reported
Property Owner Mailing Address:	Not Reported
Property Owner City:	Not Reported
Property Owner Stat :	Not Reported
Property Owner Zip Code:	Not Reported
Property Owner Country:	Not Reported
EPAID:	Not Reported

HMMD SAN DIEGO: Local Lists of Hazardous waste / Contaminated Sites

Name:	TNT BLANCHARD
Address:	1010 LINDA VISTA DR
City,State,Zip:	SAN MARCOS, CA 92078
Permit Number:	211950
Business Type:	6HK70
EPA Id Number:	CAL000221946
APN:	219-152-08-00
Last HMMD Inspection:	03/26/2010
Facility Telephone:	760-736-4054
Permit Status:	SUSP
Permit Expiration:	07/31/2012
Date Last Updated:	11/02/2012
Facility Owner:	BARRY BLANCHARD

ASTLEFORD CONSTRUCTION INC, 1010 LINDA VISTA DR, SAN MARCOS, CA, 92078-2614 (Continued)

Facility Mailing Address:	529 W 04TH AV #B
Facility Mailing City:	Escondido
Facility Mailing State:	CA
Facility Mailing Zip:	92025
UST Owner:	Not Reported
Handle Regulated Hazmat:	Y
Own Or Operate UST:	Not Reported
Subject To APSA:	Y
Generate Haz Waste:	Y
Treat Haz Waste:	Not Reported
Generate Medical Waste:	Not Reported

Inventory Active Permits (not SQG Medical):

Permit Number:	211950
Update Date:	11/02/2012
Case Number:	74-86-2
Name:	ACETYLENE COMPRESSED GAS
Other Information:	Not Reported
Material Waste:	Material
Hazardous Categories 1:	PRESSURE RELEASE
Hazardous Categories 2:	Not Reported

Permit Number:	211950
Update Date:	11/02/2012
Case Number:	68334-30-5
Name:	DIESEL FUEL
Other Information:	(2 X 1000 G + 2 X 450 G)
Material Waste:	Material
Hazardous Categories 1:	CHRONIC
Hazardous Categories 2:	Not Reported

Permit Number:	211950
Update Date:	11/02/2012
Case Number:	107-21-1
Name:	ETHYLENE GLYCOL
Other Information:	ANTIFREEZE
Material Waste:	Material
Hazardous Categories 1:	ACUTE
Hazardous Categories 2:	Not Reported

Permit Number:	211950
Update Date:	11/02/2012
Case Number:	8002-05-9
Name:	LUBRICATING OIL
Other Information:	(900 + 600 G TANKS)
Material Waste:	Material

ASTLEFORD CONSTRUCTION INC, 1010 LINDA VISTA DR, SAN MARCOS, CA, 92078-2614 (Continued)

Hazardous Categories 1:	CHRONIC
Hazardous Categories 2:	Not Reported

Permit Number:	211950
Update Date:	11/02/2012
Case Number:	7782-44-7
Name:	OXYGEN COMPRESSED GAS
Other Information:	Not Reported
Material Waste:	Material
Hazardous Categories 1:	PRESSURE RELEASE
Hazardous Categories 2:	Not Reported

Permit Number:	211950
Update Date:	11/02/2012
Case Number:	Not Reported
Name:	WASTE 135 UNSPECIFIED AQUEOUS SOL'N
Other Information:	ANTIFREEZE WASTE
Material Waste:	Waste
Hazardous Categories 1:	Not Reported
Hazardous Categories 2:	Not Reported

Permit Number:	211950
Update Date:	11/02/2012
Case Number:	Not Reported
Name:	WASTE 213 HYDROCARBON SOLVENTS
Other Information:	PARTS CLEANER
Material Waste:	Waste
Hazardous Categories 1:	Not Reported
Hazardous Categories 2:	Not Reported

Permit Number:	211950
Update Date:	11/02/2012
Case Number:	Not Reported
Name:	WASTE 221 WASTE OIL & MIXED OIL
Other Information:	USED OIL (2 TANKS)
Material Waste:	Waste
Hazardous Categories 1:	Not Reported
Hazardous Categories 2:	Not Reported

Permit Number:	211950
Update Date:	11/02/2012
Case Number:	Not Reported
Name:	WASTE 444 USED BATTERIES
Other Information:	WASTE BATTERIES
Material Waste:	Waste
Hazardous Categories 1:	Not Reported

ASTLEFORD CONSTRUCTION INC, 1010 LINDA VISTA DR, SAN MARCOS, CA, 92078-2614 (Continued)

Hazardous Categories 2:	Not Reported
Permit Number:	211950
Update Date:	11/02/2012
Case Number:	Not Reported
Name:	WASTE 888 USED OIL FILTERS
Other Information:	USED OIL FILTERS
Material Waste:	Waste
Hazardous Categories 1:	Not Reported
Hazardous Categories 2:	Not Reported

Violations Active Permits:

Permit Number:	211950
Update Date:	11/02/2012
Inspection Date:	03/26/2010
Violation Code:	6HV0131
Violation:	UPF Permit NOT OBTAINED for HAZWASTE
Violation Citation:	A Unified Program Facility permit has not been obtained for the generation of hazardous waste. 68.905
Activity:	SUSP
Permit Number:	211950
Update Date:	11/02/2012
Inspection Date:	03/26/2010
Violation Code:	6HV1001
Violation:	NO UPF PERMIT FOR HAZMATS
Violation Citation:	A Unified Program Facility permit has not been obtained for hazardous materials. 68.905
Activity:	SUSP
Permit Number:	211950
Update Date:	11/02/2012
Inspection Date:	03/26/2010
Violation Code:	6HV1002
Violation:	HMBP NOT ESTABISHED/IMPLEMENTED.
Violation Citation:	Hazardous materials handler has not established/implemented a business plan. HSC 25503.5(a)
Activity:	SUSP
Name:	TNT BLANCHARD
Address:	1010 LINDA VISTA DR
City,State,Zip:	SAN MARCOS, CA 92078
Permit Number:	211950
Business Type:	6HK70

ASTLEFORD CONSTRUCTION INC, 1010 LINDA VISTA DR, SAN MARCOS, CA, 92078-2614 (Continued)

EPA Id Number:	CAL000221946
APN:	219-152-08-00
Last HMMD Inspection:	03/26/2010
Facility Telephone:	760-736-4054
Permit Status:	SUSP
Permit Expiration:	07/31/2012
Date Last Updated:	11/02/2012
Facility Owner:	BARRY BLANCHARD
Facility Mailing Address:	529 W 04TH AV #B
Facility Mailing City:	Escondido
Facility Mailing State:	CA
Facility Mailing Zip:	92025
UST Owner:	Not Reported
Handle Regulated Hazmat:	Y
Own Or Operate UST:	Not Reported
Subject To APSA:	Not Reported
Generate Haz Waste:	Y
Treat Haz Waste:	Not Reported
Generate Medical Waste:	Not Reported
Inventory Active Permits (not SQG Medical):	

Permit Number:	211950
Update Date:	11/02/2012
Case Number:	74-86-2
Name:	ACETYLENE COMPRESSED GAS
Other Information:	Not Reported
Material Waste:	Material
Hazardous Categories 1:	PRESSURE RELEASE
Hazardous Categories 2:	Not Reported

Permit Number:	211950
Update Date:	11/02/2012
Case Number:	68334-30-5
Name:	DIESEL FUEL
Other Information:	(2 X 1000 G + 2 X 450 G)
Material Waste:	Material
Hazardous Categories 1:	CHRONIC
Hazardous Categories 2:	Not Reported

Permit Number:	211950
Update Date:	11/02/2012
Case Number:	107-21-1
Name:	ETHYLENE GLYCOL
Other Information:	ANTIFREEZE
Material Waste:	Material
Hazardous Categories 1:	ACUTE

ASTLEFORD CONSTRUCTION INC, 1010 LINDA VISTA DR, SAN MARCOS, CA, 92078-2614 (Continued)

Hazardous Categories 2:	Not Reported

Permit Number:	211950
Update Date:	11/02/2012
Case Number:	8002-05-9
Name:	LUBRICATING OIL
Other Information:	(900 + 600 G TANKS)
Material Waste:	Material
Hazardous Categories 1:	CHRONIC
Hazardous Categories 2:	Not Reported

Permit Number:	211950
Update Date:	11/02/2012
Case Number:	7782-44-7
Name:	OXYGEN COMPRESSED GAS
Other Information:	Not Reported
Material Waste:	Material
Hazardous Categories 1:	PRESSURE RELEASE
Hazardous Categories 2:	Not Reported

Permit Number:	211950
Update Date:	11/02/2012
Case Number:	Not Reported
Name:	WASTE 135 UNSPECIFIED AQUEOUS SOL'N
Other Information:	ANTIFREEZE WASTE
Material Waste:	Waste
Hazardous Categories 1:	Not Reported
Hazardous Categories 2:	Not Reported

Permit Number:	211950
Update Date:	11/02/2012
Case Number:	Not Reported
Name:	WASTE 213 HYDROCARBON SOLVENTS
Other Information:	PARTS CLEANER
Material Waste:	Waste
Hazardous Categories 1:	Not Reported
Hazardous Categories 2:	Not Reported

Permit Number:	211950
Update Date:	11/02/2012
Case Number:	Not Reported
Name:	WASTE 221 WASTE OIL & MIXED OIL
Other Information:	USED OIL (2 TANKS)
Material Waste:	Waste
Hazardous Categories 1:	Not Reported
Hazardous Categories 2:	Not Reported

ASTLEFORD CONSTRUCTION INC, 1010 LINDA VISTA DR, SAN MARCOS, CA, 92078-2614 (Continued)

Permit Number:	211950
Update Date:	11/02/2012
Case Number:	Not Reported
Name:	WASTE 444 USED BATTERIES
Other Information:	WASTE BATTERIES
Material Waste:	Waste
Hazardous Categories 1:	Not Reported
Hazardous Categories 2:	Not Reported

Permit Number:	211950
Update Date:	11/02/2012
Case Number:	Not Reported
Name:	WASTE 888 USED OIL FILTERS
Other Information:	USED OIL FILTERS
Material Waste:	Waste
Hazardous Categories 1:	Not Reported
Hazardous Categories 2:	Not Reported

Violations Active Permits:

Permit Number:	211950
Update Date:	11/02/2012
Inspection Date:	03/26/2010
Violation Code:	6HV0131
Violation:	UPF Permit NOT OBTAINED for HAZWASTE
Violation Citation:	A Unified Program Facility permit has not been obtained for the generation of hazardous waste. 68.905
Activity:	SUSP

Permit Number:	211950
Update Date:	11/02/2012
Inspection Date:	03/26/2010
Violation Code:	6HV1001
Violation:	NO UPF PERMIT FOR HAZMATS
Violation Citation:	A Unified Program Facility permit has not been obtained for hazardous materials. 68.905
Activity:	SUSP

Permit Number:	211950
Update Date:	11/02/2012
Inspection Date:	03/26/2010
Violation Code:	6HV1002
Violation:	HMBP NOT ESTABISHED/IMPLEMENTED.
Violation Citation:	Hazardous materials handler has not established/implemented a business plan. HSC 25503.5(a)

ASTLEFORD CONSTRUCTION INC, 1010 LINDA VISTA DR, SAN MARCOS, CA, 92078-2614 (Continued)

Activity:	SUSP

Name:	TNT BLANCHARD
Address:	1010 LINDA VISTA DR
City,State,Zip:	SAN MARCOS, CA 92078
Permit Number:	211950
Business Type:	6HK70
EPA Id Number:	CAL000221946
APN:	219-152-08-00
Last HMMD Inspection:	03/26/2010
Facility Telephone:	760-736-4054
Permit Status:	SUSP
Permit Expiration:	07/31/2012
Date Last Updated:	11/02/2012
Facility Owner:	BARRY BLANCHARD
Facility Mailing Address:	529 W 04TH AV #B
Facility Mailing City:	Escondido
Facility Mailing State:	CA
Facility Mailing Zip:	92025
UST Owner:	Not Reported
Handle Regulated Hazmat:	Y
Own Or Operate UST:	Not Reported
Subject To APSA:	Y
Generate Haz Waste:	Y
Treat Haz Waste:	Not Reported
Generate Medical Waste:	Not Reported

Inventory Active Permits (not SQG Medical):

Permit Number:	211950
Update Date:	11/02/2012
Case Number:	74-86-2
Name:	ACETYLENE COMPRESSED GAS
Other Information:	Not Reported
Material Waste:	Material
Hazardous Categories 1:	PRESSURE RELEASE
Hazardous Categories 2:	Not Reported

Permit Number:	211950
Update Date:	11/02/2012
Case Number:	68334-30-5
Name:	DIESEL FUEL
Other Information:	(2 X 1000 G + 2 X 450 G)
Material Waste:	Material
Hazardous Categories 1:	CHRONIC
Hazardous Categories 2:	Not Reported

ASTLEFORD CONSTRUCTION INC, 1010 LINDA VISTA DR, SAN MARCOS, CA, 92078-2614 (Continued)

Permit Number:	211950
Update Date:	11/02/2012
Case Number:	107-21-1
Name:	ETHYLENE GLYCOL
Other Information:	ANTIFREEZE
Material Waste:	Material
Hazardous Categories 1:	ACUTE
Hazardous Categories 2:	Not Reported

Permit Number:	211950
Update Date:	11/02/2012
Case Number:	8002-05-9
Name:	LUBRICATING OIL
Other Information:	(900 + 600 G TANKS)
Material Waste:	Material
Hazardous Categories 1:	CHRONIC
Hazardous Categories 2:	Not Reported

Permit Number:	211950
Update Date:	11/02/2012
Case Number:	7782-44-7
Name:	OXYGEN COMPRESSED GAS
Other Information:	Not Reported
Material Waste:	Material
Hazardous Categories 1:	PRESSURE RELEASE
Hazardous Categories 2:	Not Reported

Permit Number:	211950
Update Date:	11/02/2012
Case Number:	Not Reported
Name:	WASTE 135 UNSPECIFIED AQUEOUS SOL'N
Other Information:	ANTIFREEZE WASTE
Material Waste:	Waste
Hazardous Categories 1:	Not Reported
Hazardous Categories 2:	Not Reported

Permit Number:	211950
Update Date:	11/02/2012
Case Number:	Not Reported
Name:	WASTE 213 HYDROCARBON SOLVENTS
Other Information:	PARTS CLEANER
Material Waste:	Waste
Hazardous Categories 1:	Not Reported
Hazardous Categories 2:	Not Reported

ASTLEFORD CONSTRUCTION INC, 1010 LINDA VISTA DR, SAN MARCOS, CA, 92078-2614 (Continued)

Permit Number:	211950
Update Date:	11/02/2012
Case Number:	Not Reported
Name:	WASTE 221 WASTE OIL & MIXED OIL
Other Information:	USED OIL (2 TANKS)
Material Waste:	Waste
Hazardous Categories 1:	Not Reported
Hazardous Categories 2:	Not Reported

Permit Number:	211950
Update Date:	11/02/2012
Case Number:	Not Reported
Name:	WASTE 444 USED BATTERIES
Other Information:	WASTE BATTERIES
Material Waste:	Waste
Hazardous Categories 1:	Not Reported
Hazardous Categories 2:	Not Reported

Permit Number:	211950
Update Date:	11/02/2012
Case Number:	Not Reported
Name:	WASTE 888 USED OIL FILTERS
Other Information:	USED OIL FILTERS
Material Waste:	Waste
Hazardous Categories 1:	Not Reported
Hazardous Categories 2:	Not Reported

Violations Active Permits:

Permit Number:	211950
Update Date:	11/02/2012
Inspection Date:	03/26/2010
Violation Code:	6HV0131
Violation:	UPF Permit NOT OBTAINED for HAZWASTE
Violation Citation:	A Unified Program Facility permit has not been obtained for the generation of hazardous waste. 68.905
Activity:	SUSP

Permit Number:	211950
Update Date:	11/02/2012
Inspection Date:	03/26/2010
Violation Code:	6HV1001
Violation:	NO UPF PERMIT FOR HAZMATS
Violation Citation:	A Unified Program Facility permit has not been obtained for hazardous materials. 68.905

ASTLEFORD CONSTRUCTION INC, 1010 LINDA VISTA DR, SAN MARCOS, CA, 92078-2614 (Continued)

Activity:	SUSP
Permit Number:	211950
Update Date:	11/02/2012
Inspection Date:	03/26/2010
Violation Code:	6HV1002
Violation:	HMBP NOT ESTABISHED/IMPLEMENTED.
Violation Citation:	Hazardous materials handler has not established/implemented a business plan. HSC 25503.5(a)
Activity:	SUSP

Name:	TNT BLANCHARD
Address:	1010 LINDA VISTA DR
City,State,Zip:	SAN MARCOS, CA 92078
Permit Number:	211950
Business Type:	6HK70
EPA Id Number:	CAL000221946
APN:	219-152-08-00
Last HMMD Inspection:	03/26/2010
Facility Telephone:	760-736-4054
Permit Status:	SUSP
Permit Expiration:	07/31/2012
Date Last Updated:	11/02/2012
Facility Owner:	BARRY BLANCHARD
Facility Mailing Address:	529 W 04TH AV #B
Facility Mailing City:	Escondido
Facility Mailing State:	CA
Facility Mailing Zip:	92025
UST Owner:	Not Reported
Handle Regulated Hazmat:	Y
Own Or Operate UST:	Not Reported
Subject To APSA:	Not Reported
Generate Haz Waste:	Y
Treat Haz Waste:	Not Reported
Generate Medical Waste:	Not Reported

Inventory Active Permits (not SQG Medical):

Permit Number:	211950
Update Date:	11/02/2012
Case Number:	74-86-2
Name:	ACETYLENE COMPRESSED GAS
Other Information:	Not Reported
Material Waste:	Material
Hazardous Categories 1:	PRESSURE RELEASE
Hazardous Categories 2:	Not Reported

ASTLEFORD CONSTRUCTION INC, 1010 LINDA VISTA DR, SAN MARCOS, CA, 92078-2614 (Continued)

Permit Number:	211950
Update Date:	11/02/2012
Case Number:	68334-30-5
Name:	DIESEL FUEL
Other Information:	(2 X 1000 G + 2 X 450 G)
Material Waste:	Material
Hazardous Categories 1:	CHRONIC
Hazardous Categories 2:	Not Reported

Permit Number:	211950
Update Date:	11/02/2012
Case Number:	107-21-1
Name:	ETHYLENE GLYCOL
Other Information:	ANTIFREEZE
Material Waste:	Material
Hazardous Categories 1:	ACUTE
Hazardous Categories 2:	Not Reported

Permit Number:	211950
Update Date:	11/02/2012
Case Number:	8002-05-9
Name:	LUBRICATING OIL
Other Information:	(900 + 600 G TANKS)
Material Waste:	Material
Hazardous Categories 1:	CHRONIC
Hazardous Categories 2:	Not Reported

Permit Number:	211950
Update Date:	11/02/2012
Case Number:	7782-44-7
Name:	OXYGEN COMPRESSED GAS
Other Information:	Not Reported
Material Waste:	Material
Hazardous Categories 1:	PRESSURE RELEASE
Hazardous Categories 2:	Not Reported

Permit Number:	211950
Update Date:	11/02/2012
Case Number:	Not Reported
Name:	WASTE 135 UNSPECIFIED AQUEOUS SOL'N
Other Information:	ANTIFREEZE WASTE
Material Waste:	Waste
Hazardous Categories 1:	Not Reported
Hazardous Categories 2:	Not Reported

ASTLEFORD CONSTRUCTION INC, 1010 LINDA VISTA DR, SAN MARCOS, CA, 92078-2614 (Continued)

Permit Number:	211950
Update Date:	11/02/2012
Case Number:	Not Reported
Name:	WASTE 213 HYDROCARBON SOLVENTS
Other Information:	PARTS CLEANER
Material Waste:	Waste
Hazardous Categories 1:	Not Reported
Hazardous Categories 2:	Not Reported

Permit Number:	211950
Update Date:	11/02/2012
Case Number:	Not Reported
Name:	WASTE 221 WASTE OIL & MIXED OIL
Other Information:	USED OIL (2 TANKS)
Material Waste:	Waste
Hazardous Categories 1:	Not Reported
Hazardous Categories 2:	Not Reported

Permit Number:	211950
Update Date:	11/02/2012
Case Number:	Not Reported
Name:	WASTE 444 USED BATTERIES
Other Information:	WASTE BATTERIES
Material Waste:	Waste
Hazardous Categories 1:	Not Reported
Hazardous Categories 2:	Not Reported

Permit Number:	211950
Update Date:	11/02/2012
Case Number:	Not Reported
Name:	WASTE 888 USED OIL FILTERS
Other Information:	USED OIL FILTERS
Material Waste:	Waste
Hazardous Categories 1:	Not Reported
Hazardous Categories 2:	Not Reported

Violations Active Permits:

Permit Number:	211950
Update Date:	11/02/2012
Inspection Date:	03/26/2010
Violation Code:	6HV0131
Violation:	UPF Permit NOT OBTAINED for HAZWASTE
Violation Citation:	A Unified Program Facility permit has not been obtained for the generation of hazardous waste. 68.905

ASTLEFORD CONSTRUCTION INC, 1010 LINDA VISTA DR, SAN MARCOS, CA, 92078-2614 (Continued)

Activity:	SUSP
Permit Number:	211950
Update Date:	11/02/2012
Inspection Date:	03/26/2010
Violation Code:	6HV1001
Violation:	NO UPF PERMIT FOR HAZMATS
Violation Citation:	A Unified Program Facility permit has not been obtained for hazardous materials. 68.905
Activity:	SUSP
Permit Number:	211950
Update Date:	11/02/2012
Inspection Date:	03/26/2010
Violation Code:	6HV1002
Violation:	HMBP NOT ESTABISHED/IMPLEMENTED.
Violation Citation:	Hazardous materials handler has not established/implemented a business plan. HSC 25503.5(a)
Activity:	SUSP
Name:	TNT BLANCHARD
Address:	1010 LINDA VISTA DR
City,State,Zip:	SAN MARCOS, CA 92078
Permit Number:	211950
Business Type:	6HK70
EPA Id Number:	CAL000221946
APN:	219-152-08-00
Last HMMD Inspection:	03/26/2010
Facility Telephone:	760-736-4054
Permit Status:	SUSP
Permit Expiration:	07/31/2012
Date Last Updated:	11/02/2012
Facility Owner:	BARRY BLANCHARD
Facility Mailing Address:	529 W 04TH AV #B
Facility Mailing City:	Escondido
Facility Mailing State:	CA
Facility Mailing Zip:	92025
UST Owner:	Not Reported
Handle Regulated Hazmat:	Y
Own Or Operate UST:	Not Reported
Subject To APSA:	Y
Generate Haz Waste:	Y
Treat Haz Waste:	Not Reported
Generate Medical Waste:	Not Reported

Inventory Active Permits (not SQG Medical):

ASTLEFORD CONSTRUCTION INC, 1010 LINDA VISTA DR, SAN MARCOS, CA, 92078-2614 (Continued)

Permit Number:	211950
Update Date:	11/02/2012
Case Number:	74-86-2
Name:	ACETYLENE COMPRESSED GAS
Other Information:	Not Reported
Material Waste:	Material
Hazardous Categories 1:	PRESSURE RELEASE
Hazardous Categories 2:	Not Reported

Permit Number:	211950
Update Date:	11/02/2012
Case Number:	68334-30-5
Name:	DIESEL FUEL
Other Information:	(2 X 1000 G + 2 X 450 G)
Material Waste:	Material
Hazardous Categories 1:	CHRONIC
Hazardous Categories 2:	Not Reported

Permit Number:	211950
Update Date:	11/02/2012
Case Number:	107-21-1
Name:	ETHYLENE GLYCOL
Other Information:	ANTIFREEZE
Material Waste:	Material
Hazardous Categories 1:	ACUTE
Hazardous Categories 2:	Not Reported

Permit Number:	211950
Update Date:	11/02/2012
Case Number:	8002-05-9
Name:	LUBRICATING OIL
Other Information:	(900 + 600 G TANKS)
Material Waste:	Material
Hazardous Categories 1:	CHRONIC
Hazardous Categories 2:	Not Reported

Permit Number:	211950
Update Date:	11/02/2012
Case Number:	7782-44-7
Name:	OXYGEN COMPRESSED GAS
Other Information:	Not Reported
Material Waste:	Material
Hazardous Categories 1:	PRESSURE RELEASE
Hazardous Categories 2:	Not Reported

ASTLEFORD CONSTRUCTION INC, 1010 LINDA VISTA DR, SAN MARCOS, CA, 92078-2614 (Continued)

Permit Number:	211950
Update Date:	11/02/2012
Case Number:	Not Reported
Name:	WASTE 135 UNSPECIFIED AQUEOUS SOL'N
Other Information:	ANTIFREEZE WASTE
Material Waste:	Waste
Hazardous Categories 1:	Not Reported
Hazardous Categories 2:	Not Reported

Permit Number:	211950
Update Date:	11/02/2012
Case Number:	Not Reported
Name:	WASTE 213 HYDROCARBON SOLVENTS
Other Information:	PARTS CLEANER
Material Waste:	Waste
Hazardous Categories 1:	Not Reported
Hazardous Categories 2:	Not Reported

Permit Number:	211950
Update Date:	11/02/2012
Case Number:	Not Reported
Name:	WASTE 221 WASTE OIL & MIXED OIL
Other Information:	USED OIL (2 TANKS)
Material Waste:	Waste
Hazardous Categories 1:	Not Reported
Hazardous Categories 2:	Not Reported

Permit Number:	211950
Update Date:	11/02/2012
Case Number:	Not Reported
Name:	WASTE 444 USED BATTERIES
Other Information:	WASTE BATTERIES
Material Waste:	Waste
Hazardous Categories 1:	Not Reported
Hazardous Categories 2:	Not Reported

Permit Number:	211950
Update Date:	11/02/2012
Case Number:	Not Reported
Name:	WASTE 888 USED OIL FILTERS
Other Information:	USED OIL FILTERS
Material Waste:	Waste
Hazardous Categories 1:	Not Reported
Hazardous Categories 2:	Not Reported

ASTLEFORD CONSTRUCTION INC, 1010 LINDA VISTA DR, SAN MARCOS, CA, 92078-2614 (Continued)

Violations Active Permits:

Permit Number:	211950
Update Date:	11/02/2012
Inspection Date:	03/26/2010
Violation Code:	6HV0131
Violation:	UPF Permit NOT OBTAINED for HAZWASTE
Violation Citation:	A Unified Program Facility permit has not been obtained for the generation of hazardous waste. 68.905
Activity:	SUSP

Permit Number:	211950
Update Date:	11/02/2012
Inspection Date:	03/26/2010
Violation Code:	6HV1001
Violation:	NO UPF PERMIT FOR HAZMATS
Violation Citation:	A Unified Program Facility permit has not been obtained for hazardous materials. 68.905
Activity:	SUSP

Permit Number:	211950
Update Date:	11/02/2012
Inspection Date:	03/26/2010
Violation Code:	6HV1002
Violation:	HMBP NOT ESTABISHED/IMPLEMENTED.
Violation Citation:	Hazardous materials handler has not established/implemented a business plan. HSC 25503.5(a)
Activity:	SUSP

Name:	TNT BLANCHARD
Address:	1010 LINDA VISTA DR
City,State,Zip:	SAN MARCOS, CA 92078
Permit Number:	211950
Business Type:	6HK70
EPA Id Number:	CAL000221946
APN:	219-152-08-00
Last HMMD Inspection:	03/26/2010
Facility Telephone:	760-736-4054
Permit Status:	SUSP
Permit Expiration:	07/31/2012
Date Last Updated:	11/02/2012
Facility Owner:	BARRY BLANCHARD
Facility Mailing Address:	529 W 04TH AV #B
Facility Mailing City:	Escondido

ASTLEFORD CONSTRUCTION INC, 1010 LINDA VISTA DR, SAN MARCOS, CA, 92078-2614 (Continued)

Facility Mailing State:	CA
Facility Mailing Zip:	92025
UST Owner:	Not Reported
Handle Regulated Hazmat:	Y
Own Or Operate UST:	Not Reported
Subject To APSA:	Not Reported
Generate Haz Waste:	Y
Treat Haz Waste:	Not Reported
Generate Medical Waste:	Not Reported

Inventory Active Permits (not SQG Medical):

Permit Number:	211950
Update Date:	11/02/2012
Case Number:	74-86-2
Name:	ACETYLENE COMPRESSED GAS
Other Information:	Not Reported
Material Waste:	Material
Hazardous Categories 1:	PRESSURE RELEASE
Hazardous Categories 2:	Not Reported

Permit Number:	211950
Update Date:	11/02/2012
Case Number:	68334-30-5
Name:	DIESEL FUEL
Other Information:	(2 X 1000 G + 2 X 450 G)
Material Waste:	Material
Hazardous Categories 1:	CHRONIC
Hazardous Categories 2:	Not Reported

Permit Number:	211950
Update Date:	11/02/2012
Case Number:	107-21-1
Name:	ETHYLENE GLYCOL
Other Information:	ANTIFREEZE
Material Waste:	Material
Hazardous Categories 1:	ACUTE
Hazardous Categories 2:	Not Reported

Permit Number:	211950
Update Date:	11/02/2012
Case Number:	8002-05-9
Name:	LUBRICATING OIL
Other Information:	(900 + 600 G TANKS)
Material Waste:	Material
Hazardous Categories 1:	CHRONIC
Hazardous Categories 2:	Not Reported

ASTLEFORD CONSTRUCTION INC, 1010 LINDA VISTA DR, SAN MARCOS, CA, 92078-2614 (Continued)

Permit Number:	211950
Update Date:	11/02/2012
Case Number:	7782-44-7
Name:	OXYGEN COMPRESSED GAS
Other Information:	Not Reported
Material Waste:	Material
Hazardous Categories 1:	PRESSURE RELEASE
Hazardous Categories 2:	Not Reported

Permit Number:	211950
Update Date:	11/02/2012
Case Number:	Not Reported
Name:	WASTE 135 UNSPECIFIED AQUEOUS SOL'N
Other Information:	ANTIFREEZE WASTE
Material Waste:	Waste
Hazardous Categories 1:	Not Reported
Hazardous Categories 2:	Not Reported

Permit Number:	211950
Update Date:	11/02/2012
Case Number:	Not Reported
Name:	WASTE 213 HYDROCARBON SOLVENTS
Other Information:	PARTS CLEANER
Material Waste:	Waste
Hazardous Categories 1:	Not Reported
Hazardous Categories 2:	Not Reported

Permit Number:	211950
Update Date:	11/02/2012
Case Number:	Not Reported
Name:	WASTE 221 WASTE OIL & MIXED OIL
Other Information:	USED OIL (2 TANKS)
Material Waste:	Waste
Hazardous Categories 1:	Not Reported
Hazardous Categories 2:	Not Reported

Permit Number:	211950
Update Date:	11/02/2012
Case Number:	Not Reported
Name:	WASTE 444 USED BATTERIES
Other Information:	WASTE BATTERIES
Material Waste:	Waste
Hazardous Categories 1:	Not Reported
Hazardous Categories 2:	Not Reported

ASTLEFORD CONSTRUCTION INC, 1010 LINDA VISTA DR, SAN MARCOS, CA, 92078-2614 (Continued)

Permit Number:	211950
Update Date:	11/02/2012
Case Number:	Not Reported
Name:	WASTE 888 USED OIL FILTERS
Other Information:	USED OIL FILTERS
Material Waste:	Waste
Hazardous Categories 1:	Not Reported
Hazardous Categories 2:	Not Reported

Violations Active Permits:

Permit Number:	211950
Update Date:	11/02/2012
Inspection Date:	03/26/2010
Violation Code:	6HV0131
Violation:	UPF Permit NOT OBTAINED for HAZWASTE
Violation Citation:	A Unified Program Facility permit has not been obtained for the generation of hazardous waste. 68.905
Activity:	SUSP

Permit Number:	211950
Update Date:	11/02/2012
Inspection Date:	03/26/2010
Violation Code:	6HV1001
Violation:	NO UPF PERMIT FOR HAZMATS
Violation Citation:	A Unified Program Facility permit has not been obtained for hazardous materials. 68.905
Activity:	SUSP

Permit Number:	211950
Update Date:	11/02/2012
Inspection Date:	03/26/2010
Violation Code:	6HV1002
Violation:	HMBP NOT ESTABISHED/IMPLEMENTED.
Violation Citation:	Hazardous materials handler has not established/implemented a business plan. HSC 25503.5(a)
Activity:	SUSP

Name:	KIRCHNAVY CONSTRUCTION
Address:	1010 LINDA VISTA DR
City,State,Zip:	SAN MARCOS, CA 92069
Permit Number:	106400
Business Type:	6HK70
EPA Id Number:	Not Reported

ASTLEFORD CONSTRUCTION INC, 1010 LINDA VISTA DR, SAN MARCOS, CA, 92078-2614 (Continued)

APN:	219-152-08-00
Last HMMD Inspection:	08/05/1991
Facility Telephone:	619-744-0216
Permit Status:	INAC
Permit Expiration:	08/05/1991
Date Last Updated:	11/02/2012
Facility Owner:	WM KIRCHNAVY
Facility Mailing Address:	1010 LINDA VISTA DR
Facility Mailing City:	SAN MARCOS
Facility Mailing State:	CA
Facility Mailing Zip:	92069-2614
UST Owner:	Not Reported
Handle Regulated Hazmat:	Not Reported
Own Or Operate UST:	Not Reported
Subject To APSA:	Not Reported
Generate Haz Waste:	Y
Treat Haz Waste:	Not Reported
Generate Medical Waste:	Not Reported

Name:	ASTLEFORD CONSTRUCTION INC
Address:	1010 LINDA VISTA DR
City,State,Zip:	SAN MARCOS, CA 92078
Permit Number:	103728
Business Type:	6HK70
EPA Id Number:	CAD982009011
APN:	219-152-08-00
Last HMMD Inspection:	05/31/2007
Facility Telephone:	760-744-0630
Permit Status:	INAC
Permit Expiration:	04/30/2009
Date Last Updated:	11/02/2012
Facility Owner:	ASTLEFORD CONSTRUCTION INC
Facility Mailing Address:	1010 LINDA VISTA DR
Facility Mailing City:	SAN MARCOS
Facility Mailing State:	CA
Facility Mailing Zip:	92078
UST Owner:	TEMPLETON GRADING & EXCAVATING
Handle Regulated Hazmat:	Y
Own Or Operate UST:	Not Reported
Subject To APSA:	Not Reported
Generate Haz Waste:	Y
Treat Haz Waste:	Not Reported
Generate Medical Waste:	Not Reported
UST:	

UST Name:	UNDERGROUND TANK 103728 T001
Last Update:	2012-11-02 14:17:38

ASTLEFORD CONSTRUCTION INC, 1010 LINDA VISTA DR, SAN MARCOS, CA, 92078-2614 (Continued)

Permit Number:	103728
Tank Type:	SINGLE WALL
Additional Id:	1
Capacity Gallons:	12000
UST Contents:	DIESEL
Other Content Info:	DIESEL
Reg Status:	REMOVED
Remove Close Date:	1991-04-16 00:00:00
Year Installed:	1982-01-01 00:00:00
Pipe Type:	SINGLE WALL
Delivery System:	PRESSURE
Monitor Code:	07
UST Monitor Method:	SW TANK SW PRESSURE PIPE W/RESTRICTIVE LLD W/DAILY RECONCILIATION OR WEEKLY GAUGING: TANK AND PIPE TEST ANNUALLY

UST Name:	UNDERGROUND TANK 103728 T002
Last Update:	2012-11-02 14:17:38
Permit Number:	103728
Tank Type:	SINGLE WALL
Additional Id:	2
Capacity Gallons:	12000
UST Contents:	DIESEL
Other Content Info:	DIESEL
Reg Status:	REMOVED
Remove Close Date:	1991-04-16 00:00:00
Year Installed:	1982-01-01 00:00:00
Pipe Type:	SINGLE WALL
Delivery System:	PRESSURE
Monitor Code:	07
UST Monitor Method:	SW TANK SW PRESSURE PIPE W/RESTRICTIVE LLD W/DAILY RECONCILIATION OR WEEKLY GAUGING: TANK AND PIPE TEST ANNUALLY

UST Name:	UNDERGROUND TANK 103728 T003
Last Update:	2012-11-02 14:17:38
Permit Number:	103728
Tank Type:	SINGLE WALL
Additional Id:	3
Capacity Gallons:	12000
UST Contents:	DIESEL
Other Content Info:	DIESEL
Reg Status:	REMOVED
Remove Close Date:	1991-04-16 00:00:00
Year Installed:	1982-01-01 00:00:00
Pipe Type:	SINGLE WALL
Delivery System:	PRESSURE
Monitor Code:	07
UST Monitor Method:	SW TANK SW PRESSURE PIPE W/RESTRICTIVE LLD W/DAILY RECONCILIATION OR WEEKLY GAUGING: TANK AND PIPE TEST ANNUALLY

ASTLEFORD CONSTRUCTION INC, 1010 LINDA VISTA DR, SAN MARCOS, CA, 92078-2614 (Continued)

UST Name:	UNDERGROUND TANK 103728 T004
Last Update:	2012-11-02 14:17:38
Permit Number:	103728
Tank Type:	SINGLE WALL
Additional Id:	4
Capacity Gallons:	12000
UST Contents:	DIESEL
Other Content Info:	DIESEL
Reg Status:	REMOVED
Remove Close Date:	1991-04-16 00:00:00
Year Installed:	1982-01-01 00:00:00
Pipe Type:	SINGLE WALL
Delivery System:	PRESSURE
Monitor Code:	07
UST Monitor Method:	SW TANK SW PRESSURE PIPE W/RESTRICTIVE LLD W/DAILY RECONCILIATION OR WEEKLY GAUGING: TANK AND PIPE TEST ANNUALLY

UST Name:	UNDERGROUND TANK 103728 T005
Last Update:	2012-11-02 14:17:38
Permit Number:	103728
Tank Type:	SINGLE WALL
Additional Id:	5
Capacity Gallons:	550
UST Contents:	Not Reported
Other Content Info:	WASTE OIL
Reg Status:	REMOVED
Remove Close Date:	1991-04-16 00:00:00
Year Installed:	Not Reported
Pipe Type:	Not Reported
Delivery System:	Not Reported
Monitor Code:	07
UST Monitor Method:	SW TANK SW PRESSURE PIPE W/RESTRICTIVE LLD W/DAILY RECONCILIATION OR WEEKLY GAUGING: TANK AND PIPE TEST ANNUALLY

Name:	TNT BLANCHARD
Address:	1010 LINDA VISTA DR
City,State,Zip:	SAN MARCOS, CA 92078
Permit Number:	211950
Business Type:	6HK70
EPA Id Number:	CAL000221946
APN:	219-152-08-00
Last HMMD Inspection:	03/26/2010
Facility Telephone:	760-736-4054
Permit Status:	SUSP
Permit Expiration:	07/31/2012

ASTLEFORD CONSTRUCTION INC, 1010 LINDA VISTA DR, SAN MARCOS, CA, 92078-2614 (Continued)

Date Last Updated:	11/02/2012
Facility Owner:	BARRY BLANCHARD
Facility Mailing Address:	529 W 04TH AV #B
Facility Mailing City:	Escondido
Facility Mailing State:	CA
Facility Mailing Zip:	92025
UST Owner:	Not Reported
Handle Regulated Hazmat:	Y
Own Or Operate UST:	Not Reported
Subject To APSA:	Y
Generate Haz Waste:	Y
Treat Haz Waste:	Not Reported
Generate Medical Waste:	Not Reported

Inventory Active Permits (not SQG Medical):

Permit Number:	211950
Update Date:	11/02/2012
Case Number:	74-86-2
Name:	ACETYLENE COMPRESSED GAS
Other Information:	Not Reported
Material Waste:	Material
Hazardous Categories 1:	PRESSURE RELEASE
Hazardous Categories 2:	Not Reported

Permit Number:	211950
Update Date:	11/02/2012
Case Number:	68334-30-5
Name:	DIESEL FUEL
Other Information:	(2 X 1000 G + 2 X 450 G)
Material Waste:	Material
Hazardous Categories 1:	CHRONIC
Hazardous Categories 2:	Not Reported

Permit Number:	211950
Update Date:	11/02/2012
Case Number:	107-21-1
Name:	ETHYLENE GLYCOL
Other Information:	ANTIFREEZE
Material Waste:	Material
Hazardous Categories 1:	ACUTE
Hazardous Categories 2:	Not Reported

Permit Number:	211950
Update Date:	11/02/2012
Case Number:	8002-05-9
Name:	LUBRICATING OIL

ASTLEFORD CONSTRUCTION INC, 1010 LINDA VISTA DR, SAN MARCOS, CA, 92078-2614 (Continued)

Other Information:	(900 + 600 G TANKS)
Material Waste:	Material
Hazardous Categories 1:	CHRONIC
Hazardous Categories 2:	Not Reported

Permit Number:	211950
Update Date:	11/02/2012
Case Number:	7782-44-7
Name:	OXYGEN COMPRESSED GAS
Other Information:	Not Reported
Material Waste:	Material
Hazardous Categories 1:	PRESSURE RELEASE
Hazardous Categories 2:	Not Reported

Permit Number:	211950
Update Date:	11/02/2012
Case Number:	Not Reported
Name:	WASTE 135 UNSPECIFIED AQUEOUS SOL'N
Other Information:	ANTIFREEZE WASTE
Material Waste:	Waste
Hazardous Categories 1:	Not Reported
Hazardous Categories 2:	Not Reported

Permit Number:	211950
Update Date:	11/02/2012
Case Number:	Not Reported
Name:	WASTE 213 HYDROCARBON SOLVENTS
Other Information:	PARTS CLEANER
Material Waste:	Waste
Hazardous Categories 1:	Not Reported
Hazardous Categories 2:	Not Reported

Permit Number:	211950
Update Date:	11/02/2012
Case Number:	Not Reported
Name:	WASTE 221 WASTE OIL & MIXED OIL
Other Information:	USED OIL (2 TANKS)
Material Waste:	Waste
Hazardous Categories 1:	Not Reported
Hazardous Categories 2:	Not Reported

Permit Number:	211950
Update Date:	11/02/2012
Case Number:	Not Reported
Name:	WASTE 444 USED BATTERIES
Other Information:	WASTE BATTERIES

ASTLEFORD CONSTRUCTION INC, 1010 LINDA VISTA DR, SAN MARCOS, CA, 92078-2614 (Continued)

Material Waste:	Waste
Hazardous Categories 1:	Not Reported
Hazardous Categories 2:	Not Reported

Permit Number:	211950
Update Date:	11/02/2012
Case Number:	Not Reported
Name:	WASTE 888 USED OIL FILTERS
Other Information:	USED OIL FILTERS
Material Waste:	Waste
Hazardous Categories 1:	Not Reported
Hazardous Categories 2:	Not Reported

Violations Active Permits:

Permit Number:	211950
Update Date:	11/02/2012
Inspection Date:	03/26/2010
Violation Code:	6HV0131
Violation:	UPF Permit NOT OBTAINED for HAZWASTE
Violation Citation:	A Unified Program Facility permit has not been obtained for the generation of hazardous waste. 68.905
Activity:	SUSP

Permit Number:	211950
Update Date:	11/02/2012
Inspection Date:	03/26/2010
Violation Code:	6HV1001
Violation:	NO UPF PERMIT FOR HAZMATS
Violation Citation:	A Unified Program Facility permit has not been obtained for hazardous materials. 68.905
Activity:	SUSP

Permit Number:	211950
Update Date:	11/02/2012
Inspection Date:	03/26/2010
Violation Code:	6HV1002
Violation:	HMBP NOT ESTABISHED/IMPLEMENTED.
Violation Citation:	Hazardous materials handler has not established/implemented a business plan. HSC 25503.5(a)
Activity:	SUSP

Name:	TNT BLANCHARD
Address:	1010 LINDA VISTA DR
City,State,Zip:	SAN MARCOS, CA 92078

ASTLEFORD CONSTRUCTION INC, 1010 LINDA VISTA DR, SAN MARCOS, CA, 92078-2614 (Continued)

Permit Number:	211950
Business Type:	6HK70
EPA Id Number:	CAL000221946
APN:	219-152-08-00
Last HMMD Inspection:	03/26/2010
Facility Telephone:	760-736-4054
Permit Status:	SUSP
Permit Expiration:	07/31/2012
Date Last Updated:	11/02/2012
Facility Owner:	BARRY BLANCHARD
Facility Mailing Address:	529 W 04TH AV #B
Facility Mailing City:	Escondido
Facility Mailing State:	CA
Facility Mailing Zip:	92025
UST Owner:	Not Reported
Handle Regulated Hazmat:	Y
Own Or Operate UST:	Not Reported
Subject To APSA:	Not Reported
Generate Haz Waste:	Y
Treat Haz Waste:	Not Reported
Generate Medical Waste:	Not Reported

Inventory Active Permits (not SQG Medical):

Permit Number:	211950
Update Date:	11/02/2012
Case Number:	74-86-2
Name:	ACETYLENE COMPRESSED GAS
Other Information:	Not Reported
Material Waste:	Material
Hazardous Categories 1:	PRESSURE RELEASE
Hazardous Categories 2:	Not Reported

Permit Number:	211950
Update Date:	11/02/2012
Case Number:	68334-30-5
Name:	DIESEL FUEL
Other Information:	(2 X 1000 G + 2 X 450 G)
Material Waste:	Material
Hazardous Categories 1:	CHRONIC
Hazardous Categories 2:	Not Reported

Permit Number:	211950
Update Date:	11/02/2012
Case Number:	107-21-1
Name:	ETHYLENE GLYCOL
Other Information:	ANTIFREEZE

ASTLEFORD CONSTRUCTION INC, 1010 LINDA VISTA DR, SAN MARCOS, CA, 92078-2614 (Continued)

Material Waste:	Material
Hazardous Categories 1:	ACUTE
Hazardous Categories 2:	Not Reported

Permit Number:	211950
Update Date:	11/02/2012
Case Number:	8002-05-9
Name:	LUBRICATING OIL
Other Information:	(900 + 600 G TANKS)
Material Waste:	Material
Hazardous Categories 1:	CHRONIC
Hazardous Categories 2:	Not Reported

Permit Number:	211950
Update Date:	11/02/2012
Case Number:	7782-44-7
Name:	OXYGEN COMPRESSED GAS
Other Information:	Not Reported
Material Waste:	Material
Hazardous Categories 1:	PRESSURE RELEASE
Hazardous Categories 2:	Not Reported

Permit Number:	211950
Update Date:	11/02/2012
Case Number:	Not Reported
Name:	WASTE 135 UNSPECIFIED AQUEOUS SOL'N
Other Information:	ANTIFREEZE WASTE
Material Waste:	Waste
Hazardous Categories 1:	Not Reported
Hazardous Categories 2:	Not Reported

Permit Number:	211950
Update Date:	11/02/2012
Case Number:	Not Reported
Name:	WASTE 213 HYDROCARBON SOLVENTS
Other Information:	PARTS CLEANER
Material Waste:	Waste
Hazardous Categories 1:	Not Reported
Hazardous Categories 2:	Not Reported

Permit Number:	211950
Update Date:	11/02/2012
Case Number:	Not Reported
Name:	WASTE 221 WASTE OIL & MIXED OIL
Other Information:	USED OIL (2 TANKS)
Material Waste:	Waste

ASTLEFORD CONSTRUCTION INC, 1010 LINDA VISTA DR, SAN MARCOS, CA, 92078-2614 (Continued)

Hazardous Categories 1:	Not Reported
Hazardous Categories 2:	Not Reported

Permit Number:	211950
Update Date:	11/02/2012
Case Number:	Not Reported
Name:	WASTE 444 USED BATTERIES
Other Information:	WASTE BATTERIES
Material Waste:	Waste
Hazardous Categories 1:	Not Reported
Hazardous Categories 2:	Not Reported

Permit Number:	211950
Update Date:	11/02/2012
Case Number:	Not Reported
Name:	WASTE 888 USED OIL FILTERS
Other Information:	USED OIL FILTERS
Material Waste:	Waste
Hazardous Categories 1:	Not Reported
Hazardous Categories 2:	Not Reported

Violations Active Permits:

Permit Number:	211950
Update Date:	11/02/2012
Inspection Date:	03/26/2010
Violation Code:	6HV0131
Violation:	UPF Permit NOT OBTAINED for HAZWASTE
Violation Citation:	A Unified Program Facility permit has not been obtained for the generation of hazardous waste. 68.905
Activity:	SUSP

Permit Number:	211950
Update Date:	11/02/2012
Inspection Date:	03/26/2010
Violation Code:	6HV1001
Violation:	NO UPF PERMIT FOR HAZMATS
Violation Citation:	A Unified Program Facility permit has not been obtained for hazardous materials. 68.905
Activity:	SUSP

Permit Number:	211950
Update Date:	11/02/2012
Inspection Date:	03/26/2010
Violation Code:	6HV1002
Violation:	HMBP NOT ESTABISHED/IMPLEMENTED.

ASTLEFORD CONSTRUCTION INC, 1010 LINDA VISTA DR, SAN MARCOS, CA, 92078-2614 (Continued)

Violation Citation:	Hazardous materials handler has not established/implemented a business plan. HSC 25503.5(a)
Activity:	SUSP

SWEEPS UST: Local Lists of Registered Storage Tanks

Name:	ASTLEFORD CONTRUCTION INC
Address:	1010 LINDA VISTA DR
City:	SAN MARCOS
Status:	Not Reported
Comp Number:	3728
Number:	Not Reported
Board Of Equalization:	44-021943
Referral Date:	Not Reported
Action Date:	Not Reported
Created Date:	Not Reported
Owner Tank Id:	Not Reported
SWRCB Tank Id:	37-000-003728-000001
Tank Status:	Not Reported
Capacity:	12000
Active Date:	Not Reported
Tank Use:	M.V. FUEL
STG:	PRODUCT
Content:	OTHER
Number Of Tanks:	5

Name:	ASTLEFORD CONTRUCTION INC
Address:	1010 LINDA VISTA DR
City:	SAN MARCOS
Status:	Not Reported
Comp Number:	3728
Number:	Not Reported
Board Of Equalization:	44-021943
Referral Date:	Not Reported
Action Date:	Not Reported
Created Date:	Not Reported
Owner Tank Id:	Not Reported
SWRCB Tank Id:	37-000-003728-000002
Tank Status:	Not Reported
Capacity:	12000
Active Date:	Not Reported
Tank Use:	M.V. FUEL
STG:	PRODUCT
Content:	OTHER
Number Of Tanks:	Not Reported

ASTLEFORD CONSTRUCTION INC, 1010 LINDA VISTA DR, SAN MARCOS, CA, 92078-2614 (Continued)

Name:	ASTLEFORD CONTRUCTION INC
Address:	1010 LINDA VISTA DR
City:	SAN MARCOS
Status:	Not Reported
Comp Number:	3728
Number:	Not Reported
Board Of Equalization:	44-021943
Referral Date:	Not Reported
Action Date:	Not Reported
Created Date:	Not Reported
Owner Tank Id:	Not Reported
SWRCB Tank Id:	37-000-003728-000003
Tank Status:	Not Reported
Capacity:	12000
Active Date:	Not Reported
Tank Use:	M.V. FUEL
STG:	PRODUCT
Content:	OTHER
Number Of Tanks:	Not Reported

Name:	ASTLEFORD CONTRUCTION INC
Address:	1010 LINDA VISTA DR
City:	SAN MARCOS
Status:	Not Reported
Comp Number:	3728
Number:	Not Reported
Board Of Equalization:	44-021943
Referral Date:	Not Reported
Action Date:	Not Reported
Created Date:	Not Reported
Owner Tank Id:	Not Reported
SWRCB Tank Id:	37-000-003728-000004
Tank Status:	Not Reported
Capacity:	12000
Active Date:	Not Reported
Tank Use:	M.V. FUEL
STG:	PRODUCT
Content:	OTHER
Number Of Tanks:	Not Reported

Name:	ASTLEFORD CONTRUCTION INC
Address:	1010 LINDA VISTA DR
City:	SAN MARCOS
Status:	Not Reported
Comp Number:	3728

ASTLEFORD CONSTRUCTION INC, 1010 LINDA VISTA DR, SAN MARCOS, CA, 92078-2614 (Continued)

Number:	Not Reported
Board Of Equalization:	44-021943
Referral Date:	Not Reported
Action Date:	Not Reported
Created Date:	Not Reported
Owner Tank Id:	Not Reported
SWRCB Tank Id:	37-000-003728-000005
Tank Status:	Not Reported
Capacity:	550
Active Date:	Not Reported
Tank Use:	PETROLEUM
STG:	WASTE
Content:	Not Reported
Number Of Tanks:	Not Reported

Name:	ASTLEFORD CONTRUCTION INC
Address:	1010 LINDA VISTA DR
City:	SAN MARCOS
Status:	Active
Comp Number:	3728
Number:	9
Board Of Equalization:	44-021943
Referral Date:	Not Reported
Action Date:	06-26-92
Created Date:	02-29-88
Owner Tank Id:	Not Reported
SWRCB Tank Id:	Not Reported
Tank Status:	Not Reported
Capacity:	Not Reported
Active Date:	Not Reported
Tank Use:	Not Reported
STG:	Not Reported
Content:	Not Reported
Number Of Tanks:	Not Reported

HIST UST: Local Lists of Registered Storage Tanks

Name:	TEMPLETON GRADING AND EXCAVATING
Address:	1010 LINDA VISTA DR
City,State,Zip:	SAN MARCOS, CA 92069
File Number:	0002E3F6
URL:	http://geotracker.waterboards.ca.gov/ustpdfs/pdf/0002E3F6.pdf
Region:	STATE
Facility ID:	00000051756
Facility Type:	Other
Other Type:	GRADING & EXCAVATING

ASTLEFORD CONSTRUCTION INC, 1010 LINDA VISTA DR, SAN MARCOS, CA, 92078-2614 (Continued)

Contact Name:	DAN HOLBROOK
Telephone:	6197440630
Owner Name:	TEMPLETON GRADING & EXCAVATING
Owner Address:	1010 LINDA VISTA DR.
Owner City,St,Zip:	SAN MARCOS, CA 92069
Total Tanks:	0004

Tank Num:	001
Container Num:	1
Year Installed:	1982
Tank Capacity:	00012000
Tank Used for:	PRODUCT
Type of Fuel:	DIESEL
Container Construction Thickness:	3/16
Leak Detection:	Pressure Test

Tank Num:	001
Container Num:	1
Year Installed:	1982
Tank Capacity:	00012000
Tank Used for:	PRODUCT
Type of Fuel:	DIESEL
Container Construction Thickness:	3/16
Leak Detection:	Pressure Test

Tank Num:	002
Container Num:	2
Year Installed:	1982
Tank Capacity:	00012000
Tank Used for:	PRODUCT
Type of Fuel:	DIESEL
Container Construction Thickness:	3/16
Leak Detection:	Pressure Test

Tank Num:	002
Container Num:	2
Year Installed:	1982
Tank Capacity:	00012000
Tank Used for:	PRODUCT
Type of Fuel:	DIESEL
Container Construction Thickness:	3/16
Leak Detection:	Pressure Test

Tank Num:	003
Container Num:	3
Year Installed:	1982

ASTLEFORD CONSTRUCTION INC, 1010 LINDA VISTA DR, SAN MARCOS, CA, 92078-2614 (Continued)

Tank Capacity:	00012000
Tank Used for:	PRODUCT
Type of Fuel:	DIESEL
Container Construction Thickness:	3/16
Leak Detection:	Pressure Test

Tank Num:	003
Container Num:	3
Year Installed:	1982
Tank Capacity:	00012000
Tank Used for:	PRODUCT
Type of Fuel:	DIESEL
Container Construction Thickness:	3/16
Leak Detection:	Pressure Test

Tank Num:	004
Container Num:	4
Year Installed:	1982
Tank Capacity:	00012000
Tank Used for:	PRODUCT
Type of Fuel:	DIESEL
Container Construction Thickness:	3/16
Leak Detection:	Pressure Test

Tank Num:	004
Container Num:	4
Year Installed:	1982
Tank Capacity:	00012000
Tank Used for:	PRODUCT
Type of Fuel:	DIESEL
Container Construction Thickness:	3/16
Leak Detection:	Pressure Test

Click here for Geo Tracker PDF:	http://www.web.edrnet.com/ordering/switchboard/redirect.aspx?s=GRR_CA_HISTUST_PDF&img_id=0002ACD8

FINDS: Other Ascertainable Records

Registry ID:	110002775033
Click Here for FRS Facility Detail Report:	https://ofmpub.epa.gov/frs_public2/fii_query_detail.disp_program_facility?p_registry_id=110002775033

Environmental Interest/Information System:

California Hazardous Waste Tracking System - Datamart (HWTS-DATAMART) provides California with information on hazardous waste shipments for generators, transporters, and treatment, storage, and disposal facilities.

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities

ASTLEFORD CONSTRUCTION INC, 1010 LINDA VISTA DR, SAN MARCOS, CA, 92078-2614 (Continued)

related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

The Click here to access additional FINDS: detail in the EDR Site Report. database contains
http://www.edrnet.com/srf2/FinalSiteReport.aspx?ID=4Dk4TeDqckG72knTGteyP9AbqJBcSL3ShGph7ko27mk6FnCe3jtGmKtIL5ZXy9IPN39E3AKJbER56TJQiBBK9p0SZZLA04eLDKqke925QTHCewv8YiqtacUs3u7GvE7Kc2aYkfAnsp4prG4Pt
ye7RyyHBP294OSAu5bY.4ldJp7BoW4DRD2qks63V3TPFehO2GXqXHcNN9BGGUt7By3Hlk2inDZ7dMG3htK0ApzyvqP
A7248A02bO65KlJuoBuT4AmSVnLzC1UpSuuhDQ42mpSghAQuHRk0MoBt4zgDRakiQ3RCT70efW28Sqe0c8L3W6GX
e7wn2q8kL7nCc2v2GMEt272rZy6nPSK53OAFkbwx6MXJieBzYA6bSZuLtY44NSXAh7i4lWpP4hZ95YSkumovB2
additional records for this site. Please contact your EDR Account Executive for more information.

ECHO: Other Ascertainable Records

Envid:	1000348223
Registry ID:	110002775033
DFR URL:	http://echo.epa.gov/detailed-facility-report?fid=110002775033
Name:	ASTLEFORD CONSTRUCTION INC
Address:	1010 LINDA VISTA DR
City,State,Zip:	SAN MARCOS, CA 92078

CORTESE: Other Ascertainable Records

Name:	GRAND CHANNEL BRIDGE PROJECT - CITY OF SAN MARCOS
Address:	1010 LINDA VISTA DRIVE
City,State,Zip:	SAN MARCOS, CA 92069
Region:	CORTESE
Envirostor Id:	Not Reported
Global ID:	T10000006374
Site/Facility Type:	LUST CLEANUP SITE
Cleanup Status:	COMPLETED - CASE CLOSED
Status Date:	Not Reported
Site Code:	Not Reported
Latitude:	Not Reported
Longitude:	Not Reported
Owner:	Not Reported
Enf Type:	Not Reported
Swat R:	Not Reported
Flag:	active
Order No:	Not Reported
Waste Discharge System No:	Not Reported
Effective Date:	Not Reported
Region 2:	Not Reported
WID Id:	Not Reported
Solid Waste Id No:	Not Reported
Waste Management Uit Name:	Not Reported
File Name:	Active Open

HAZNET: Other Ascertainable Records

ASTLEFORD CONSTRUCTION INC, 1010 LINDA VISTA DR, SAN MARCOS, CA, 92078-2614 (Continued)

Name:	ASTLEFORD CONSTRUCTION INC
Address:	1010 LINDA VISTA DR
Address 2:	Not Reported
City,State,Zip:	SAN MARCOS, CA 920690000
Contact:	DANNY HOLBROOK
Telephone:	7607440630
Mailing Name:	Not Reported
Mailing Address:	1010 LINDA VISTA DR

Year:	2008
Gepaid:	CAD982009011
TSD EPA ID:	CAD097030993
CA Waste Code:	491 - Unspecified sludge waste
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	1.56375

Year:	1999
Gepaid:	CAD982009011
TSD EPA ID:	CAD099452708
CA Waste Code:	222 - Oil/water separation sludge
Disposal Method:	H01 - Transfer Station
Tons:	3.582

Year:	1991
Gepaid:	CAD982009011
TSD EPA ID:	CAT080013352
CA Waste Code:	221 - Waste oil and mixed oil
Disposal Method:	R01 - Recycler
Tons:	5.421

Year:	1990
Gepaid:	CAD982009011
TSD EPA ID:	CAT080013352
CA Waste Code:	221 - Waste oil and mixed oil
Disposal Method:	R01 - Recycler
Tons:	4.587

Year:	1989
Gepaid:	CAD982009011
TSD EPA ID:	CAT080013352
CA Waste Code:	221 - Waste oil and mixed oil
Disposal Method:	R01 - Recycler
Tons:	4.17

Year:	1989

ASTLEFORD CONSTRUCTION INC, 1010 LINDA VISTA DR, SAN MARCOS, CA, 92078-2614 (Continued)

Gepaid:	CAD982009011
TSD EPA ID:	CAD008352890
CA Waste Code:	221 - Waste oil and mixed oil
Disposal Method:	R01 - Recycler
Tons:	0.6

Year:	1988
Gepaid:	CAD982009011
TSD EPA ID:	CAT080010101
CA Waste Code:	611 - Contaminated soil from site clean-up
Disposal Method:	H01 - Transfer Station
Tons:	0.9

Year:	1988
Gepaid:	CAD982009011
TSD EPA ID:	CAT080013352
CA Waste Code:	221 - Waste oil and mixed oil
Disposal Method:	R01 - Recycler
Tons:	5.004

Additional Info:

Year:	2008
Gen EPA ID:	CAD982009011

Shipment Date:	20081125
Creation Date:	1/15/2009 18:30:08
Receipt Date:	20081205
Manifest ID:	005136280JJK
Trans EPA ID:	CAD028277036
Trans Name:	ASBURY ENVIRONMENTAL SERVICES
Trans 2 EPA ID:	Not Reported
Trans 2 Name:	Not Reported
TSDF EPA ID:	CAD097030993
Trans Name:	SIEMENS WATER TECHNOLOGIES CORP
TSDF Alt EPA ID:	Not Reported
TSDF Alt Name:	Not Reported
Waste Code Description:	491 - Unspecified sludge waste
RCRA Code:	Not Reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	1.56375
Waste Quantity:	375
Quantity Unit:	G
Additional Code 1:	Not Reported

ASTLEFORD CONSTRUCTION INC, 1010 LINDA VISTA DR, SAN MARCOS, CA, 92078-2614 (Continued)

Additional Code 2:	Not Reported
Additional Code 3:	Not Reported
Additional Code 4:	Not Reported
Additional Code 5:	Not Reported

Additional Info:

Year:	1999
Gen EPA ID:	CAD982009011

Shipment Date:	19990216
Creation Date:	4/20/1999 0:00:00
Receipt Date:	19990218
Manifest ID:	98664207
Trans EPA ID:	ILD984908202
Trans Name:	Not Reported
Trans 2 EPA ID:	ILD984908202
Trans 2 Name:	Not Reported
TSDF EPA ID:	CAD099452708
Trans Name:	Not Reported
TSDF Alt EPA ID:	CAD099452708
TSDF Alt Name:	Not Reported
Waste Code Description:	222 - Oil/water separation sludge
RCRA Code:	Not Reported
Meth Code:	H01 - Transfer Station
Quantity Tons:	3.582
Waste Quantity:	859
Quantity Unit:	G
Additional Code 1:	Not Reported
Additional Code 2:	Not Reported
Additional Code 3:	Not Reported
Additional Code 4:	Not Reported
Additional Code 5:	Not Reported

NPDES: Other Ascertainable Records

Name:	CARPENTRY PLUS
Address:	1010 LINDA VISTA DR
City,State,Zip:	SAN MARCOS, CA 92078
Facility Status:	Not Reported
NPDES Number:	Not Reported
Region:	Not Reported
Agency Number:	Not Reported
Regulatory Measure ID:	Not Reported
Place ID:	Not Reported
Order Number:	Not Reported

ASTLEFORD CONSTRUCTION INC, 1010 LINDA VISTA DR, SAN MARCOS, CA, 92078-2614 (Continued)

WDID:	9 37IN600725
Regulatory Measure Type:	Industrial
Program Type:	Not Reported
Adoption Date Of Regulatory Measure:	Not Reported
Effective Date Of Regulatory Measure:	Not Reported
Termination Date Of Regulatory Measure:	Not Reported
Expiration Date Of Regulatory Measure:	Not Reported
Discharge Address:	Not Reported
Discharge Name:	Not Reported
Discharge City:	Not Reported
Discharge State:	Not Reported
Discharge Zip:	Not Reported
Status:	Undetermined
Status Date:	02/28/2011
Operator Name:	Carpentry Plus
Operator Address:	1010 Linda Vista Dr
Operator City:	San Marcos
Operator State:	California
Operator Zip:	92078

SAN DIEGO CO LOP: Other Ascertainable Records

Name:	GRAND CHANNEL BRIDGE PROJECT - CITY OF SAN MARCOS
Address:	1010 LINDA VISTA DR
City,State,Zip:	SAN MARCOS, CA 92078-2614
Record ID:	DEH2014-LSAM-000278
Record Status:	Completed
Opened Date:	12/12/2014
Parcel Number:	219-152-08-00
Case Type:	LOP - Local Oversight Program
Historical Name:	Grand Channel Bridge Project - City of San Marcos
SWRCB Global ID:	T10000006374
Funding:	S - LOP State Fund
Lead Agency:	DEH/SAM
Lead Agency Date:	12/12/2014
Census Tract:	200.29
Community:	San Marcos
Jurisdiction:	SAN MARCOS
Watershed Basin Number:	904.52
Water Purveyor:	VALLECITOS WATER DISTRICT
Fire Agency:	SAN MARCOS FIRE PROT DIST
Latitude:	33.1396285
Longitude:	-117.1867833
X MapCoord:	6274907.093

ASTLEFORD CONSTRUCTION INC, 1010 LINDA VISTA DR, SAN MARCOS, CA, 92078-2614 (Continued)

Y MapCoord:	1995739.940

CERS: Other Ascertainable Records

Name:	GRAND CHANNEL BRIDGE PROJECT - CITY OF SAN MARCOS
Address:	1010 LINDA VISTA DRIVE
City,State,Zip:	SAN MARCOS, CA 92069
Site ID:	275331
CERS ID:	T10000006374
CERS Description:	Leaking Underground Storage Tank Cleanup Site
Affiliation:	
Affiliation Type Desc:	Local Agency Caseworker
Entity Name:	EWAN MOFFAT - SAN DIEGO COUNTY LOP
Entity Title:	Not Reported
Affiliation Address:	P.O. Box 129261
Affiliation City:	San Diego
Affiliation State:	CA
Affiliation Country:	Not Reported
Affiliation Zip:	Not Reported
Affiliation Phone:	,

HWTS: Other Ascertainable Records

Name:	ASTLEFORD CONSTRUCTION INC
Address:	1010 LINDA VISTA DR
Address 2:	Not Reported
City,State,Zip:	SAN MARCOS, CA 92069
EPA ID:	CAD982009011
Inactive Date:	06/30/2008
Create Date:	06/17/1988
Last Act Date:	Not Reported
Mailing Name:	Not Reported
Mailing Address:	1010 LINDA VISTA DR
Mailing Address 2:	Not Reported
Mailing City,State,Zip:	SAN MARCOS, CA 920690000
Owner Name:	ROBERT L ASTLEFORD PRESIDENT
Owner Address:	1010 LINDA VISTA DR
Owner Address 2:	Not Reported
Owner City,State,Zip:	SAN MARCOS, CA 920692614
Contact Name:	DANNY HOLBROOK
Contact Address:	1010 LINDA VISTA DR
Contact Address 2:	Not Reported
City,State,Zip:	SAN MARCOS, CA 920692614

ASTLEFORD CONSTRUCTION INC, 1010 LINDA VISTA DR, SAN MARCOS, CA, 92078-2614 (Continued)

Facility Status:	Inactive
Facility Type:	PERMANENT
Category:	FEDERAL
Latitude:	33.49435
Longitude:	-117.721265
NAICS:	

EPA ID:	CAD982009011
Create Date:	2002-03-14 16:36:26.000
NAICS Code:	23411
NAICS Description:	Highway and Street Construction
Issued EPA ID Date:	1988-06-17 00:00:00
Inactive Date:	2008-06-30 00:00:00
Facility Name:	ASTLEFORD CONSTRUCTION INC
Facility Address:	1010 LINDA VISTA DR
Facility Address 2:	Not Reported
Facility City:	SAN MARCOS
Facility County:	Not Reported
Facility State:	CA
Facility Zip:	920690000

TNT BLANCHARD GENERAL ENGINEERING 1010 LINDA VISTA DR, SAN MARCOS, CA, 92078			S113157431
Map ID: B7	Distance: SW <1/10 (0 ft. / 0 mi.)	Elevation: 3 ft. Lower Elevation 541 ft. Above Sea Level	Other Ascertainable Records

Worksheet:

Database Details:

HAZNET: Other Ascertainable Records

Name:	TNT BLANCHARD GENERAL ENGINEERING
Address:	1010 LINDA VISTA DR
Address 2:	Not Reported
City,State,Zip:	SAN MARCOS, CA 920782614
Contact:	MIKE KUNKEL
Telephone:	9517574215
Mailing Name:	Not Reported
Mailing Address:	529 W 4TH AVE
Year:	2009
Gepaid:	CAL000347696
TSD EPA ID:	CAT080013352
CA Waste Code:	223 - Unspecified oil-containing waste
Disposal Method:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Tons:	7.089

Additional Info:

Year:	2009
Gen EPA ID:	CAL000347696
Shipment Date:	20091123
Creation Date:	2/3/2010 18:30:35
Receipt Date:	20091124
Manifest ID:	005354866JJK
Trans EPA ID:	CAD983609678
Trans Name:	BLACK GOLD INDUSTRIES
Trans 2 EPA ID:	Not Reported
Trans 2 Name:	Not Reported
TSDF EPA ID:	CAT080013352
Trans Name:	DEMENNO / KERDOON

TNT BLANCHARD GENERAL ENGINEERING, 1010 LINDA VISTA DR, SAN MARCOS, CA, 92078 (Continued)

TSDF Alt EPA ID:	Not Reported
TSDF Alt Name:	Not Reported
Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	Not Reported
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	7.089
Waste Quantity:	1700
Quantity Unit:	G
Additional Code 1:	Not Reported
Additional Code 2:	Not Reported
Additional Code 3:	Not Reported
Additional Code 4:	Not Reported
Additional Code 5:	Not Reported

HWTS: Other Ascertainable Records

Name:	TNT BLANCHARD GENERAL ENGINEERING
Address:	1010 LINDA VISTA DR
Address 2:	Not Reported
City,State,Zip:	SAN MARCOS, CA 92078
EPA ID:	CAL000347696
Inactive Date:	06/18/2012
Create Date:	11/02/2009
Last Act Date:	Not Reported
Mailing Name:	Not Reported
Mailing Address:	529 W 4TH AVE
Mailing Address 2:	Not Reported
Mailing City,State,Zip:	ESCONDIDO, CA 920250000
Owner Name:	TNT BLANCHARD GENERAL ENGINEERING
Owner Address:	529B W 4TH AVE
Owner Address 2:	Not Reported
Owner City,State,Zip:	ESCONDIDO, CA 920250000
Contact Name:	MIKE KUNKEL
Contact Address:	529 W 4TH ST
Contact Address 2:	Not Reported
City,State,Zip:	ESCONDIDO, CA 920250000
Facility Status:	Inactive
Facility Type:	PERMANENT
Category:	STATE
Latitude:	33.139118
Longitude:	-117.186707
NAICS:	

EPA ID:	CAL000347696
Create Date:	2009-11-02 10:01:48.487
NAICS Code:	23499

TNT BLANCHARD GENERAL ENGINEERING, 1010 LINDA VISTA DR, SAN MARCOS, CA, 92078 (Continued)

NAICS Description:	All Other Heavy Construction
Issued EPA ID Date:	2009-11-02 10:01:48.47000
Inactive Date:	2012-06-18 00:00:00
Facility Name:	TNT BLANCHARD GENERAL ENGINEERING
Facility Address:	1010 LINDA VISTA DR
Facility Address 2:	Not Reported
Facility City:	SAN MARCOS
Facility County:	Not Reported
Facility State:	CA
Facility Zip:	920782614

MAP FINDINGS

1X TEMPLETON GRATING & EXCAVATING 1010 LINDA VISTA DR, SAN MARCOS, CA, 92078			S123701977
Map ID: B8	Distance: SW <1/10 (0 ft. / 0 mi.)	Elevation: 3 ft. Lower Elevation 541 ft. Above Sea Level	Other Ascertainable Records

Worksheet:

Database Details:

HAZNET: Other Ascertainable Records

Name:	1X TEMPLETON GRATING & EXCAVATING
Address:	1010 LINDA VISTA DR
Address 2:	Not Reported
City,State,Zip:	SAN MARCOS, CA 920782614
Contact:	DANNY HOLBROOK
Telephone:	6197440630
Mailing Name:	Not Reported
Mailing Address:	1010 LINDA VISTA DR
Year:	1987
Gepaid:	CAC000010132
TSD EPA ID:	Not Reported
CA Waste Code:	221 - Waste oil and mixed oil
Disposal Method:	01 -
Tons:	3.336

HWTS: Other Ascertainable Records

Name:	1X TEMPLETON GRATING & EXCAVATING
Address:	1010 LINDA VISTA DR
Address 2:	Not Reported
City,State,Zip:	SAN MARCOS, CA 92078
EPA ID:	CAC000010132
Inactive Date:	10/25/2000
Create Date:	05/07/1987
Last Act Date:	Not Reported
Mailing Name:	Not Reported
Mailing Address:	1010 LINDA VISTA DR
Mailing Address 2:	Not Reported
Mailing City,State,Zip:	SAN MARCOS, CA 0
Owner Name:	Not Reported
Owner Address:	Not Reported

1X TEMPLETON GRATING & EXCAVATING, 1010 LINDA VISTA DR, SAN MARCOS, CA, 92078 (Continued)

Owner Address 2:	Not Reported
Owner City,State,Zip:	Not Reported
Contact Name:	DANNY HOLBROOK
Contact Address:	Not Reported
Contact Address 2:	Not Reported
City,State,Zip:	Not Reported
Facility Status:	Inactive
Facility Type:	TEMPORARY
Category:	STATE
Latitude:	33.139159
Longitude:	-117.186845

MAP FINDINGS

GRAND CHANNEL BRIDGE PROJECT - CITY OF SAN MARCOS 1010 LINDA VISTA DRIVE, SAN MARCOS, CA, 92069			1023203872
Map ID: B9	Distance: SW <1/10 (0 ft. / 0 mi.)	Elevation: 3 ft. Lower Elevation 541 ft. Above Sea Level	Other Ascertainable Records

Worksheet:

Database Details:

FINDS: Other Ascertainable Records

Registry ID:	110064888803
Click Here for FRS Facility Detail Report:	https://ofmpub.epa.gov/frs_public2/fii_query_detail.disp_program_facility?p_registry_id=110064888803

Environmental Interest/Information System:

STATE MASTER

The Click here to access additional FINDS: detail in the EDR Site Report. database contains http://www.edrnet.com/srf2/FinalSiteReport.aspx?ID=2p2lpF1WlZ8wFV24Wz1sZq26w54WVl8C4q4izv8gsc2kp41rla73Fi2OWL1kZL3KwS6KVC3j4B3dzC2dpw2Lld1FFE8wWI2tZs6Mwh9WVa1a4Y4MzT31si0Jq6386rtf5H2Vpt2tl31mFd2fW91hZs3xwM4tVy3A471gzD4tsb9Oqa8Z623x5Q1 additional records for this site. Please contact your EDR Account Executive for more information.

MAP FINDINGS

CARPENTRY PLUS 1010 LINDA VISTA DR, SAN MARCOS, CA, 92078			1023688048
Map ID: B10	Distance: SW <1/10 (0 ft. / 0 mi.)	Elevation: 3 ft. Lower Elevation 541 ft. Above Sea Level	Other Ascertainable Records

Worksheet:

Database Details:

FINDS: Other Ascertainable Records

Registry ID:	110070085015
Click Here for FRS Facility Detail Report:	https://ofmpub.epa.gov/frs_public2/fii_query_detail.disp_program_facility?p_registry_id=110070085015

Environmental Interest/Information System:

US National Pollutant Discharge Elimination System (NPDES) module of the Compliance Information System (ICIS) tracks surface water permits issued under the Clean Water Act. Under NPDES, all facilities that discharge pollutants from any point source into waters of the United States are required to obtain a permit. The permit will likely contain limits on what can be discharged, impose monitoring and reporting requirements, and include other provisions to ensure that the discharge does not adversely affect water quality.

The Click here to access additional FINDS: detail in the EDR Site Report. database contains http://www.edrnet.com/srf2/FinalSiteReport.aspx?ID=2p2lpF1WlZ8wFV24Wz1sZq26w54WVl8C4q4izv8gsc2kp41rla73Fi2OWL1kZL3KwS6KVC3j4B3dzC2dpw2Lld1FFE8wWI2tZs6Mwh9WVa1a4Y4MzT31si0Jq6386rtf5H2Vpt2tl31mFd2fW91hZs3xwM4tVy7A479gzD9tsb1Oqa5Z629x5Q1 additional records for this site. Please contact your EDR Account Executive for more information.

ECHO: Other Ascertainable Records

Envid:	1023688048
Registry ID:	110070085015
DFR URL:	http://echo.epa.gov/detailed-facility-report?fid=110070085015
Name:	CARPENTRY PLUS
Address:	1010 LINDA VISTA DR
City,State,Zip:	SAN MARCOS, CA 92078

MAP FINDINGS

SAN MARCOS POLISHING 1043 GRAND AVE, SAN MARCOS, CA, 92078			S113117106
Map ID: C11	Distance: NW <1/10 (0 ft. / 0 mi.)	Elevation: Equal Elevation 544 ft. Above Sea Level	Other Ascertainable Records

Worksheet:

Impact on Target Property: VEC does not exist

Database Details:

HAZNET: Other Ascertainable Records

Name:	SAN MARCOS POLISHING
Address:	1043 GRAND AVE
Address 2:	Not Reported
City,State,Zip:	SAN MARCOS, CA 920782602
Contact:	FERNANDO CARASCO
Telephone:	7607529825
Mailing Name:	Not Reported
Mailing Address:	1043 GRAND AVE
Year:	2004
Gepaid:	CAL000240224
TSD EPA ID:	CAD008364432
CA Waste Code:	352 - Other organic solids
Disposal Method:	H01 - Transfer Station
Tons:	0.4
Year:	2003
Gepaid:	CAL000240224
TSD EPA ID:	CAD008364432
CA Waste Code:	352 - Other organic solids
Disposal Method:	H01 - Transfer Station
Tons:	0.15
Year:	2002
Gepaid:	CAL000240224
TSD EPA ID:	CAD008364432
CA Waste Code:	-
Disposal Method:	H01 - Transfer Station
Tons:	0.1
Year:	2002
Gepaid:	CAL000240224
TSD EPA ID:	CAD008364432

SAN MARCOS POLISHING, 1043 GRAND AVE, SAN MARCOS, CA, 92078 (Continued)

CA Waste Code:	352 - Other organic solids
Disposal Method:	H01 - Transfer Station
Tons:	0.2

Additional Info:

Year:	2004
Gen EPA ID:	CAL000240224
Shipment Date:	20040726
Creation Date:	11/1/2004 12:36:11
Receipt Date:	20040726
Manifest ID:	22786669
Trans EPA ID:	CAD008364432
Trans Name:	RHO CHEM
Trans 2 EPA ID:	Not Reported
Trans 2 Name:	Not Reported
TSDF EPA ID:	CAD008364482
Trans Name:	RHO-CHEM CORPORATION
TSDF Alt EPA ID:	CAD008364432
TSDF Alt Name:	Not Reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	NA
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.3
Waste Quantity:	600
Quantity Unit:	P
Additional Code 1:	Not Reported
Additional Code 2:	Not Reported
Additional Code 3:	Not Reported
Additional Code 4:	Not Reported
Additional Code 5:	Not Reported
Shipment Date:	20040202
Creation Date:	8/19/2004 11:23:49
Receipt Date:	20040202
Manifest ID:	22789895
Trans EPA ID:	CAD008364432
Trans Name:	RHO-CHEM
Trans 2 EPA ID:	Not Reported
Trans 2 Name:	Not Reported
TSDF EPA ID:	CAD008364432
Trans Name:	RHO-CHEM CORPORATION
TSDF Alt EPA ID:	CAD008364432
TSDF Alt Name:	Not Reported

SAN MARCOS POLISHING, 1043 GRAND AVE, SAN MARCOS, CA, 92078 (Continued)

Waste Code Description:	352 - Other organic solids
RCRA Code:	Not Reported
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.1
Waste Quantity:	200
Quantity Unit:	P
Additional Code 1:	Not Reported
Additional Code 2:	Not Reported
Additional Code 3:	Not Reported
Additional Code 4:	Not Reported
Additional Code 5:	Not Reported

Additional Info:

Year:	2003
Gen EPA ID:	CAL000240224

Shipment Date:	20030905
Creation Date:	7/29/2004 7:45:24
Receipt Date:	20030905
Manifest ID:	22100466
Trans EPA ID:	CAD008364432
Trans Name:	Not Reported
Trans 2 EPA ID:	Not Reported
Trans 2 Name:	Not Reported
TSDF EPA ID:	CAD008364432
Trans Name:	Not Reported
TSDF Alt EPA ID:	CAD008364432
TSDF Alt Name:	Not Reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not Reported
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.1
Waste Quantity:	200
Quantity Unit:	P
Additional Code 1:	Not Reported
Additional Code 2:	Not Reported
Additional Code 3:	Not Reported
Additional Code 4:	Not Reported
Additional Code 5:	Not Reported

Shipment Date:	20030905
Creation Date:	7/29/2004 7:45:24
Receipt Date:	20030905
Manifest ID:	22100466
Trans EPA ID:	CAD008364432

SAN MARCOS POLISHING, 1043 GRAND AVE, SAN MARCOS, CA, 92078 (Continued)

Trans Name:	Not Reported
Trans 2 EPA ID:	Not Reported
Trans 2 Name:	Not Reported
TSDF EPA ID:	CAD008364432
Trans Name:	Not Reported
TSDF Alt EPA ID:	CAD008364432
TSDF Alt Name:	Not Reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not Reported
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.05
Waste Quantity:	100
Quantity Unit:	P
Additional Code 1:	Not Reported
Additional Code 2:	Not Reported
Additional Code 3:	Not Reported
Additional Code 4:	Not Reported
Additional Code 5:	Not Reported

Additional Info:

Year:	2002
Gen EPA ID:	CAL000240224

Shipment Date:	20020909
Creation Date:	1/28/2003 18:30:41
Receipt Date:	20020909
Manifest ID:	21723259
Trans EPA ID:	CAD008364432
Trans Name:	Not Reported
Trans 2 EPA ID:	Not Reported
Trans 2 Name:	Not Reported
TSDF EPA ID:	CAD008364432
Trans Name:	Not Reported
TSDF Alt EPA ID:	Not Reported
TSDF Alt Name:	Not Reported
Waste Code Description:	- Not reported
RCRA Code:	Not Reported
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.1
Waste Quantity:	200
Quantity Unit:	P
Additional Code 1:	Not Reported
Additional Code 2:	Not Reported
Additional Code 3:	Not Reported
Additional Code 4:	Not Reported

SAN MARCOS POLISHING, 1043 GRAND AVE, SAN MARCOS, CA, 92078 (Continued)

Additional Code 5:	Not Reported

Shipment Date:	20020909
Creation Date:	1/28/2003 18:30:41
Receipt Date:	20020909
Manifest ID:	21723259
Trans EPA ID:	CAD008364432
Trans Name:	Not Reported
Trans 2 EPA ID:	Not Reported
Trans 2 Name:	Not Reported
TSDF EPA ID:	CAD008364432
Trans Name:	Not Reported
TSDF Alt EPA ID:	Not Reported
TSDF Alt Name:	Not Reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not Reported
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.2
Waste Quantity:	400
Quantity Unit:	P
Additional Code 1:	Not Reported
Additional Code 2:	Not Reported
Additional Code 3:	Not Reported
Additional Code 4:	Not Reported
Additional Code 5:	Not Reported

HWTS: Other Ascertainable Records

Name:	SAN MARCOS POLISHING
Address:	1043 GRAND AVE
Address 2:	Not Reported
City,State,Zip:	SAN MARCOS, CA 92078
EPA ID:	CAL000240224
Inactive Date:	06/30/2009
Create Date:	01/17/2002
Last Act Date:	Not Reported
Mailing Name:	Not Reported
Mailing Address:	1043 GRAND AVE
Mailing Address 2:	Not Reported
Mailing City,State,Zip:	SAN MARCOS, CA 920690000
Owner Name:	CARASCO ENTERPRISES INC
Owner Address:	1043 GRAND AVE
Owner Address 2:	Not Reported
Owner City,State,Zip:	SAN MARCOS, CA 920690000
Contact Name:	FERNANDO CARASCO
Contact Address:	1043 GRAND AVE

SAN MARCOS POLISHING, 1043 GRAND AVE, SAN MARCOS, CA, 92078 (Continued)

Contact Address 2:	Not Reported
City,State,Zip:	SAN MARCOS, CA 920690000
Facility Status:	Inactive
Facility Type:	PERMANENT
Category:	STATE
Latitude:	33.141165
Longitude:	-117.18667
NAICS:	

EPA ID:	CAL000240224
Create Date:	2002-03-14 16:36:29.000
NAICS Code:	332813
NAICS Description:	Electroplating, Plating, Polishing, Anodizing, and Coloring
Issued EPA ID Date:	2002-01-17 00:00:00
Inactive Date:	2009-06-30 00:00:00
Facility Name:	SAN MARCOS POLISHING
Facility Address:	1043 GRAND AVE
Facility Address 2:	Not Reported
Facility City:	SAN MARCOS
Facility County:	Not Reported
Facility State:	CA
Facility Zip:	920782602

EPA ID:	CAL000240224
Create Date:	2002-03-14 16:36:29.000
NAICS Code:	332813
NAICS Description:	Electroplating, Plating, Polishing, Anodizing, and Coloring
Issued EPA ID Date:	2002-01-17 00:00:00
Inactive Date:	2009-06-30 00:00:00
Facility Name:	SAN MARCOS POLISHING
Facility Address:	1043 GRAND AVE
Facility Address 2:	Not Reported
Facility City:	SAN MARCOS
Facility County:	Not Reported
Facility State:	CA
Facility Zip:	920782602

MAP FINDINGS

1X LANCASTER AUTO BODY 1043 GRAND ST, SAN MARCOS, CA, 92069			S123770150
Map ID: C12	Distance: NW <1/10 (0 ft. / 0 mi.)	Elevation: Equal Elevation 544 ft. Above Sea Level	Other Ascertainable Records

Worksheet:

Impact on Target Property: Undetermined

Database Details:

HAZNET: Other Ascertainable Records

Name:	1X LANCASTER AUTO BODY
Address:	1043 GRAND ST
Address 2:	Not Reported
City,State,Zip:	SAN MARCOS, CA 920690000
Contact:	JANET MARTIN
Telephone:	4157440909
Mailing Name:	Not Reported
Mailing Address:	--
Year:	1986
Gepaid:	CAP999001769
TSD EPA ID:	CAD095894556
CA Waste Code:	221 - Waste oil and mixed oil
Disposal Method:	D99 - Disposal, Other
Tons:	0.4587

HWTS: Other Ascertainable Records

Name:	1X LANCASTER AUTO BODY
Address:	1043 GRAND ST
Address 2:	Not Reported
City,State,Zip:	SAN MARCOS, CA 92069
EPA ID:	CAP999001769
Inactive Date:	12/19/2000
Create Date:	11/06/1986
Last Act Date:	Not Reported
Mailing Name:	Not Reported
Mailing Address:	Not Reported
Mailing Address 2:	Not Reported
Mailing City,State,Zip:	SAN MARCOS, CA 920690000
Owner Name:	Not Reported
Owner Address:	Not Reported

1X LANCASTER AUTO BODY, 1043 GRAND ST, SAN MARCOS, CA, 92069 (Continued)

Owner Address 2:	Not Reported
Owner City,State,Zip:	Not Reported
Contact Name:	JANET MARTIN
Contact Address:	Not Reported
Contact Address 2:	Not Reported
City,State,Zip:	Not Reported
Facility Status:	Inactive
Facility Type:	TEMPORARY
Category:	FEDERAL
Latitude:	33.140419
Longitude:	-117.184583

MAP FINDINGS

CRIBWALL COMPANY SITE 1023 GRAND AVENUE, SAN MARCOS, CA, 92078			S111293383
Map ID: C13	Distance: NW <1/10 (0 ft. / 0 mi.)	Elevation: Equal Elevation 544 ft. Above Sea Level	Lists of state and tribal leaking storage tanks Other Ascertainable Records

Worksheet:

Impact on Target Property: VEC does not exist

Comments: Chemicals of concern are not likely to be present at this source.

Database Details:

CPS-SLIC: Lists of state and tribal leaking storage tanks

Name:	CRIBWALL COMPANY SITE
Address:	1023 GRAND AVENUE
City,State,Zip:	SAN MARCOS, CA 92078
Region:	STATE
Facility Status:	Completed - Case Closed
Status Date:	07/03/2012
Global Id:	T10000003271
Lead Agency:	SAN DIEGO COUNTY LOP
Lead Agency Case Number:	H39774-001
Latitude:	33.140481
Longitude:	-117.187299
Case Type:	Cleanup Program Site
Case Worker:	CB
Local Agency:	SAN DIEGO COUNTY LOP
RB Case Number:	Not Reported
File Location:	Local Agency
Potential Media Affected:	Not Reported
Potential Contaminants of Concern:	Not Reported
Site History:	Please refer to "Site Maps/Documents" tab for Closure Letter/Summary
Click here to access the California GeoTracker records for this facility:	http://www.web.edrnet.com/ordering/switchboard/redirect.aspx?s=GRR_CA_SLIC_ST&global_id=T10000003271

CERS: Other Ascertainable Records

Name:	CRIBWALL COMPANY SITE
Address:	1023 GRAND AVENUE
City,State,Zip:	SAN MARCOS, CA 92078
Site ID:	206187
CERS ID:	T10000003271
CERS Description:	Cleanup Program Site
Affiliation:	

CRIBWALL COMPANY SITE, 1023 GRAND AVENUE, SAN MARCOS, CA, 92078 (Continued)

Affiliation Type Desc:	Local Agency Caseworker
Entity Name:	CRAIG BURNETT - SAN DIEGO COUNTY LOP
Entity Title:	Not Reported
Affiliation Address:	P.O. Box 129261
Affiliation City:	SAN DIEGO
Affiliation State:	CA
Affiliation Country:	Not Reported
Affiliation Zip:	Not Reported
Affiliation Phone:	8585056978,

MAP FINDINGS

APEX IMPORT GARAGE 1003 GRAND AVE, SAN MARCOS, CA, 920690000			S123754789
Map ID: D14	Distance: NNW <1/10 (0 ft. / 0 mi.)	Elevation: Equal Elevation 544 ft. Above Sea Level	Other Ascertainable Records

Worksheet:

Impact on Target Property: VEC does not exist

Database Details:

HAZNET: Other Ascertainable Records

Name:	APEX IMPORT GARAGE
Address:	1003 GRAND AVE
Address 2:	Not Reported
City,State,Zip:	SAN MARCOS, CA 920690000
Contact:	INACT PER 96 VQ AD
Telephone:	--
Mailing Name:	Not Reported
Mailing Address:	1003 GRAND AVE
Year:	1987
Gepaid:	CAD981165962
TSD EPA ID:	CAT080013352
CA Waste Code:	221 - Waste oil and mixed oil
Disposal Method:	R01 - Recycler
Tons:	0.3336
Year:	1986
Gepaid:	CAD981165962
TSD EPA ID:	Not Reported
CA Waste Code:	221 - Waste oil and mixed oil
Disposal Method:	01 -
Tons:	0.834

HWTS: Other Ascertainable Records

Name:	APEX IMPORT GARAGE
Address:	1003 GRAND AVE
Address 2:	Not Reported
City,State,Zip:	SAN MARCOS, CA 92069
EPA ID:	CAD981165962
Inactive Date:	06/30/1996

APEX IMPORT GARAGE, 1003 GRAND AVE, SAN MARCOS, CA, 920690000 (Continued)

Create Date:	04/10/1987
Last Act Date:	Not Reported
Mailing Name:	Not Reported
Mailing Address:	1003 GRAND AVE
Mailing Address 2:	Not Reported
Mailing City,State,Zip:	SAN MARCOS, CA 920690000
Owner Name:	Not Reported
Owner Address:	Not Reported
Owner Address 2:	Not Reported
Owner City,State,Zip:	Not Reported
Contact Name:	INACT PER 96 VQ AD
Contact Address:	GUTKNECHT RICHARD OR JUDY
Contact Address 2:	Not Reported
City,State,Zip:	Not Reported
Facility Status:	Inactive
Facility Type:	PERMANENT
Category:	FEDERAL
Latitude:	33.141023
Longitude:	-117.186353

Name:	APEX IMPORT GARAGE
Address:	1003 GRAND AVE
Address 2:	Not Reported
City,State,Zip:	SAN MARCOS, CA 92069
EPA ID:	CAD981381189
Inactive Date:	06/30/1996
Create Date:	04/10/1987
Last Act Date:	Not Reported
Mailing Name:	Not Reported
Mailing Address:	1003 GRAND AVE
Mailing Address 2:	Not Reported
Mailing City,State,Zip:	SAN MARCOS, CA 920690000
Owner Name:	Not Reported
Owner Address:	Not Reported
Owner Address 2:	Not Reported
Owner City,State,Zip:	Not Reported
Contact Name:	INACT PER 96 VQ AD
Contact Address:	GUTKNECHT RICHARD OR JUDY
Contact Address 2:	Not Reported
City,State,Zip:	Not Reported
Facility Status:	Inactive
Facility Type:	PERMANENT
Category:	STATE
Latitude:	33.140039
Longitude:	-117.183517

MAP FINDINGS

APEX IMPORT GARAGE 1003 GRAND AVE, SAN MARCOS, CA, 92069			1000438898
Map ID: D15	Distance: NNW <1/10 (0 ft. / 0 mi.)	Elevation: Equal Elevation 544 ft. Above Sea Level	Other Ascertainable Records

Worksheet:

Impact on Target Property: VEC does not exist

Database Details:

RCRA Listings: Other Ascertainable Records

Date Form Received by Agency:	19950201
Handler Name:	APEX IMPORT GARAGE
Handler Address:	1003 GRAND AVE
Handler City,State,Zip:	SAN MARCOS, CA 92069
EPA ID:	CAD981165962
Contact Name:	JUDY GUTKNECHT
Contact Address:	1003 GRAND AVE
Contact City,State,Zip:	SAN MARCOS, CA 92069
Contact Telephone:	619-744-6165
Contact Fax:	Not Reported
Contact Email:	Not Reported
Contact Title:	Not Reported
EPA Region:	09
Land Type:	Private
Federal Waste Generator Description:	Not a generator, verified
Non-Notifier:	Not Reported
Biennial Report Cycle:	Not Reported
Accessibility:	Not Reported
Active Site Indicator:	Not Reported
State District Owner:	CA
State District:	4
Mailing Address:	1566 CHEROKEE ST
Mailing City,State,Zip:	SAN MARCOS, CA 92069
Owner Name:	JUDY GUTKNECHT
Owner Type:	Private
Operator Name:	NOT REQUIRED
Operator Type:	Private
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No

APEX IMPORT GARAGE, 1003 GRAND AVE, SAN MARCOS, CA, 92069 (Continued)

Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not Reported
Active Site Converter Treatment storage and Disposal Facility:	Not Reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not Reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not Reported
Hazardous Secondary Material Indicator:	NN
Sub-Part K Indicator:	Not Reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not Reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not Reported
Permit Workload Universe:	Not Reported
Permit Progress Universe:	Not Reported
Post-Closure Workload Universe:	Not Reported
Closure Workload Universe:	Not Reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not Reported
Full Enforcement Universe:	Not Reported

APEX IMPORT GARAGE, 1003 GRAND AVE, SAN MARCOS, CA, 92069 (Continued)

Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not Reported
Handler Date of Last Change:	20020627
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	Not Reported
Manifest Broker:	Not Reported
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Operator
Owner/Operator Name:	NOT REQUIRED
Legal Status:	Private
Date Became Current:	Not Reported
Date Ended Current:	Not Reported
Owner/Operator Address:	NOT REQUIRED
Owner/Operator City,State,Zip:	NOT REQUIRED, ME 99999
Owner/Operator Telephone:	415-555-1212
Owner/Operator Telephone Ext:	Not Reported
Owner/Operator Fax:	Not Reported
Owner/Operator Email:	Not Reported

Owner/Operator Indicator:	Owner
Owner/Operator Name:	JUDY GUTKNECHT
Legal Status:	Private
Date Became Current:	Not Reported
Date Ended Current:	Not Reported
Owner/Operator Address:	1566 CHEROKEE ST
Owner/Operator City,State,Zip:	SAN MARCOS, CA 92069
Owner/Operator Telephone:	619-555-1212
Owner/Operator Telephone Ext:	Not Reported
Owner/Operator Fax:	Not Reported
Owner/Operator Email:	Not Reported

Historic Generators:

APEX IMPORT GARAGE, 1003 GRAND AVE, SAN MARCOS, CA, 92069 (Continued)

Receive Date:	19950201
Handler Name:	APEX IMPORT GARAGE
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	CA
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	Not Reported
Electronic Manifest Broker:	Not Reported

List of NAICS Codes and Descriptions:

NAICS Codes: No NAICS Codes Found

Facility Has Received Notices of Violations:

Violations: No Violations Found

Evaluation Action Summary:

Evaluations: No Evaluations Found

FINDS: Other Ascertainable Records

Registry ID:	110002680135
Click Here for FRS Facility Detail Report:	https://ofmpub.epa.gov/frs_public2/fii_query_detail.disp_program_facility?p_registry_id=110002680135

Environmental Interest/Information System:

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

The Click here to access additional FINDS: detail in the EDR Site Report. database contains http://www.edrnet.com/srf2/FinalSiteReport.aspx?ID=2x2mx11wmq8I1l22wG1SqR2LID4AlO8n2P4nGQ8WSn2Jxp1Vmw7K1K22wc1FqV3WIC6Jle39253wGq2Fxl2Pmu1S1G8MwG2.qY6IIn95lm1x2x4PGe32Ss0bR23kLat.Dl2Bxg29m31c1z2Awu1UqE1CIN1Cly5T2o4nGW9aSN9BRcA5Lw9mDy1 additional records for this site. Please contact your EDR Account Executive for more information.

ECHO: Other Ascertainable Records

APEX IMPORT GARAGE, 1003 GRAND AVE, SAN MARCOS, CA, 92069 (Continued)

Envid:	1000438898
Registry ID:	110002680135
DFR URL:	http://echo.epa.gov/detailed-facility-report?fid=110002680135
Name:	APEX IMPORT GARAGE
Address:	1003 GRAND AVE
City,State,Zip:	SAN MARCOS, CA 92069

MAP FINDINGS

GRAND AVENUE METAL INDUSTRIAL BUILDINGS 1031 GRAND AVENUE, SAN MARCOS, CA, 92078			S103987173
Map ID: C16	Distance: NW <1/10 (0 ft. / 0 mi.)	Elevation: Equal Elevation 544 ft. Above Sea Level	Lists of state and tribal leaking storage tanks Other Ascertainable Records

Worksheet:

Impact on Target Property: VEC does not exist

Database Details:

CPS-SLIC: Lists of state and tribal leaking storage tanks

Name:	GRAND AVENUE METAL INDUSTRIAL BUILDINGS
Address:	1031 GRAND AVENUE
City,State,Zip:	SAN MARCOS, CA 92078
Region:	STATE
Facility Status:	Completed - Case Closed
Status Date:	07/03/2012
Global Id:	T10000003199
Lead Agency:	SAN DIEGO COUNTY LOP
Lead Agency Case Number:	H39772-001
Latitude:	33.141144680727
Longitude:	-117.187943458557
Case Type:	Cleanup Program Site
Case Worker:	CB
Local Agency:	SAN DIEGO COUNTY LOP
RB Case Number:	Not Reported
File Location:	Local Agency
Potential Media Affected:	Soil
Potential Contaminants of Concern:	Benzene, Waste Oil / Motor / Hydraulic / Lubricating
Site History:	Please refer to "Site Maps/Documents" tab for Closure Letter/Summary
Click here to access the California GeoTracker records for this facility:	http://www.web.edrnet.com/ordering/switchboard/redirect.aspx?s=GRR_CA_SLIC_ST&global_id=T10000003199

CERS: Other Ascertainable Records

Name:	GRAND AVENUE METAL INDUSTRIAL BUILDINGS
Address:	1031 GRAND AVENUE
City,State,Zip:	SAN MARCOS, CA 92078
Site ID:	189718
CERS ID:	T10000003199
CERS Description:	Cleanup Program Site
Affiliation:	

GRAND AVENUE METAL INDUSTRIAL BUILDINGS, 1031 GRAND AVENUE, SAN MARCOS, CA, 92078 (Continued)

Affiliation Type Desc:	Local Agency Caseworker
Entity Name:	CRAIG BURNETT - SAN DIEGO COUNTY LOP
Entity Title:	Not Reported
Affiliation Address:	P.O. Box 129261
Affiliation City:	SAN DIEGO
Affiliation State:	CA
Affiliation Country:	Not Reported
Affiliation Zip:	Not Reported
Affiliation Phone:	8585056978,

MAP FINDINGS

RUDYS RADIATOR SHOP 1057 GRAND AVE, SAN MARCOS, CA, 92069			1000442200
Map ID: C17	Distance: NW <1/10 (0 ft. / 0 mi.)	Elevation: Equal Elevation 544 ft. Above Sea Level	Lists of Federal RCRA generators Local Lists of Hazardous waste / Contaminated Sites Other Ascertainable Records

Worksheet:

Database Details:

RCRA Listings: Lists of Federal RCRA generators

Date Form Received by Agency:	19870413
Handler Name:	RUDYS RADIATOR SHOP
Handler Address:	1057 GRAND AVE
Handler City,State,Zip:	SAN MARCOS, CA 92069
EPA ID:	CAD981980295
Contact Name:	ENVIRONMENTAL MANAGER
Contact Address:	1057 GRAND AVE
Contact City,State,Zip:	SAN MARCOS, CA 92069
Contact Telephone:	619-744-9195
Contact Fax:	Not Reported
Contact Email:	Not Reported
Contact Title:	Not Reported
EPA Region:	09
Land Type:	Other
Federal Waste Generator Description:	Small Quantity Generator
Non-Notifier:	Not Reported
Biennial Report Cycle:	Not Reported
Accessibility:	Not Reported
Active Site Indicator:	Handler Activities
State District Owner:	CA
State District:	4
Mailing Address:	1057 GRAND AVE
Mailing City,State,Zip:	SAN MARCOS, CA 92069
Owner Name:	RODOLFO ZAMORA
Owner Type:	Private
Operator Name:	NOT REQUIRED
Operator Type:	Private
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No

RUDYS RADIATOR SHOP, 1057 GRAND AVE, SAN MARCOS, CA, 92069 (Continued)

Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not Reported
Active Site Converter Treatment storage and Disposal Facility:	Not Reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not Reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not Reported
Hazardous Secondary Material Indicator:	NN
Sub-Part K Indicator:	Not Reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not Reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not Reported
Permit Workload Universe:	Not Reported
Permit Progress Universe:	Not Reported
Post-Closure Workload Universe:	Not Reported
Closure Workload Universe:	Not Reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not Reported
Full Enforcement Universe:	Not Reported

RUDYS RADIATOR SHOP, 1057 GRAND AVE, SAN MARCOS, CA, 92069 (Continued)

Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not Reported
Handler Date of Last Change:	20020627
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	Not Reported
Manifest Broker:	Not Reported
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name:	RODOLFO ZAMORA
Legal Status:	Private
Date Became Current:	Not Reported
Date Ended Current:	Not Reported
Owner/Operator Address:	NOT REQUIRED
Owner/Operator City,State,Zip:	NOT REQUIRED, ME 99999
Owner/Operator Telephone:	415-555-1212
Owner/Operator Telephone Ext:	Not Reported
Owner/Operator Fax:	Not Reported
Owner/Operator Email:	Not Reported

Owner/Operator Indicator:	Operator
Owner/Operator Name:	NOT REQUIRED
Legal Status:	Private
Date Became Current:	Not Reported
Date Ended Current:	Not Reported
Owner/Operator Address:	NOT REQUIRED
Owner/Operator City,State,Zip:	NOT REQUIRED, ME 99999
Owner/Operator Telephone:	415-555-1212
Owner/Operator Telephone Ext:	Not Reported
Owner/Operator Fax:	Not Reported
Owner/Operator Email:	Not Reported

Historic Generators:

RUDYS RADIATOR SHOP, 1057 GRAND AVE, SAN MARCOS, CA, 92069 (Continued)

Receive Date:	19870413
Handler Name:	RUDYS RADIATOR SHOP
Federal Waste Generator Description:	Small Quantity Generator
State District Owner:	CA
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	Not Reported
Electronic Manifest Broker:	Not Reported

List of NAICS Codes and Descriptions:

NAICS Code:	811111
NAICS Description:	GENERAL AUTOMOTIVE REPAIR

Facility Has Received Notices of Violations:

Violations:	No Violations Found

Evaluation Action Summary:

Evaluations:	No Evaluations Found

HMMD SAN DIEGO: Local Lists of Hazardous waste / Contaminated Sites

Name:	RUDYS RADIATOR SHOP
Address:	1057 GRAND AV
City,State,Zip:	SAN MARCOS, CA 92069
Permit Number:	113849
Business Type:	6HK26
EPA Id Number:	CAD981980295
APN:	219-152-70-00
Last HMMD Inspection:	04/27/1995
Facility Telephone:	619-744-9195
Permit Status:	INAC
Permit Expiration:	04/27/1995
Date Last Updated:	11/02/2012

RUDYS RADIATOR SHOP, 1057 GRAND AVE, SAN MARCOS, CA, 92069 (Continued)

Facility Owner:	ALEX MARTINEZ
Facility Mailing Address:	1057 GRAND AV
Facility Mailing City:	SAN MARCOS
Facility Mailing State:	CA
Facility Mailing Zip:	92069-2602
UST Owner:	Not Reported
Handle Regulated Hazmat:	Not Reported
Own Or Operate UST:	Not Reported
Subject To APSA:	Not Reported
Generate Haz Waste:	Y
Treat Haz Waste:	Not Reported
Generate Medical Waste:	Not Reported

FINDS: Other Ascertainable Records

Registry ID:	110002763377
Click Here for FRS Facility Detail Report:	https://ofmpub.epa.gov/frs_public2/fii_query_detail.disp_program_facility?p_registry_id=110002763377

Environmental Interest/Information System:

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

The Click here to access additional FINDS: detail in the EDR Site Report. database contains http://www.edrnet.com/srf2/FinalSiteReport.aspx?ID=2a2oaK1poa8dKX2.pW12aY23dM4oXW8O.x4sWP8t2y2raZ1fon7bKS2fpO1la93Cdw6lX53Z.y3FWy2MaZ2Sog1fKH8Hpl26aD6EdO9AXx1q.M4RWI33220NYV3t3ItrMi2raw2Po21zKM2epe1kaZ1Rdr1WXT5G.25NWJ3G2A3yYd173q17MX1 additional records for this site. Please contact your EDR Account Executive for more information.

ECHO: Other Ascertainable Records

Envid:	1000442200
Registry ID:	110002763377
DFR URL:	http://echo.epa.gov/detailed-facility-report?fid=110002763377
Name:	RUDYS RADIATOR SHOP
Address:	1057 GRAND AVE
City,State,Zip:	SAN MARCOS, CA 92069

MAP FINDINGS

SCOTTS VW PARADISE 1031 GRAND AVE, SAN MARCOS, CA, 92069			S123616994
Map ID: C18	Distance: NW <1/10 (0 ft. / 0 mi.)	Elevation: Equal Elevation 544 ft. Above Sea Level	Other Ascertainable Records

Worksheet:

Database Details:

HAZNET: Other Ascertainable Records

Name:	SCOTTS VW PARADISE
Address:	1031 GRAND AVE
Address 2:	Not Reported
City,State,Zip:	SAN MARCOS, CA 920690000
Contact:	INACTIVE DUP NUM IN BLK LOGBK
Telephone:	--
Mailing Name:	Not Reported
Mailing Address:	1031 GRAND AVE
Year:	1998
Gepaid:	CAL000057512
TSD EPA ID:	CAL000121946
CA Waste Code:	541 - Photochemicals/photoprocessing waste
Disposal Method:	R01 - Recycler
Tons:	0.0208
Year:	1997
Gepaid:	CAL000057512
TSD EPA ID:	CAL000121946
CA Waste Code:	541 - Photochemicals/photoprocessing waste
Disposal Method:	R01 - Recycler
Tons:	0.0416

Additional Info:

Year:	1998
Gen EPA ID:	CAL000057512
Shipment Date:	19980218
Creation Date:	4/16/1998 0:00:00
Receipt Date:	19980218
Manifest ID:	97278021

SCOTTS VW PARADISE, 1031 GRAND AVE, SAN MARCOS, CA, 92069 (Continued)

Trans EPA ID:	CAL000827826
Trans Name:	Not Reported
Trans 2 EPA ID:	Not Reported
Trans 2 Name:	Not Reported
TSDF EPA ID:	CAL000121946
Trans Name:	Not Reported
TSDF Alt EPA ID:	CAL000121946
TSDF Alt Name:	Not Reported
Waste Code Description:	541 - Photochemicals / photo processing waste
RCRA Code:	D011
Meth Code:	R01 - Recycler
Quantity Tons:	0.0208
Waste Quantity:	5
Quantity Unit:	G
Additional Code 1:	Not Reported
Additional Code 2:	Not Reported
Additional Code 3:	Not Reported
Additional Code 4:	Not Reported
Additional Code 5:	Not Reported

Additional Info:

Year:	1997
Gen EPA ID:	CAL000057512

Shipment Date:	19971001
Creation Date:	7/23/1998 0:00:00
Receipt Date:	19971002
Manifest ID:	96841434
Trans EPA ID:	CAL000827826
Trans Name:	Not Reported
Trans 2 EPA ID:	Not Reported
Trans 2 Name:	Not Reported
TSDF EPA ID:	CAL000121946
Trans Name:	Not Reported
TSDF Alt EPA ID:	CAL000121946
TSDF Alt Name:	Not Reported
Waste Code Description:	541 - Photochemicals / photo processing waste
RCRA Code:	D011
Meth Code:	R01 - Recycler
Quantity Tons:	0.0208
Waste Quantity:	5
Quantity Unit:	G
Additional Code 1:	Not Reported
Additional Code 2:	Not Reported
Additional Code 3:	Not Reported

SCOTTS VW PARADISE, 1031 GRAND AVE, SAN MARCOS, CA, 92069 (Continued)

Additional Code 4:	Not Reported
Additional Code 5:	Not Reported

Shipment Date:	19970415
Creation Date:	6/26/1997 0:00:00
Receipt Date:	19970417
Manifest ID:	96803749
Trans EPA ID:	CAL000827826
Trans Name:	Not Reported
Trans 2 EPA ID:	Not Reported
Trans 2 Name:	Not Reported
TSDF EPA ID:	CAL000121946
Trans Name:	Not Reported
TSDF Alt EPA ID:	CAL000121946
TSDF Alt Name:	Not Reported
Waste Code Description:	541 - Photochemicals / photo processing waste
RCRA Code:	D011
Meth Code:	R01 - Recycler
Quantity Tons:	0.0208
Waste Quantity:	5
Quantity Unit:	G
Additional Code 1:	Not Reported
Additional Code 2:	Not Reported
Additional Code 3:	Not Reported
Additional Code 4:	Not Reported
Additional Code 5:	Not Reported

HWTS: Other Ascertainable Records

Name:	SCOTTS VW PARADISE
Address:	1031 GRAND AVE
Address 2:	Not Reported
City,State,Zip:	SAN MARCOS, CA 92069
EPA ID:	CAL000057512
Inactive Date:	06/30/1993
Create Date:	04/04/1994
Last Act Date:	Not Reported
Mailing Name:	Not Reported
Mailing Address:	1031 GRAND AVE
Mailing Address 2:	Not Reported
Mailing City,State,Zip:	SAN MARCOS, CA 920690000
Owner Name:	Not Reported
Owner Address:	Not Reported
Owner Address 2:	Not Reported
Owner City,State,Zip:	Not Reported
Contact Name:	INACTIVE DUP NUM IN BLK LOGBK

SCOTTS VW PARADISE, 1031 GRAND AVE, SAN MARCOS, CA, 92069 (Continued)

Contact Address:	Not Reported
Contact Address 2:	Not Reported
City,State,Zip:	Not Reported
Facility Status:	Inactive
Facility Type:	PERMANENT
Category:	STATE
Latitude:	33.140305
Longitude:	-117.184263

MAP FINDINGS

GRAND AVENUE BUILDING PAD AND SLAB DEMOLITION APN 219 152 70 47 18 14 40 51 42 45 44 61 08, SAN MARCOS, CA, 92056			S111459622
Map ID: D19	Distance: NW <1/10 (0 ft. / 0 mi.)	Elevation: 1 ft. Lower Elevation 543 ft. Above Sea Level	Other Ascertainable Records

Worksheet:

Database Details:

NPDES: Other Ascertainable Records

Name:	GRAND AVENUE BUILDING PAD AND SLAB DEMOLITION
Address:	APN 219 152 70 47 18 14 40 51 42 45 44 61 08
City,State,Zip:	SAN MARCOS, CA 92056
Facility Status:	Not Reported
NPDES Number:	Not Reported
Region:	Not Reported
Agency Number:	Not Reported
Regulatory Measure ID:	Not Reported
Place ID:	Not Reported
Order Number:	Not Reported
WDID:	9 37C362925
Regulatory Measure Type:	Construction
Program Type:	Not Reported
Adoption Date Of Regulatory Measure:	Not Reported
Effective Date Of Regulatory Measure:	Not Reported
Termination Date Of Regulatory Measure:	Not Reported
Expiration Date Of Regulatory Measure:	Not Reported
Discharge Address:	Not Reported
Discharge Name:	Not Reported
Discharge City:	Not Reported
Discharge State:	Not Reported
Discharge Zip:	Not Reported
Status:	Terminated
Status Date:	06/24/2016
Operator Name:	San Marcos City
Operator Address:	1 Civic Center Dr
Operator City:	San Marcos
Operator State:	California
Operator Zip:	92069
NPDES as of 03/2018:	

GRAND AVENUE BUILDING PAD AND SLAB DEMOLITION, APN 219 152 70 47 18 14 40 51 42 45 44 61 08, SAN MARCOS, CA, 92056 (Continued)

NPDES Number:	Not Reported
Status:	Not Reported
Agency Number:	Not Reported
Region:	9
Regulatory Measure ID:	422975
Order Number:	Not Reported
Regulatory Measure Type:	Construction
Place ID:	Not Reported
WDID:	9 37C362925
Program Type:	Not Reported
Adoption Date Of Regulatory Measure:	Not Reported
Effective Date Of Regulatory Measure:	Not Reported
Expiration Date Of Regulatory Measure:	Not Reported
Termination Date Of Regulatory Measure:	06/24/2016
Discharge Name:	Not Reported
Discharge Address:	Not Reported
Discharge City:	Not Reported
Discharge State:	Not Reported
Discharge Zip:	Not Reported
Received Date:	02/01/2012
Processed Date:	02/03/2012
Status:	Terminated
Status Date:	06/24/2016
Place Size:	11.88
Place Size Unit:	Acres
Contact:	Elias Gallegos
Contact Title:	Not Reported
Contact Phone:	760-744-1050
Contact Phone Ext:	3225
Contact Email:	egallegos@san-marcos.net
Operator Name:	San Marcos City
Operator Address:	1 Civic Center Dr
Operator City:	San Marcos
Operator State:	California
Operator Zip:	92069
Operator Contact:	Reed Thornberry
Operator Contact Title:	Not Reported
Operator Contact Phone:	760-744-1050
Operator Contact Phone Ext:	3217
Operator Contact Email:	rthornberry@san-marcos.net
Operator Type:	City/Town Agency
Developer:	San Marcos City
Developer Address:	1 Civic Center Dr
Developer City:	San Marcos

GRAND AVENUE BUILDING PAD AND SLAB DEMOLITION, APN 219 152 70 47 18 14 40 51 42 45 44 61 08, SAN MARCOS, CA, 92056 (Continued)

Developer State:	California
Developer Zip:	92069
Developer Contact:	Reed Thornberry
Developer Contact Title:	Not Reported
Constype Linear Utility Ind:	N
Emergency Phone:	Not Reported
Emergency Phone Ext:	Not Reported
Constype Above Ground Ind:	Not Reported
Constype Below Ground Ind:	Not Reported
Constype Cable Line Ind:	Not Reported
Constype Comm Line Ind:	Not Reported
Constype Commertial Ind:	Y
Constype Electrical Line Ind:	Not Reported
Constype Gas Line Ind:	Not Reported
Constype Industrial Ind:	Not Reported
Constype Other Description:	Not Reported
Constype Other Ind:	Not Reported
Constype Recons Ind:	Not Reported
Constype Residential Ind:	Not Reported
Constype Transport Ind:	Not Reported
Constype Utility Description:	Building Demolition and Rough Grading
Constype Utility Ind:	Y
Constype Water Sewer Ind:	Not Reported
Dir Discharge Uswater Ind:	Y
Receiving Water Name:	Las Posas reach tributary to San Marcos Creek
Certifier:	Reed Thornberry
Certifier Title:	Not Reported
Certification Date:	22-APR-14
Primary Sic:	Not Reported
Secondary Sic:	Not Reported
Tertiary Sic:	Not Reported

NPDES Number:	CAS000002
Status:	Terminated
Agency Number:	0
Region:	9
Regulatory Measure ID:	422975
Order Number:	2009-0009-DWQ
Regulatory Measure Type:	Enrollee
Place ID:	Not Reported
WDID:	9 37C362925
Program Type:	Construction
Adoption Date Of Regulatory Measure:	Not Reported
Effective Date Of Regulatory Measure:	02/03/2012
Expiration Date Of Regulatory	Not Reported

GRAND AVENUE BUILDING PAD AND SLAB DEMOLITION, APN 219 152 70 47 18 14 40 51 42 45 44 61 08, SAN MARCOS, CA, 92056 (Continued)

Measure:	
Termination Date Of Regulatory Measure:	06/24/2016
Discharge Name:	San Marcos City
Discharge Address:	1 Civic Center Dr
Discharge City:	San Marcos
Discharge State:	California
Discharge Zip:	92069
Received Date:	Not Reported
Processed Date:	Not Reported
Status:	Not Reported
Status Date:	Not Reported
Place Size:	Not Reported
Place Size Unit:	Not Reported
Contact:	Not Reported
Contact Title:	Not Reported
Contact Phone:	Not Reported
Contact Phone Ext:	Not Reported
Contact Email:	Not Reported
Operator Name:	Not Reported
Operator Address:	Not Reported
Operator City:	Not Reported
Operator State:	Not Reported
Operator Zip:	Not Reported
Operator Contact:	Not Reported
Operator Contact Title:	Not Reported
Operator Contact Phone:	Not Reported
Operator Contact Phone Ext:	Not Reported
Operator Contact Email:	Not Reported
Operator Type:	Not Reported
Developer:	Not Reported
Developer Address:	Not Reported
Developer City:	Not Reported
Developer State:	Not Reported
Developer Zip:	Not Reported
Developer Contact:	Not Reported
Developer Contact Title:	Not Reported
Constype Linear Utility Ind:	Not Reported
Emergency Phone:	Not Reported
Emergency Phone Ext:	Not Reported
Constype Above Ground Ind:	Not Reported
Constype Below Ground Ind:	Not Reported
Constype Cable Line Ind:	Not Reported
Constype Comm Line Ind:	Not Reported
Constype Commertial Ind:	Not Reported
Constype Electrical Line Ind:	Not Reported
Constype Gas Line Ind:	Not Reported

GRAND AVENUE BUILDING PAD AND SLAB DEMOLITION, APN 219 152 70 47 18 14 40 51 42 45 44 61 08, SAN MARCOS, CA, 92056 (Continued)

Constype Industrial Ind:	Not Reported
Constype Other Description:	Not Reported
Constype Other Ind:	Not Reported
Constype Recons Ind:	Not Reported
Constype Residential Ind:	Not Reported
Constype Transport Ind:	Not Reported
Constype Utility Description:	Not Reported
Constype Utility Ind:	Not Reported
Constype Water Sewer Ind:	Not Reported
Dir Discharge Uswater Ind:	Not Reported
Receiving Water Name:	Not Reported
Certifier:	Not Reported
Certifier Title:	Not Reported
Certification Date:	Not Reported
Primary Sic:	Not Reported
Secondary Sic:	Not Reported
Tertiary Sic:	Not Reported

CIWQS: Other Ascertainable Records

Name:	GRAND AVENUE BUILDING PAD AND SLAB DEMOLITION
Address:	APN 219 152 70 47 18 14 40 51 42 45 44 61 08
City,State,Zip:	SAN MARCOS, CA 92056
Agency:	San Marcos City
Agency Address:	1 Civic Center Dr, San Marcos, CA 92069
Place/Project Type:	Construction - Commercial, Utility: Building Demolition and Rough Grading
SIC/NAICS:	Not Reported
Region:	9
Program:	CONSTW
Regulatory Measure Status:	Terminated
Regulatory Measure Type:	Storm water construction
Order Number:	2009-0009-DWQ
WDID:	9 37C362925
NPDES Number:	CAS000002
Adoption Date:	Not Reported
Effective Date:	02/03/2012
Termination Date:	06/24/2016
Expiration/Review Date:	Not Reported
Design Flow:	Not Reported
Major/Minor:	Not Reported
Complexity:	Not Reported
TTWQ:	Not Reported
Enforcement Actions within 5 years:	0
Violations within 5 years:	0

GRAND AVENUE BUILDING PAD AND SLAB DEMOLITION, APN 219 152 70 47 18 14 40 51 42 45 44 61 08, SAN MARCOS, CA, 92056 (Continued)

Latitude:	33.140571
Longitude:	-117.186559

MAP FINDINGS

V W PARADISE 1031 GRAND, SAN MARCOS, CA, 92069			1021487862
Map ID: C20	Distance: NW <1/10 (0 ft. / 0 mi.)	Elevation: Equal Elevation 544 ft. Above Sea Level	EDR Exclusive Records

Worksheet:

Database Details:

EDR Hist Auto: EDR Exclusive Records

Year:	Name: / Type:
1982:	V W PARADISE / General Automotive Repair Shops
1983:	V W PARADISE / General Automotive Repair Shops
1985:	V W PARADISE / General Automotive Repair Shops
1986:	V W PARADISE / General Automotive Repair Shops
1987:	V W PARADISE / General Automotive Repair Shops
1988:	V W PARADISE / General Automotive Repair Shops
1989:	V W PARADISE / General Automotive Repair Shops
1990:	V W PARADISE / General Automotive Repair Shops
1991:	V W PARADISE / General Automotive Repair Shops
1992:	V W PARADISE / General Automotive Repair Shops
1993:	SCOTTS VW PARADISE / General Automotive Repair Shops
1994:	SCOTTS VW PARADISE / General Automotive Repair Shops
1995:	SCOTTS VW PARADISE / General Automotive Repair Shops
1996:	SCOTTS VW PARADISE / General Automotive Repair Shops
1996:	K & K TRANSMISSIONS INC / Automotive Transmission Repair Shops
1997:	K & K TRANSMISSIONS INC / Automotive Transmission Repair Shops
1998:	K & K TRANSMISSIONS INC / Automotive Transmission Repair Shops
1999:	K & K TRANSMISSIONS INC / Automotive Transmission Repair Shops
2000:	K & K TRANSMISSIONS INC / Automotive Transmission Repair Shops
2001:	K & K AUTO REPAIR / General Automotive Repair Shops
2002:	K & K AUTO REPAIR / General Automotive Repair Shops
2003:	K & K AUTO REPAIR / General Automotive Repair Shops
2003:	DR TRANS / Automotive Transmission Repair Shops
2004:	DR TRANS / Automotive Transmission Repair Shops
2005:	DR TRANS / Automotive Transmission Repair Shops
2006:	DR TRANS / Automotive Transmission Repair Shops
2007:	DR TRANS / Automotive Transmission Repair Shops
2010:	DR TRANS / Automotive Transmission Repair Shops

MAP FINDINGS

SAN MARCOS POLISHING 1043 GRAND AV, SAN MARCOS, CA, 92078			S104748847
Map ID: C21	Distance: NW <1/10 (0 ft. / 0 mi.)	Elevation: Equal Elevation 544 ft. Above Sea Level	Local Lists of Hazardous waste / Contaminated Sites

Worksheet:

Database Details:

HMMD SAN DIEGO: Local Lists of Hazardous waste / Contaminated Sites

Name:	SAN MARCOS POLISHING
Address:	1043 GRAND AV
City,State,Zip:	SAN MARCOS, CA 92078
Permit Number:	119142
Business Type:	6HK18
EPA Id Number:	CAL000240224
APN:	219-152-47-00
Last HMMD Inspection:	06/20/2008
Facility Telephone:	760-752-9825
Permit Status:	INAC
Permit Expiration:	06/30/2011
Date Last Updated:	11/02/2012
Facility Owner:	CARRASCO ENTERRISES, INC
Facility Mailing Address:	1043 GRAND AVE.
Facility Mailing City:	SAN MARCOS
Facility Mailing State:	CA
Facility Mailing Zip:	92078
UST Owner:	Not Reported
Handle Regulated Hazmat:	Not Reported
Own Or Operate UST:	Not Reported
Subject To APSA:	Not Reported
Generate Haz Waste:	Y
Treat Haz Waste:	Not Reported
Generate Medical Waste:	Not Reported
Violations Inactive Permits:	

Permit Number:	119142
Update Date:	11/02/2012
Inspection Date:	01/07/2004
Violation Code:	6HV0401
Violation:	TRAINING RECORDS UNAVAILABLE
Violation Citation:	Personnel training records are not maintained to document compliance with requirements for current and former employees. CCR 66265.16(d)&(e)
Activity:	Inactive Permit

SAN MARCOS POLISHING, 1043 GRAND AV, SAN MARCOS, CA, 92078 (Continued)

Permit Number:	119142
Update Date:	11/02/2012
Inspection Date:	01/07/2004
Violation Code:	6HV0202
Violation:	WASTE CONTAINER W/O LABELS
Violation Citation:	Hazardous waste containers &/or tanks are missing labels, accumulation date and/or are improperly labeled. CCR 66262.34(a)(2); 66262.34(a)(3) & 66262.34(f)
Activity:	Inactive Permit

Permit Number:	119142
Update Date:	11/02/2012
Inspection Date:	06/20/2008
Violation Code:	6HV0227
Violation:	HAZWASTE TANK/CONTAINER W/O LABEL/DATE
Violation Citation:	Failed to properly label/date hazardous waste container &/or tank. 66262.34(f)
Activity:	Inactive Permit

Permit Number:	119142
Update Date:	11/02/2012
Inspection Date:	06/20/2008
Violation Code:	6HV0135
Violation:	MANIFESTS/RECEIPTS FOR 3 YEARS NOT ONSIT
Violation Citation:	Hazardous waste manifests/receipts for 3 years are not maintained onsite to document proper disposal of hazardous waste. CCR 66262.40(a) & 25160.2(b)(3)
Activity:	Inactive Permit

MAP FINDINGS

PARADISE V W 1031 GRAND, SAN MARCOS, CA, 92069			S123615623
Map ID: C22	Distance: NW <1/10 (0 ft. / 0 mi.)	Elevation: Equal Elevation 544 ft. Above Sea Level	Other Ascertainable Records

Worksheet:

Database Details:

HAZNET: Other Ascertainable Records

Name:	PARADISE V W
Address:	1031 GRAND
Address 2:	Not Reported
City,State,Zip:	SAN MARCOS, CA 920690000
Contact:	--
Telephone:	--
Mailing Name:	Not Reported
Mailing Address:	1031 GRAND AVE
Year:	2013
Gepaid:	CAL000011404
TSD EPA ID:	NVD980895338
CA Waste Code:	331 - Off-specification, aged or surplus organics
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.1

Additional Info:

Year:	2013
Gen EPA ID:	CAL000011404
Shipment Date:	20130906
Creation Date:	1/28/2014 22:15:31
Receipt Date:	20130918
Manifest ID:	011575298JJK
Trans EPA ID:	CAD982413262
Trans Name:	EVERGREEN ENVIRONMENTAL SERVICES
Trans 2 EPA ID:	CAR000210617
Trans 2 Name:	21ST CENTURY ENVIRONMENTAL MANAGEMENT OF CA LP
TSDF EPA ID:	NVD980895338
Trans Name:	21ST CENTURY ENVIRONMENTAL MANAGEMENT OF NEVADA LLC

PARADISE V W, 1031 GRAND, SAN MARCOS, CA, 92069 (Continued)

TSDF Alt EPA ID:	Not Reported
TSDF Alt Name:	Not Reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	D001
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.1
Waste Quantity:	200
Quantity Unit:	P
Additional Code 1:	Not Reported
Additional Code 2:	Not Reported
Additional Code 3:	Not Reported
Additional Code 4:	Not Reported
Additional Code 5:	Not Reported

HWTS: Other Ascertainable Records

Name:	PARADISE V W
Address:	1031 GRAND
Address 2:	Not Reported
City,State,Zip:	SAN MARCOS, CA 92069
EPA ID:	CAL000011404
Inactive Date:	06/30/1998
Create Date:	11/14/1989
Last Act Date:	Not Reported
Mailing Name:	Not Reported
Mailing Address:	1031 GRAND AVE
Mailing Address 2:	Not Reported
Mailing City,State,Zip:	SAN MARCOS, CA 920692602
Owner Name:	SCOTT'S VW PARADISE
Owner Address:	Not Reported
Owner Address 2:	Not Reported
Owner City,State,Zip:	Not Reported
Contact Name:	Not Reported
Contact Address:	INACT PER 98VQ FINAL NOTICE
Contact Address 2:	Not Reported
City,State,Zip:	Not Reported
Facility Status:	Inactive
Facility Type:	PERMANENT
Category:	STATE
Latitude:	33.140305
Longitude:	-117.184263

MAP FINDINGS

AUTO TUNE 931 GRAND AV, SAN MARCOS, CA, 92078			S106060962
Map ID: E23	Distance: E <1/10 (0 ft. / 0 mi.)	Elevation: 3 ft. Higher Elevation 547 ft. Above Sea Level	Local Lists of Hazardous waste / Contaminated Sites

Worksheet:

Database Details:

HMMD SAN DIEGO: Local Lists of Hazardous waste / Contaminated Sites

Name:	AUTO TUNE
Address:	931 GRAND AV
City,State,Zip:	SAN MARCOS, CA 92078
Permit Number:	112675
Business Type:	6HK26
EPA Id Number:	CAL000048797
APN:	219-152-42-00
Last HMMD Inspection:	02/19/2009
Facility Telephone:	760-744-0303
Permit Status:	INAC
Permit Expiration:	04/30/2010
Date Last Updated:	11/02/2012
Facility Owner:	ALBERT CERDA JR
Facility Mailing Address:	931 GRAND AV #A
Facility Mailing City:	SAN MARCOS
Facility Mailing State:	CA
Facility Mailing Zip:	92078
UST Owner:	Not Reported
Handle Regulated Hazmat:	Y
Own Or Operate UST:	Not Reported
Subject To APSA:	Not Reported
Generate Haz Waste:	Y
Treat Haz Waste:	Not Reported
Generate Medical Waste:	Not Reported

Name:	AUTO TUNE
Address:	931 GRAND AV
City,State,Zip:	SAN MARCOS, CA 92078
Permit Number:	112675
Business Type:	6HK26
EPA Id Number:	CAL000048797
APN:	219-152-42-00
Last HMMD Inspection:	02/19/2009
Facility Telephone:	760-744-0303
Permit Status:	INAC

AUTO TUNE, 931 GRAND AV, SAN MARCOS, CA, 92078 (Continued)

Permit Expiration:	04/30/2010
Date Last Updated:	11/02/2012
Facility Owner:	ALBERT CERDA JR
Facility Mailing Address:	931 GRAND AV #A
Facility Mailing City:	SAN MARCOS
Facility Mailing State:	CA
Facility Mailing Zip:	92078
UST Owner:	Not Reported
Handle Regulated Hazmat:	Y
Own Or Operate UST:	Not Reported
Subject To APSA:	Not Reported
Generate Haz Waste:	Y
Treat Haz Waste:	Not Reported
Generate Medical Waste:	Not Reported

Name:	AUTO TUNE
Address:	931 GRAND AV
City,State,Zip:	SAN MARCOS, CA 92078
Permit Number:	112675
Business Type:	6HK26
EPA Id Number:	CAL000048797
APN:	219-152-42-00
Last HMMD Inspection:	02/19/2009
Facility Telephone:	760-744-0303
Permit Status:	INAC
Permit Expiration:	04/30/2010
Date Last Updated:	11/02/2012
Facility Owner:	ALBERT CERDA JR
Facility Mailing Address:	931 GRAND AV #A
Facility Mailing City:	SAN MARCOS
Facility Mailing State:	CA
Facility Mailing Zip:	92078
UST Owner:	Not Reported
Handle Regulated Hazmat:	Y
Own Or Operate UST:	Not Reported
Subject To APSA:	Not Reported
Generate Haz Waste:	Y
Treat Haz Waste:	Not Reported
Generate Medical Waste:	Not Reported

MAP FINDINGS

RETAINING WALLS CO 1025 GRAND AVE, SAN MARCOS, CA, 92069			S123755175
Map ID: C24	Distance: NW <1/10 (0 ft. / 0 mi.)	Elevation: Equal Elevation 544 ft. Above Sea Level	Other Ascertainable Records

Worksheet:

Database Details:

HAZNET: Other Ascertainable Records

Name:	RETAINING WALLS CO
Address:	1025 GRAND AVE
Address 2:	Not Reported
City,State,Zip:	SAN MARCOS, CA 920690000
Contact:	--
Telephone:	--
Mailing Name:	Not Reported
Mailing Address:	1025 GRAND AVE
Year:	1986
Gepaid:	CAD981377559
TSD EPA ID:	Not Reported
CA Waste Code:	221 - Waste oil and mixed oil
Disposal Method:	01 -
Tons:	0.3127
Year:	1986
Gepaid:	CAD981377559
TSD EPA ID:	CAT080013352
CA Waste Code:	221 - Waste oil and mixed oil
Disposal Method:	R01 - Recycler
Tons:	1.8765
Year:	1986
Gepaid:	CAD981377559
TSD EPA ID:	CAT0013352
CA Waste Code:	221 - Waste oil and mixed oil
Disposal Method:	01 -
Tons:	0.834

HWTS: Other Ascertainable Records

RETAINING WALLS CO, 1025 GRAND AVE, SAN MARCOS, CA, 92069 (Continued)

Name:	RETAINING WALLS CO
Address:	1025 GRAND AVE
Address 2:	Not Reported
City,State,Zip:	SAN MARCOS, CA 92069
EPA ID:	CAD981377559
Inactive Date:	06/30/1998
Create Date:	04/10/1987
Last Act Date:	Not Reported
Mailing Name:	Not Reported
Mailing Address:	1025 GRAND AVE
Mailing Address 2:	Not Reported
Mailing City,State,Zip:	SAN MARCOS, CA 920692602
Owner Name:	Not Reported
Owner Address:	Not Reported
Owner Address 2:	Not Reported
Owner City,State,Zip:	Not Reported
Contact Name:	Not Reported
Contact Address:	INACT PER 98VQ FINAL NOTICE
Contact Address 2:	Not Reported
City,State,Zip:	Not Reported
Facility Status:	Inactive
Facility Type:	PERMANENT
Category:	STATE
Latitude:	33.140248
Longitude:	-117.184103

MAP FINDINGS

K&K TRANSMISSION 1031 GRAND AVENUE, SAN MARCOS, CA, 92069			S113078021
Map ID: C25	Distance: NW <1/10 (0 ft. / 0 mi.)	Elevation: Equal Elevation 544 ft. Above Sea Level	Other Ascertainable Records

Worksheet:

Database Details:

HAZNET: Other Ascertainable Records

Name:	K&K TRANSMISSION
Address:	1031 GRAND AVENUE
Address 2:	Not Reported
City,State,Zip:	SAN MARCOS, CA 920690000
Contact:	LING KOONG, OWNER
Telephone:	7604710494
Mailing Name:	Not Reported
Mailing Address:	1031 GRAND AVE
Year:	1998
Gepaid:	CAL000142377
TSD EPA ID:	CAT080033681
CA Waste Code:	491 - Unspecified sludge waste
Disposal Method:	R01 - Recycler
Tons:	0.0208

Additional Info:

Year:	1998
Gen EPA ID:	CAL000142377
Shipment Date:	19980331
Creation Date:	6/16/1998 0:00:00
Receipt Date:	19980410
Manifest ID:	97222361
Trans EPA ID:	CAD028277036
Trans Name:	Not Reported
Trans 2 EPA ID:	Not Reported
Trans 2 Name:	Not Reported
TSDF EPA ID:	CAT080033681
Trans Name:	Not Reported
TSDF Alt EPA ID:	CAT080033681

K&K TRANSMISSION, 1031 GRAND AVENUE, SAN MARCOS, CA, 92069 (Continued)

TSDF Alt Name:	Not Reported
Waste Code Description:	491 - Unspecified sludge waste
RCRA Code:	Not Reported
Meth Code:	R01 - Recycler
Quantity Tons:	0.0208
Waste Quantity:	5
Quantity Unit:	G
Additional Code 1:	Not Reported
Additional Code 2:	Not Reported
Additional Code 3:	Not Reported
Additional Code 4:	Not Reported
Additional Code 5:	Not Reported

HWTS: Other Ascertainable Records

Name:	K&K TRANSMISSION
Address:	1031 GRAND AVENUE
Address 2:	Not Reported
City,State,Zip:	SAN MARCOS, CA 92069
EPA ID:	CAL000142377
Inactive Date:	06/30/2002
Create Date:	04/06/1995
Last Act Date:	Not Reported
Mailing Name:	Not Reported
Mailing Address:	1031 GRAND AVE
Mailing Address 2:	Not Reported
Mailing City,State,Zip:	SAN MARCOS, CA 920692602
Owner Name:	LING KOONG
Owner Address:	1031 GRAND AVE
Owner Address 2:	Not Reported
Owner City,State,Zip:	SAN MARCOS, CA 920692602
Contact Name:	LING KOONG, OWNER
Contact Address:	1031 GRAND AVE
Contact Address 2:	Not Reported
City,State,Zip:	SAN MARCOS, CA 920692602
Facility Status:	Inactive
Facility Type:	PERMANENT
Category:	STATE
Latitude:	33.140305
Longitude:	-117.184263
NAICS:	

EPA ID:	CAL000142377
Create Date:	2002-03-14 16:36:28.000
NAICS Code:	811113
NAICS Description:	Automotive Transmission Repair

K&K TRANSMISSION, 1031 GRAND AVENUE, SAN MARCOS, CA, 92069 (Continued)

Issued EPA ID Date:	1995-04-06 00:00:00
Inactive Date:	2002-06-30 00:00:00
Facility Name:	K&K TRANSMISSION
Facility Address:	1031 GRAND AVENUE
Facility Address 2:	Not Reported
Facility City:	SAN MARCOS
Facility County:	Not Reported
Facility State:	CA
Facility Zip:	920690000

MAP FINDINGS

DR.TRANS 1031 W GRAND AV, SAN MARCOS, CA, 92078			S106071817
Map ID: C26	Distance: NW <1/10 (0 ft. / 0 mi.)	Elevation: Equal Elevation 544 ft. Above Sea Level	Local Lists of Hazardous waste / Contaminated Sites

Worksheet:

Database Details:

HMMD SAN DIEGO: Local Lists of Hazardous waste / Contaminated Sites

Name:	DR.TRANS
Address:	1031 W GRAND AV
City,State,Zip:	SAN MARCOS, CA 92078
Permit Number:	201835
Business Type:	6HK26
EPA Id Number:	CAL000229827
APN:	219-152-70-00
Last HMMD Inspection:	07/13/2006
Facility Telephone:	760-471-0594
Permit Status:	CHNG
Permit Expiration:	05/31/2007
Date Last Updated:	11/02/2012
Facility Owner:	TIMOTHY WILDES
Facility Mailing Address:	1031 GRAND AV
Facility Mailing City:	SAN MARCOS
Facility Mailing State:	CA
Facility Mailing Zip:	92078
UST Owner:	Not Reported
Handle Regulated Hazmat:	Not Reported
Own Or Operate UST:	Not Reported
Subject To APSA:	Not Reported
Generate Haz Waste:	Y
Treat Haz Waste:	Not Reported
Generate Medical Waste:	Not Reported

Name:	DR.TRANS
Address:	1031 W GRAND AV
City,State,Zip:	SAN MARCOS, CA 92078
Permit Number:	201835
Business Type:	6HK26
EPA Id Number:	CAL000229827
APN:	219-152-70-00
Last HMMD Inspection:	07/13/2006
Facility Telephone:	760-471-0594
Permit Status:	CHNG

DR.TRANS, 1031 W GRAND AV, SAN MARCOS, CA, 92078 (Continued)

Permit Expiration:	05/31/2007
Date Last Updated:	11/02/2012
Facility Owner:	TIMOTHY WILDES
Facility Mailing Address:	1031 GRAND AV
Facility Mailing City:	SAN MARCOS
Facility Mailing State:	CA
Facility Mailing Zip:	92078
UST Owner:	Not Reported
Handle Regulated Hazmat:	Not Reported
Own Or Operate UST:	Not Reported
Subject To APSA:	Not Reported
Generate Haz Waste:	Y
Treat Haz Waste:	Not Reported
Generate Medical Waste:	Not Reported

MAP FINDINGS

RUDYS RADIATOR SHOP 1057 GRAND AVE, SAN MARCOS, CA, 92069			S123759131
Map ID: C27	Distance: NW <1/10 (0 ft. / 0 mi.)	Elevation: Equal Elevation 544 ft. Above Sea Level	Other Ascertainable Records

Worksheet:

Database Details:

HAZNET: Other Ascertainable Records

Name:	RUDYS RADIATOR SHOP
Address:	1057 GRAND AVE
Address 2:	Not Reported
City,State,Zip:	SAN MARCOS, CA 920690000
Contact:	INACTIVE,UNDELIVERABLE 96 FEE
Telephone:	6197449194
Mailing Name:	Not Reported
Mailing Address:	1057 GRAND AVE
Year:	1987
Gepaid:	CAD981980295
TSD EPA ID:	CAD981436165
CA Waste Code:	171 - Metal sludge (Alkaline solution (pH >= 12.5) with metals)
Disposal Method:	R01 - Recycler
Tons:	0.036

HWTS: Other Ascertainable Records

Name:	RUDYS RADIATOR SHOP
Address:	1057 GRAND AVE
Address 2:	Not Reported
City,State,Zip:	SAN MARCOS, CA 92069
EPA ID:	CAD981980295
Inactive Date:	06/30/1996
Create Date:	07/03/1987
Last Act Date:	Not Reported
Mailing Name:	Not Reported
Mailing Address:	1057 GRAND AVE
Mailing Address 2:	Not Reported
Mailing City,State,Zip:	SAN MARCOS, CA 920690000
Owner Name:	ALEX MARTINEZ
Owner Address:	1057 GRAND AVE

RUDYS RADIATOR SHOP, 1057 GRAND AVE, SAN MARCOS, CA, 92069 (Continued)

Owner Address 2:	Not Reported
Owner City,State,Zip:	SAN MARCOS, CA 920690000
Contact Name:	INACTIVE,UNDELIVERABLE 96 FEE
Contact Address:	1057 GRAND AVE
Contact Address 2:	Not Reported
City,State,Zip:	SAN MARCOS, CA 920690000
Facility Status:	Inactive
Facility Type:	PERMANENT
Category:	FEDERAL
Latitude:	33.141438
Longitude:	-117.187506

MAP FINDINGS

B & R PORSCHE **1055 GRAND AV, SAN MARCOS, CA, 92069**			S104754770
Map ID: C28	Distance: NW <1/10 (0 ft. / 0 mi.)	Elevation: Equal Elevation 544 ft. Above Sea Level	Local Lists of Hazardous waste / Contaminated Sites

Worksheet:

Database Details:

HMMD SAN DIEGO: Local Lists of Hazardous waste / Contaminated Sites

Name:	B & R PORSCHE
Address:	1055 GRAND AV
City,State,Zip:	SAN MARCOS, CA 92069
Permit Number:	135005
Business Type:	6HK26
EPA Id Number:	Not Reported
APN:	219-152-70-00
Last HMMD Inspection:	10/04/1994
Facility Telephone:	619-591-3792
Permit Status:	INAC
Permit Expiration:	10/04/1994
Date Last Updated:	11/02/2012
Facility Owner:	ROBERT JOY
Facility Mailing Address:	1055 GRAND AV
Facility Mailing City:	SAN MARCOS
Facility Mailing State:	CA
Facility Mailing Zip:	92069-
UST Owner:	Not Reported
Handle Regulated Hazmat:	Not Reported
Own Or Operate UST:	Not Reported
Subject To APSA:	Not Reported
Generate Haz Waste:	Y
Treat Haz Waste:	Not Reported
Generate Medical Waste:	Not Reported

MAP FINDINGS

GLOBAL TRANSMISSIONS 1031 W GRAND AV, SAN MARCOS, CA, 92069			S105164237
Map ID: C29	Distance: NW <1/10 (0 ft. / 0 mi.)	Elevation: Equal Elevation 544 ft. Above Sea Level	Local Lists of Hazardous waste / Contaminated Sites

Worksheet:

Database Details:

HMMD SAN DIEGO: Local Lists of Hazardous waste / Contaminated Sites

Name:	AMERICA TRANSMISSIONS
Address:	1031 W GRAND AV
City,State,Zip:	SAN MARCOS, CA 92078
Permit Number:	208359
Business Type:	6HK26
EPA Id Number:	Not Reported
APN:	219-152-70-00
Last HMMD Inspection:	08/17/2007
Facility Telephone:	760-471-0594
Permit Status:	INAC
Permit Expiration:	12/31/2007
Date Last Updated:	11/02/2012
Facility Owner:	FIDELA CHAVEZ
Facility Mailing Address:	1031 GRAND AV
Facility Mailing City:	SAN MARCOS
Facility Mailing State:	CA
Facility Mailing Zip:	92078
UST Owner:	Not Reported
Handle Regulated Hazmat:	Not Reported
Own Or Operate UST:	Not Reported
Subject To APSA:	Not Reported
Generate Haz Waste:	Y
Treat Haz Waste:	Not Reported
Generate Medical Waste:	Not Reported

Name:	AMERICA TRANSMISSIONS
Address:	1031 W GRAND AV
City,State,Zip:	SAN MARCOS, CA 92078
Permit Number:	208359
Business Type:	6HK26
EPA Id Number:	Not Reported
APN:	219-152-70-00
Last HMMD Inspection:	08/17/2007
Facility Telephone:	760-471-0594
Permit Status:	INAC

GLOBAL TRANSMISSIONS, 1031 W GRAND AV, SAN MARCOS, CA, 92069 (Continued)

Permit Expiration:	12/31/2007
Date Last Updated:	11/02/2012
Facility Owner:	FIDELA CHAVEZ
Facility Mailing Address:	1031 GRAND AV
Facility Mailing City:	SAN MARCOS
Facility Mailing State:	CA
Facility Mailing Zip:	92078
UST Owner:	Not Reported
Handle Regulated Hazmat:	Not Reported
Own Or Operate UST:	Not Reported
Subject To APSA:	Not Reported
Generate Haz Waste:	Y
Treat Haz Waste:	Not Reported
Generate Medical Waste:	Not Reported

Name:	GLOBAL TRANSMISSIONS
Address:	1031 W GRAND AV
City,State,Zip:	SAN MARCOS, CA 92069
Permit Number:	113493
Business Type:	6HK26
EPA Id Number:	CAL000229827
APN:	219-152-70-00
Last HMMD Inspection:	11/21/2002
Facility Telephone:	760-471-0494
Permit Status:	CHNG
Permit Expiration:	05/31/2003
Date Last Updated:	11/02/2012
Facility Owner:	ROBERT MURILLO
Facility Mailing Address:	1031 W GRAND AV
Facility Mailing City:	SAN MARCOS
Facility Mailing State:	CA
Facility Mailing Zip:	92069-2602
UST Owner:	Not Reported
Handle Regulated Hazmat:	Not Reported
Own Or Operate UST:	Not Reported
Subject To APSA:	Not Reported
Generate Haz Waste:	Y
Treat Haz Waste:	Not Reported
Generate Medical Waste:	Not Reported

Name:	AMERICA TRANSMISSIONS
Address:	1031 W GRAND AV
City,State,Zip:	SAN MARCOS, CA 92078
Permit Number:	208359
Business Type:	6HK26
EPA Id Number:	Not Reported
APN:	219-152-70-00

GLOBAL TRANSMISSIONS, 1031 W GRAND AV, SAN MARCOS, CA, 92069 (Continued)

Last HMMD Inspection:	08/17/2007
Facility Telephone:	760-471-0594
Permit Status:	INAC
Permit Expiration:	12/31/2007
Date Last Updated:	11/02/2012
Facility Owner:	FIDELA CHAVEZ
Facility Mailing Address:	1031 GRAND AV
Facility Mailing City:	SAN MARCOS
Facility Mailing State:	CA
Facility Mailing Zip:	92078
UST Owner:	Not Reported
Handle Regulated Hazmat:	Y
Own Or Operate UST:	Not Reported
Subject To APSA:	Not Reported
Generate Haz Waste:	Y
Treat Haz Waste:	Not Reported
Generate Medical Waste:	Not Reported

MAP FINDINGS

JERRY'S EQUIPMENT 1025 GRAND AV, SAN MARCOS, CA, 92069			S104748852
Map ID: C30	Distance: NW <1/10 (0 ft. / 0 mi.)	Elevation: Equal Elevation 544 ft. Above Sea Level	Local Lists of Hazardous waste / Contaminated Sites

Worksheet:

Database Details:

HMMD SAN DIEGO: Local Lists of Hazardous waste / Contaminated Sites

Name:	JERRY'S EQUIPMENT
Address:	1025 GRAND AV
City,State,Zip:	SAN MARCOS, CA 92069
Permit Number:	133818
Business Type:	6HK26
EPA Id Number:	CAL000061961
APN:	219-152-47-00
Last HMMD Inspection:	04/22/2001
Facility Telephone:	760-752-7760
Permit Status:	INAC
Permit Expiration:	04/30/2003
Date Last Updated:	11/02/2012
Facility Owner:	JERRY BUMPUS
Facility Mailing Address:	3425 HOLLENCREST RD
Facility Mailing City:	SAN MARCOS
Facility Mailing State:	CA
Facility Mailing Zip:	92069-
UST Owner:	Not Reported
Handle Regulated Hazmat:	Not Reported
Own Or Operate UST:	Not Reported
Subject To APSA:	Not Reported
Generate Haz Waste:	Y
Treat Haz Waste:	Not Reported
Generate Medical Waste:	Not Reported

Name:	CONCRETE SPECIALTIES CO.
Address:	1025 GRAND AV
City,State,Zip:	SAN MARCOS, CA 92078
Permit Number:	119150
Business Type:	6HK70
EPA Id Number:	CAC001139928
APN:	219-152-47-00
Last HMMD Inspection:	06/15/2011
Facility Telephone:	760-471-2500
Permit Status:	INAC

JERRY'S EQUIPMENT, 1025 GRAND AV, SAN MARCOS, CA, 92069 (Continued)

Permit Expiration:	06/30/2011
Date Last Updated:	11/02/2012
Facility Owner:	VAN DAVIS
Facility Mailing Address:	1025 GRAND AV
Facility Mailing City:	SAN MARCOS
Facility Mailing State:	CA
Facility Mailing Zip:	92078
UST Owner:	Not Reported
Handle Regulated Hazmat:	Y
Own Or Operate UST:	Not Reported
Subject To APSA:	Not Reported
Generate Haz Waste:	Y
Treat Haz Waste:	Not Reported
Generate Medical Waste:	Not Reported
Violations Inactive Permits:	

Permit Number:	119150
Update Date:	11/02/2012
Inspection Date:	01/29/2004
Violation Code:	6HV0135
Violation:	MANIFESTS/RECEIPTS FOR 3 YEARS NOT ONSIT
Violation Citation:	Hazardous waste manifests/receipts for 3 years are not maintained onsite to document proper disposal of hazardous waste. CCR 66262.40(a) & 25160.2(b)(3)
Activity:	Inactive Permit

Permit Number:	119150
Update Date:	11/02/2012
Inspection Date:	01/29/2004
Violation Code:	6HV0201
Violation:	WASTE CONTAINER NOT CLOSED
Violation Citation:	Hazardous waste containers are not kept closed while in storage. CCR 66265.173(a)
Activity:	Inactive Permit

Permit Number:	119150
Update Date:	11/02/2012
Inspection Date:	01/29/2004
Violation Code:	6HV0202
Violation:	WASTE CONTAINER W/O LABELS
Violation Citation:	Hazardous waste containers &/or tanks are missing labels, accumulation date and/or are improperly labeled. CCR 66262.34(a)(2); 66262.34(a)(3) & 66262.34(f)
Activity:	Inactive Permit

Permit Number:	119150
Update Date:	11/02/2012
Inspection Date:	01/29/2004

JERRY'S EQUIPMENT, 1025 GRAND AV, SAN MARCOS, CA, 92069 (Continued)

Violation Code:	6HV0208
Violation:	STORAGE AREA: NO WEEKLY INSPECTION
Violation Citation:	Hazardous waste storage area is not being inspected weekly for deteriorated or leaking containers CCR 66265.174
Activity:	Inactive Permit

Permit Number:	119150
Update Date:	11/02/2012
Inspection Date:	01/29/2004
Violation Code:	6HV0215
Violation:	OIL FILTERS IMPROPERLY MANAGED
Violation Citation:	Used oil filters not properly drained, stored, or labeled prior to transport for the purpose of metal reclamation. CCR 66266.130
Activity:	Inactive Permit

Permit Number:	119150
Update Date:	11/02/2012
Inspection Date:	01/29/2004
Violation Code:	6HV0401
Violation:	TRAINING RECORDS UNAVAILABLE
Violation Citation:	Personnel training records are not maintained to document compliance with requirements for current and former employees. CCR 66265.16(d)&(e)
Activity:	Inactive Permit

Permit Number:	119150
Update Date:	11/02/2012
Inspection Date:	08/02/2005
Violation Code:	6HV0204
Violation:	WASTE CONTAINER:IMPROPER MGMT
Violation Citation:	Hazardous waste storage container is not handled or stored in a manner which will prevent leaks or rupture. CCR 66265.173
Activity:	Inactive Permit

Permit Number:	119150
Update Date:	11/02/2012
Inspection Date:	08/02/2005
Violation Code:	6HV0205
Violation:	WASTE CONTAINER: POOR CONDITION
Violation Citation:	Failed to transfer hazardous waste from a container that leaked or was in poor condition to another container in good condition. CCR 66265.171
Activity:	Inactive Permit

Permit Number:	119150
Update Date:	11/02/2012
Inspection Date:	02/22/2007
Violation Code:	6HV0135
Violation:	MANIFESTS/RECEIPTS FOR 3 YEARS NOT ONSIT

JERRY'S EQUIPMENT, 1025 GRAND AV, SAN MARCOS, CA, 92069 (Continued)

Violation Citation:	Hazardous waste manifests/receipts for 3 years are not maintained onsite to document proper disposal of hazardous waste. CCR 66262.40(a) & 25160.2(b)(3)
Activity:	Inactive Permit

Permit Number:	119150
Update Date:	11/02/2012
Inspection Date:	02/22/2007
Violation Code:	6HV0218
Violation:	FILTERS:FUEL/OIL NOT LABELED OR CLOSED
Violation Citation:	Failed to label &/or close drained used oil filters &/or used fuel filters. 25250.22 and 66266.130(c)(3)
Activity:	Inactive Permit

Permit Number:	119150
Update Date:	11/02/2012
Inspection Date:	02/22/2007
Violation Code:	6HV0227
Violation:	HAZWASTE TANK/CONTAINER W/O LABEL/DATE
Violation Citation:	Failed to properly label/date hazardous waste container &/or tank. 66262.34(f)
Activity:	Inactive Permit

Permit Number:	119150
Update Date:	11/02/2012
Inspection Date:	02/22/2007
Violation Code:	6HV0229
Violation:	HW CONTAINERS NOT INSPECTED WEEKLY
Violation Citation:	Failed to conduct weekly inspections. CFR 265.174
Activity:	Inactive Permit

Permit Number:	119150
Update Date:	11/02/2012
Inspection Date:	02/22/2007
Violation Code:	6HV0234
Violation:	FACILITY NOT OPERATED TO MINIM. RELEASE
Violation Citation:	Did not maintain &/or operate facility to prevent release or fire. CFR 265.31
Activity:	Inactive Permit

Permit Number:	119150
Update Date:	11/02/2012
Inspection Date:	02/22/2007
Violation Code:	6HV0407
Violation:	EMPLOYEE TRAINING NOT ADEQUATE
Violation Citation:	Employee training program for small quantity generator of hazardous waste is inadequate. CFR 262.34(d)(5)(iii)
Activity:	Inactive Permit

JERRY'S EQUIPMENT, 1025 GRAND AV, SAN MARCOS, CA, 92069 (Continued)

Permit Number:	119150
Update Date:	11/02/2012
Inspection Date:	06/15/2011
Violation Code:	6HV0301
Violation:	HAZWASTE:UNAUTHORIZED DISPOSAL
Violation Citation:	Disposal or causing the disposal of hazardous waste to an unauthorized point (ground, storm drain, sewer system, trash, or air). HSC 25189.5(a) or 25189(d)
Activity:	Inactive Permit

Permit Number:	119150
Update Date:	11/02/2012
Inspection Date:	06/15/2011
Violation Code:	6HV0304
Violation:	WASTE DETERMINATION NOT MADE
Violation Citation:	Generator of a waste has not determined if that waste is a hazardous waste as defined by law. CCR 66262.11 & 66260.200(c)
Activity:	Inactive Permit

Permit Number:	119150
Update Date:	11/02/2012
Inspection Date:	06/15/2011
Violation Code:	6HV0307
Violation:	ILLEGAL DISPOSAL OF UNIVERSAL WASTE
Violation Citation:	Disposal of universal waste to an unauthorized point. 25189.5(a); SQH:66273.11(a); LQH: 66273.31(a)
Activity:	Inactive Permit

Permit Number:	119150
Update Date:	11/02/2012
Inspection Date:	06/15/2011
Violation Code:	6HV0216
Violation:	HAZMATS WITHOUT PROPER LABELS
Violation Citation:	Hazardous materials have not been adequately labeled within 10 days & are now declared hazardous waste. HSC 25124(b)(3)(A) & 66262.34(f)
Activity:	Inactive Permit

Permit Number:	119150
Update Date:	11/02/2012
Inspection Date:	06/15/2011
Violation Code:	6HV0218
Violation:	FILTERS:FUEL/OIL NOT LABELED OR CLOSED
Violation Citation:	Failed to label &/or close drained used oil filters &/or used fuel filters. 25250.22 and 66266.130(c)(3)
Activity:	Inactive Permit

Permit Number:	119150
Update Date:	11/02/2012

JERRY'S EQUIPMENT, 1025 GRAND AV, SAN MARCOS, CA, 92069 (Continued)

Inspection Date:	06/15/2011
Violation Code:	6HV0226
Violation:	HW NOT ACCUMULATED IN TANK/CONTAINER
Violation Citation:	Did not accumulate waste in container or tank. 66262.34 (d)(2)
Activity:	Inactive Permit

Permit Number:	119150
Update Date:	11/02/2012
Inspection Date:	06/15/2011
Violation Code:	6HV0227
Violation:	HAZWASTE TANK/CONTAINER W/O LABEL/DATE
Violation Citation:	Failed to properly label/date hazardous waste container &/or tank. 66262.34(f)
Activity:	Inactive Permit

Permit Number:	119150
Update Date:	11/02/2012
Inspection Date:	06/15/2011
Violation Code:	6HV0228
Violation:	CONTAINER NOT KEPT CLOSED
Violation Citation:	Failed to keep container closed. CFR 265.173
Activity:	Inactive Permit

Permit Number:	119150
Update Date:	11/02/2012
Inspection Date:	06/15/2011
Violation Code:	6HV0234
Violation:	FACILITY NOT OPERATED TO MINIM. RELEASE
Violation Citation:	Did not maintain &/or operate facility to prevent release or fire. CFR 265.31
Activity:	Inactive Permit

MAP FINDINGS

CITY OF SAN MARCOS 1041 GRAND AVE, SAN MARCOS, CA, 92078			S112991110
Map ID: C31	Distance: NW <1/10 (0 ft. / 0 mi.)	Elevation: Equal Elevation 544 ft. Above Sea Level	Other Ascertainable Records

Worksheet:

Database Details:

HAZNET: Other Ascertainable Records

Name:	CITY OF SAN MARCOS
Address:	1041 GRAND AVE
Address 2:	Not Reported
City,State,Zip:	SAN MARCOS, CA 920782602
Contact:	CARL BLAIDELL
Telephone:	7607592260
Mailing Name:	Not Reported
Mailing Address:	1 CIVIC CENTER DR
Year:	2011
Gepaid:	CAC002672944
TSD EPA ID:	AZC950823111
CA Waste Code:	151 - Asbestos containing waste
Disposal Method:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Tons:	0.4

Additional Info:

Year:	2011
Gen EPA ID:	CAC002672944
Shipment Date:	20110812
Creation Date:	2/7/2012 20:30:12
Receipt Date:	20110822
Manifest ID:	007822262JJK
Trans EPA ID:	CAL000190758
Trans Name:	JANUS CORPORATION
Trans 2 EPA ID:	CAR000049064
Trans 2 Name:	ECTI
TSDF EPA ID:	AZC950823111
Trans Name:	LA PAZ LANDFILL

CITY OF SAN MARCOS, 1041 GRAND AVE, SAN MARCOS, CA, 92078 (Continued)

TSDF Alt EPA ID:	Not Reported
TSDF Alt Name:	Not Reported
Waste Code Description:	151 - Asbestos-containing waste
RCRA Code:	Not Reported
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	0.4
Waste Quantity:	1
Quantity Unit:	Y
Additional Code 1:	Not Reported
Additional Code 2:	Not Reported
Additional Code 3:	Not Reported
Additional Code 4:	Not Reported
Additional Code 5:	Not Reported

HWTS: Other Ascertainable Records

Name:	CITY OF SAN MARCOS
Address:	1041 GRAND AVE
Address 2:	Not Reported
City,State,Zip:	SAN MARCOS, CA 92078
EPA ID:	CAC002672944
Inactive Date:	02/01/2012
Create Date:	08/04/2011
Last Act Date:	Not Reported
Mailing Name:	Not Reported
Mailing Address:	1 CIVIC CENTER DR
Mailing Address 2:	Not Reported
Mailing City,State,Zip:	SAN MARCOS, CA 92069
Owner Name:	CITY OF SAN MARCOS
Owner Address:	1 CIVIC CENTER DR
Owner Address 2:	Not Reported
Owner City,State,Zip:	SAN MARCOS, CA 92069
Contact Name:	CARL BLAIDELL
Contact Address:	1 CIVIC CENTER DR
Contact Address 2:	Not Reported
City,State,Zip:	SAN MARCOS, CA 92069
Facility Status:	Inactive
Facility Type:	TEMPORARY
Category:	STATE
Latitude:	33.1411
Longitude:	-117.18658

MAP FINDINGS

CRIBWALL COMPANY SITE 1023 GRAND AVENUE, SAN MARCOS, CA, 92078			1023350187
Map ID: C32	Distance: NW <1/10 (0 ft. / 0 mi.)	Elevation: Equal Elevation 544 ft. Above Sea Level	Other Ascertainable Records

Worksheet:

Database Details:

FINDS: Other Ascertainable Records

Registry ID:	110066464739
Click Here for FRS Facility Detail Report:	https://ofmpub.epa.gov/frs_public2/fii_query_detail.disp_program_facility?p_registry_id=110066464739

Environmental Interest/Information System:

STATE MASTER

The Click here to access additional FINDS: detail in the EDR Site Report. database contains http://www.edrnet.com/srf2/FinalSiteReport.aspx?ID=2U2tUf1VtL89fp2OVp1ILs2k9k4EpO8iO94bpu8yI.2XUq1ftM7tfI25Vh1HLd3E9A6ApP3MOC3Bpu2CUU2etV1pfp8VVh2uLC6W9C9MpV1WO245pI37IX0CsL3GkRtOk72NUk2At112fR2bVs17L73A9r4TpS4gOg6epj1KIW2qsg9Bk28akC1 additional records for this site. Please contact your EDR Account Executive for more information.

MAP FINDINGS

GRAND AVENUE METAL INDUSTRIAL BUILDINGS 1031 GRAND AVENUE, SAN MARCOS, CA, 92078			1023310698
Map ID: C33	Distance: NW <1/10 (0 ft. / 0 mi.)	Elevation: Equal Elevation 544 ft. Above Sea Level	Other Ascertainable Records

Worksheet:

Database Details:

FINDS: Other Ascertainable Records

Registry ID:	110066035025
Click Here for FRS Facility Detail Report:	https://ofmpub.epa.gov/frs_public2/fii_query_detail.disp_program_facility?p_registry_id=110066035025

Environmental Interest/Information System:

STATE MASTER

The Click here to access additional FINDS: detail in the EDR Site Report. database contains http://www.edrnet.com/srf2/FinalSiteReport.aspx?ID=2U2tUf1VtL89fp2OVp1ILs2k9k4EpO8iO94bpu8yI.2XUq1ftM7tfI25Vh1HLd3E9A6ApP3MOC3Bpu2CUU2etV1pfp8VVh2uLC6W9C9MpV1WO245pI37IX0CsL3GkRtOk72NUk2At112fR2bVs17L73A9r4TpS4gOg2epj1KIW7qsgABk29akC1 additional records for this site. Please contact your EDR Account Executive for more information.

MAP FINDINGS

COMPUTER EDGE AUTOMOTIVE 1051 GRAND AV, SAN MARCOS, CA, 92069			S104755084
Map ID: C34	Distance: NW <1/10 (0 ft. / 0 mi.)	Elevation: Equal Elevation 544 ft. Above Sea Level	Local Lists of Hazardous waste / Contaminated Sites

Worksheet:

Database Details:

HMMD SAN DIEGO: Local Lists of Hazardous waste / Contaminated Sites

Name:	COMPUTER EDGE AUTOMOTIVE
Address:	1051 GRAND AV
City,State,Zip:	SAN MARCOS, CA 92069
Permit Number:	136718
Business Type:	6HK26
EPA Id Number:	CAL000172718
APN:	219-152-70-00
Last HMMD Inspection:	07/25/2000
Facility Telephone:	760-471-7586
Permit Status:	INAC
Permit Expiration:	07/25/2000
Date Last Updated:	11/02/2012
Facility Owner:	ADALBERTO ALVARADO
Facility Mailing Address:	1051 GRAND AV
Facility Mailing City:	SAN MARCOS
Facility Mailing State:	CA
Facility Mailing Zip:	92069-
UST Owner:	Not Reported
Handle Regulated Hazmat:	Not Reported
Own Or Operate UST:	Not Reported
Subject To APSA:	Not Reported
Generate Haz Waste:	Y
Treat Haz Waste:	Not Reported
Generate Medical Waste:	Not Reported

Name:	THE ENGINE KING
Address:	1051 GRAND AV
City,State,Zip:	SAN MARCOS, CA 92069
Permit Number:	135590
Business Type:	6HK26
EPA Id Number:	Not Reported
APN:	219-152-70-00
Last HMMD Inspection:	02/28/1996
Facility Telephone:	619-744-6288
Permit Status:	INAC

COMPUTER EDGE AUTOMOTIVE, 1051 GRAND AV, SAN MARCOS, CA, 92069 (Continued)

Permit Expiration:	02/28/1996
Date Last Updated:	11/02/2012
Facility Owner:	CHARLES DYNES
Facility Mailing Address:	1051 GRAND AV
Facility Mailing City:	SAN MARCOS
Facility Mailing State:	CA
Facility Mailing Zip:	92069-
UST Owner:	Not Reported
Handle Regulated Hazmat:	Not Reported
Own Or Operate UST:	Not Reported
Subject To APSA:	Not Reported
Generate Haz Waste:	Y
Treat Haz Waste:	Not Reported
Generate Medical Waste:	Not Reported

MAP FINDINGS

JOHNS MOBILE 1049 GRAND AVE, SAN MARCOS, CA, 920782602			S106059851
Map ID: C35	Distance: NW <1/10 (0 ft. / 0 mi.)	Elevation: Equal Elevation 544 ft. Above Sea Level	Local Lists of Hazardous waste / Contaminated Sites Other Ascertainable Records

Worksheet:

Database Details:

HMMD SAN DIEGO: Local Lists of Hazardous waste / Contaminated Sites

Name:	ROBERT MADDOCKS
Address:	1049 GRAND AV
City,State,Zip:	SAN MARCOS, CA 92069
Permit Number:	101663
Business Type:	6HK26
EPA Id Number:	CAL000224590
APN:	219-152-70-00
Last HMMD Inspection:	03/27/2003
Facility Telephone:	760-736-4829
Permit Status:	INAC
Permit Expiration:	01/31/2004
Date Last Updated:	11/02/2012
Facility Owner:	ROBERT MADDOCKS
Facility Mailing Address:	1049 GRAND AV
Facility Mailing City:	SAN MARCOS
Facility Mailing State:	CA
Facility Mailing Zip:	92069-
UST Owner:	Not Reported
Handle Regulated Hazmat:	Not Reported
Own Or Operate UST:	Not Reported
Subject To APSA:	Not Reported
Generate Haz Waste:	Y
Treat Haz Waste:	Not Reported
Generate Medical Waste:	Not Reported

HAZNET: Other Ascertainable Records

Name:	JOHNS MOBILE
Address:	1049 GRAND AVE
Address 2:	Not Reported
City,State,Zip:	SAN MARCOS, CA 920782602
Contact:	JOHN VONHORENBURG
Telephone:	7602335910
Mailing Name:	Not Reported

JOHNS MOBILE, 1049 GRAND AVE, SAN MARCOS, CA, 920782602 (Continued)

Mailing Address:	140 N ANDREASEN DR
Year:	2015
Gepaid:	CAL000339981
TSD EPA ID:	CAD028409019
CA Waste Code:	134 - Aqueous solution with total organic residues less than 10 percent
Disposal Method:	H135 - Discharge To Sewer/Potw Or Npdes(With Prior Storage--With Or Without Treatment)
Tons:	0.462
Year:	2015
Gepaid:	CAL000339981
TSD EPA ID:	AZR000501510
CA Waste Code:	181 - Other inorganic solid waste
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	1.75
Additional Info:	
Year:	2015
Gen EPA ID:	CAL000339981
Shipment Date:	20150827
Creation Date:	11/5/2015 22:15:17
Receipt Date:	20150903
Manifest ID:	009680055JJK
Trans EPA ID:	CAR000235960
Trans Name:	EVR ENVIRONMENTAL INC
Trans 2 EPA ID:	Not Reported
Trans 2 Name:	Not Reported
TSDF EPA ID:	CAD028409019
Trans Name:	CROSBY & OVERTON
TSDF Alt EPA ID:	Not Reported
TSDF Alt Name:	Not Reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	Not Reported
Meth Code:	H135 - Discharge To Sewer/Potw Or Npdes(With Prior Storage--With Or Without Treatment)
Quantity Tons:	0.462
Waste Quantity:	110
Quantity Unit:	G
Additional Code 1:	Not Reported
Additional Code 2:	Not Reported
Additional Code 3:	Not Reported

JOHNS MOBILE, 1049 GRAND AVE, SAN MARCOS, CA, 920782602 (Continued)

Additional Code 4:	Not Reported
Additional Code 5:	Not Reported

Shipment Date:	20150827
Creation Date:	2/11/2016 22:15:11
Receipt Date:	20150903
Manifest ID:	009680054JJK
Trans EPA ID:	CAR000235960
Trans Name:	EVR ENVIRONMENTAL INC
Trans 2 EPA ID:	CAD980585293
Trans 2 Name:	INDUSTRIAL WASTE UTILIZATION INC
TSDF EPA ID:	AZR000501510
Trans Name:	AA SYDCOL LLC
TSDF Alt EPA ID:	Not Reported
TSDF Alt Name:	Not Reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	Not Reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	1.75
Waste Quantity:	3500
Quantity Unit:	P
Additional Code 1:	Not Reported
Additional Code 2:	Not Reported
Additional Code 3:	Not Reported
Additional Code 4:	Not Reported
Additional Code 5:	Not Reported

HWTS: Other Ascertainable Records

Name:	JOHNS MOBILE
Address:	1049 GRAND AVE
Address 2:	Not Reported
City,State,Zip:	SAN MARCOS, CA 92078
EPA ID:	CAL000339981
Inactive Date:	06/30/2015
Create Date:	01/22/2009
Last Act Date:	Not Reported
Mailing Name:	Not Reported
Mailing Address:	140 N ANDREASEN DR
Mailing Address 2:	Not Reported
Mailing City,State,Zip:	ESCONDIDO, CA 920290000
Owner Name:	JOHN VONHORENBURG
Owner Address:	1106 2ND ST
Owner Address 2:	Not Reported
Owner City,State,Zip:	ENCINITAS, CA 920245008
Contact Name:	JOHN VONHORENBURG

JOHNS MOBILE, 1049 GRAND AVE, SAN MARCOS, CA, 920782602 (Continued)

Contact Address:	140 N ANDREASEN DR
Contact Address 2:	Not Reported
City,State,Zip:	ESCONDIDO, CA 92029
Facility Status:	Inactive
Facility Type:	PERMANENT
Category:	STATE
Latitude:	33.14116
Longitude:	-117.18674
NAICS:	

EPA ID:	CAL000339981
Create Date:	2009-01-22 14:17:35.617
NAICS Code:	811111
NAICS Description:	General Automotive Repair
Issued EPA ID Date:	2009-01-22 14:17:35.60000
Inactive Date:	2015-06-30 00:00:00
Facility Name:	JOHNS MOBILE
Facility Address:	1049 GRAND AVE
Facility Address 2:	Not Reported
Facility City:	SAN MARCOS
Facility County:	Not Reported
Facility State:	CA
Facility Zip:	920782602

MAP FINDINGS

CITY OF SAN MARCOS 1023 GRAND AVE, SAN MARCOS, CA, 92078			S112988309
Map ID: C36	Distance: NW <1/10 (0 ft. / 0 mi.)	Elevation: Equal Elevation 544 ft. Above Sea Level	Other Ascertainable Records

Worksheet:

Database Details:

HAZNET: Other Ascertainable Records

Name:	CITY OF SAN MARCOS
Address:	1023 GRAND AVE
Address 2:	Not Reported
City,State,Zip:	SAN MARCOS, CA 920782602
Contact:	CARL BLAISDELL EXT 3240
Telephone:	7607441050
Mailing Name:	Not Reported
Mailing Address:	1 CIVIC CENTER DR
Year:	2011
Gepaid:	CAC002669308
TSD EPA ID:	CAD982444481
CA Waste Code:	222 - Oil/water separation sludge
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.5
Year:	2011
Gepaid:	CAC002669308
TSD EPA ID:	CAD982444481
CA Waste Code:	221 - Waste oil and mixed oil
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	2.09
Year:	2011
Gepaid:	CAC002669308
TSD EPA ID:	CAD982444481
CA Waste Code:	352 - Other organic solids
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	3.05
Year:	2011

CITY OF SAN MARCOS, 1023 GRAND AVE, SAN MARCOS, CA, 92078 (Continued)

Gepaid:	CAC002669308
TSD EPA ID:	CAD008353405
CA Waste Code:	331 - Off-specification, aged or surplus organics
Disposal Method:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Tons:	0.5945

Year:	2011
Gepaid:	CAC002669308
TSD EPA ID:	CAD008364432
CA Waste Code:	331 - Off-specification, aged or surplus organics
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.383

Year:	2011
Gepaid:	CAC002669308
TSD EPA ID:	CAD008364432
CA Waste Code:	214 - Unspecified solvent mixture
Disposal Method:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Tons:	1.05

Year:	2011
Gepaid:	CAC002669308
TSD EPA ID:	CAD008353405
CA Waste Code:	331 - Off-specification, aged or surplus organics
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.015

Year:	2011
Gepaid:	CAC002669308
TSD EPA ID:	CAD982444481
CA Waste Code:	491 - Unspecified sludge waste
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.1225

Additional Info:

Year:	2011
Gen EPA ID:	CAC002669308

Shipment Date:	20110624
Creation Date:	8/26/2011 18:30:30
Receipt Date:	20110629

CITY OF SAN MARCOS, 1023 GRAND AVE, SAN MARCOS, CA, 92078 (Continued)

Manifest ID:	005734156JJK
Trans EPA ID:	CAR000201095
Trans Name:	PHOENIX ENVIRONMENTAL ENGINEERING & CONSTRUCTION INC
Trans 2 EPA ID:	Not Reported
Trans 2 Name:	Not Reported
TSDF EPA ID:	CAD982444481
Trans Name:	FILTER RECYCLING SERVICES INC
TSDF Alt EPA ID:	Not Reported
TSDF Alt Name:	Not Reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not Reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	1
Waste Quantity:	2000
Quantity Unit:	P
Additional Code 1:	Not Reported
Additional Code 2:	Not Reported
Additional Code 3:	Not Reported
Additional Code 4:	Not Reported
Additional Code 5:	Not Reported

Shipment Date:	20110624
Creation Date:	12/20/2011 18:30:15
Receipt Date:	20110629
Manifest ID:	005734161JJK
Trans EPA ID:	CAR000201095
Trans Name:	PHOENIX ENVIRONMENTAL ENGINEERING & CONSTRUCTION INC
Trans 2 EPA ID:	Not Reported
Trans 2 Name:	Not Reported
TSDF EPA ID:	CAD008353405
Trans Name:	PACIFIC RESOURCE RECOVERY
TSDF Alt EPA ID:	Not Reported
TSDF Alt Name:	Not Reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	D001
Meth Code:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Quantity Tons:	0.1815
Waste Quantity:	55
Quantity Unit:	G
Additional Code 1:	Not Reported
Additional Code 2:	Not Reported
Additional Code 3:	Not Reported
Additional Code 4:	Not Reported
Additional Code 5:	Not Reported

Shipment Date:	20110624

CITY OF SAN MARCOS, 1023 GRAND AVE, SAN MARCOS, CA, 92078 (Continued)

Creation Date:	8/26/2011 18:30:30
Receipt Date:	20110629
Manifest ID:	005734156JJK
Trans EPA ID:	CAR000201095
Trans Name:	PHOENIX ENVIRONMENTAL ENGINEERING & CONSTRUCTION INC
Trans 2 EPA ID:	Not Reported
Trans 2 Name:	Not Reported
TSDF EPA ID:	CAD982444481
Trans Name:	FILTER RECYCLING SERVICES INC
TSDF Alt EPA ID:	Not Reported
TSDF Alt Name:	Not Reported
Waste Code Description:	221 - Waste oil and mixed oil
RCRA Code:	Not Reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	1.045
Waste Quantity:	275
Quantity Unit:	G
Additional Code 1:	Not Reported
Additional Code 2:	Not Reported
Additional Code 3:	Not Reported
Additional Code 4:	Not Reported
Additional Code 5:	Not Reported

Shipment Date:	20110624
Creation Date:	8/26/2011 18:30:30
Receipt Date:	20110629
Manifest ID:	005734156JJK
Trans EPA ID:	CAR000201095
Trans Name:	PHOENIX ENVIRONMENTAL ENGINEERING & CONSTRUCTION INC
Trans 2 EPA ID:	Not Reported
Trans 2 Name:	Not Reported
TSDF EPA ID:	CAD982444481
Trans Name:	FILTER RECYCLING SERVICES INC
TSDF Alt EPA ID:	Not Reported
TSDF Alt Name:	Not Reported
Waste Code Description:	221 - Waste oil and mixed oil
RCRA Code:	Not Reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	1.045
Waste Quantity:	275
Quantity Unit:	G
Additional Code 1:	Not Reported
Additional Code 2:	Not Reported
Additional Code 3:	Not Reported
Additional Code 4:	Not Reported
Additional Code 5:	Not Reported

CITY OF SAN MARCOS, 1023 GRAND AVE, SAN MARCOS, CA, 92078 (Continued)

Shipment Date:	20110624
Creation Date:	8/26/2011 18:30:30
Receipt Date:	20110629
Manifest ID:	005734157JJK
Trans EPA ID:	CAR000201095
Trans Name:	PHOENIX ENVIRONMENTAL ENGINEERING & CONSTRUCTION INC
Trans 2 EPA ID:	Not Reported
Trans 2 Name:	Not Reported
TSDF EPA ID:	CAD982444481
Trans Name:	FILTER RECYCLING SERVICES INC
TSDF Alt EPA ID:	Not Reported
TSDF Alt Name:	Not Reported
Waste Code Description:	222 - Oil/water separation sludge
RCRA Code:	Not Reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.2
Waste Quantity:	400
Quantity Unit:	P
Additional Code 1:	Not Reported
Additional Code 2:	Not Reported
Additional Code 3:	Not Reported
Additional Code 4:	Not Reported
Additional Code 5:	Not Reported

Shipment Date:	20110624
Creation Date:	8/26/2011 18:30:30
Receipt Date:	20110629
Manifest ID:	005734157JJK
Trans EPA ID:	CAR000201095
Trans Name:	PHOENIX ENVIRONMENTAL ENGINEERING & CONSTRUCTION INC
Trans 2 EPA ID:	Not Reported
Trans 2 Name:	Not Reported
TSDF EPA ID:	CAD982444481
Trans Name:	FILTER RECYCLING SERVICES INC
TSDF Alt EPA ID:	Not Reported
TSDF Alt Name:	Not Reported
Waste Code Description:	222 - Oil/water separation sludge
RCRA Code:	Not Reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.3
Waste Quantity:	600
Quantity Unit:	P
Additional Code 1:	Not Reported
Additional Code 2:	Not Reported

CITY OF SAN MARCOS, 1023 GRAND AVE, SAN MARCOS, CA, 92078 (Continued)

Additional Code 3:	Not Reported
Additional Code 4:	Not Reported
Additional Code 5:	Not Reported

Shipment Date:	20110624
Creation Date:	8/26/2011 18:30:30
Receipt Date:	20110629
Manifest ID:	005734157JJK
Trans EPA ID:	CAR000201095
Trans Name:	PHOENIX ENVIRONMENTAL ENGINEERING & CONSTRUCTION INC
Trans 2 EPA ID:	Not Reported
Trans 2 Name:	Not Reported
TSDF EPA ID:	CAD982444481
Trans Name:	FILTER RECYCLING SERVICES INC
TSDF Alt EPA ID:	Not Reported
TSDF Alt Name:	Not Reported
Waste Code Description:	491 - Unspecified sludge waste
RCRA Code:	Not Reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.1225
Waste Quantity:	245
Quantity Unit:	P
Additional Code 1:	Not Reported
Additional Code 2:	Not Reported
Additional Code 3:	Not Reported
Additional Code 4:	Not Reported
Additional Code 5:	Not Reported

Shipment Date:	20110624
Creation Date:	8/26/2011 18:30:30
Receipt Date:	20110629
Manifest ID:	005734157JJK
Trans EPA ID:	CAR000201095
Trans Name:	PHOENIX ENVIRONMENTAL ENGINEERING & CONSTRUCTION INC
Trans 2 EPA ID:	Not Reported
Trans 2 Name:	Not Reported
TSDF EPA ID:	CAD982444481
Trans Name:	FILTER RECYCLING SERVICES INC
TSDF Alt EPA ID:	Not Reported
TSDF Alt Name:	Not Reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not Reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.8
Waste Quantity:	1600

CITY OF SAN MARCOS, 1023 GRAND AVE, SAN MARCOS, CA, 92078 (Continued)

Quantity Unit:	P
Additional Code 1:	Not Reported
Additional Code 2:	Not Reported
Additional Code 3:	Not Reported
Additional Code 4:	Not Reported
Additional Code 5:	Not Reported

Shipment Date:	20110624
Creation Date:	8/26/2011 18:30:44
Receipt Date:	20110629
Manifest ID:	005734159JJK
Trans EPA ID:	CAR000201095
Trans Name:	PHOENIX ENVIRONMENTAL ENGINEERING & CONSTRUCTION INC
Trans 2 EPA ID:	Not Reported
Trans 2 Name:	Not Reported
TSDF EPA ID:	CAD008364432
Trans Name:	RHO-CHEM LLC
TSDF Alt EPA ID:	Not Reported
TSDF Alt Name:	Not Reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	Not Reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.363
Waste Quantity:	110
Quantity Unit:	G
Additional Code 1:	Not Reported
Additional Code 2:	Not Reported
Additional Code 3:	Not Reported
Additional Code 4:	Not Reported
Additional Code 5:	Not Reported

Shipment Date:	20110624
Creation Date:	8/26/2011 18:30:44
Receipt Date:	20110629
Manifest ID:	005734159JJK
Trans EPA ID:	CAR000201095
Trans Name:	PHOENIX ENVIRONMENTAL ENGINEERING & CONSTRUCTION INC
Trans 2 EPA ID:	Not Reported
Trans 2 Name:	Not Reported
TSDF EPA ID:	CAD008364432
Trans Name:	RHO-CHEM LLC
TSDF Alt EPA ID:	Not Reported
TSDF Alt Name:	Not Reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	D016
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery

CITY OF SAN MARCOS, 1023 GRAND AVE, SAN MARCOS, CA, 92078 (Continued)

	(H010-H129) Or (H131-H135)
Quantity Tons:	0.01
Waste Quantity:	20
Quantity Unit:	P
Additional Code 1:	Not Reported
Additional Code 2:	Not Reported
Additional Code 3:	Not Reported
Additional Code 4:	Not Reported
Additional Code 5:	Not Reported

HWTS: Other Ascertainable Records

Name:	CITY OF SAN MARCOS
Address:	1023 GRAND AVE
Address 2:	Not Reported
City,State,Zip:	SAN MARCOS, CA 92078
EPA ID:	CAC002669308
Inactive Date:	12/14/2011
Create Date:	06/16/2011
Last Act Date:	Not Reported
Mailing Name:	Not Reported
Mailing Address:	1 CIVIC CENTER DR
Mailing Address 2:	Not Reported
Mailing City,State,Zip:	SAN MARCOS, CA 92069
Owner Name:	CITY OF SAN MARCOS
Owner Address:	1 CIVIC CENTER DR
Owner Address 2:	Not Reported
Owner City,State,Zip:	SAN MARCOS, CA 92069
Contact Name:	CARL BLAISDELL EXT 3240
Contact Address:	1 CIVIC CENTER DR
Contact Address 2:	Not Reported
City,State,Zip:	SAN MARCOS, CA 92069
Facility Status:	Inactive
Facility Type:	TEMPORARY
Category:	STATE
Latitude:	33.140568
Longitude:	-117.187363

MAP FINDINGS

AUTO TUNE 931A GRAND AVE, SAN MARCOS, CA, 92078			S113041687
Map ID: E37	Distance: E <1/10 (0 ft. / 0 mi.)	Elevation: 3 ft. Higher Elevation 547 ft. Above Sea Level	Other Ascertainable Records

Worksheet:

Database Details:

HAZNET: Other Ascertainable Records

Name:	AUTO TUNE
Address:	931A GRAND AVE
Address 2:	Not Reported
City,State,Zip:	SAN MARCOS, CA 920782601
Contact:	ALBERT CERDA JR
Telephone:	7607440303
Mailing Name:	Not Reported
Mailing Address:	931A GRAND AVE
Year:	2004
Gepaid:	CAL000048797
TSD EPA ID:	CAT000613893
CA Waste Code:	134 - Aqueous solution with total organic residues less than 10 percent
Disposal Method:	H01 - Transfer Station
Tons:	0.0378
Year:	2003
Gepaid:	CAL000048797
TSD EPA ID:	CAT000613893
CA Waste Code:	134 - Aqueous solution with total organic residues less than 10 percent
Disposal Method:	H01 - Transfer Station
Tons:	0.0378
Year:	1996
Gepaid:	CAL000048797
TSD EPA ID:	CAD981696420
CA Waste Code:	134 - Aqueous solution with total organic residues less than 10 percent
Disposal Method:	H01 - Transfer Station
Tons:	0.231
Year:	1995
Gepaid:	CAL000048797
TSD EPA ID:	CAD981696420
CA Waste Code:	134 - Aqueous solution with total organic residues less than 10 percent

AUTO TUNE, 931A GRAND AVE, SAN MARCOS, CA, 92078 (Continued)

Disposal Method:	H01 - Transfer Station
Tons:	0.231

Additional Info:

Year:	2004
Gen EPA ID:	CAL000048797
Shipment Date:	20040417
Creation Date:	10/14/2004 15:19:37
Receipt Date:	20040421
Manifest ID:	23462594
Trans EPA ID:	TXR000050930
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not Reported
Trans 2 Name:	Not Reported
TSDF EPA ID:	CAT000613893
Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	CAT000613893
TSDF Alt Name:	Not Reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	D039
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.021
Waste Quantity:	5
Quantity Unit:	G
Additional Code 1:	Not Reported
Additional Code 2:	Not Reported
Additional Code 3:	Not Reported
Additional Code 4:	Not Reported
Additional Code 5:	Not Reported
Shipment Date:	20040127
Creation Date:	8/19/2004 11:23:00
Receipt Date:	20040129
Manifest ID:	22572814
Trans EPA ID:	TXR000050930
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not Reported
Trans 2 Name:	Not Reported
TSDF EPA ID:	CAT000613893
Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	CAT000613893
TSDF Alt Name:	Not Reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues

AUTO TUNE, 931A GRAND AVE, SAN MARCOS, CA, 92078 (Continued)

RCRA Code:	D039
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.0168
Waste Quantity:	4
Quantity Unit:	G
Additional Code 1:	Not Reported
Additional Code 2:	Not Reported
Additional Code 3:	Not Reported
Additional Code 4:	Not Reported
Additional Code 5:	Not Reported

Additional Info:

Year:	2003
Gen EPA ID:	CAL000048797

Shipment Date:	20031023
Creation Date:	8/3/2004 15:03:33
Receipt Date:	20031031
Manifest ID:	22520898
Trans EPA ID:	TXR000050930
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not Reported
Trans 2 Name:	Not Reported
TSDF EPA ID:	CAT000613893
Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	CAT000613893
TSDF Alt Name:	Not Reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	D039
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.0168
Waste Quantity:	4
Quantity Unit:	G
Additional Code 1:	Not Reported
Additional Code 2:	Not Reported
Additional Code 3:	Not Reported
Additional Code 4:	Not Reported
Additional Code 5:	Not Reported

Shipment Date:	20030729
Creation Date:	7/23/2004 13:22:40
Receipt Date:	20030731
Manifest ID:	22879471
Trans EPA ID:	TXR000050930
Trans Name:	Not Reported

AUTO TUNE, 931A GRAND AVE, SAN MARCOS, CA, 92078 (Continued)

Trans 2 EPA ID:	Not Reported
Trans 2 Name:	Not Reported
TSDF EPA ID:	CAT000613893
Trans Name:	Not Reported
TSDF Alt EPA ID:	CAT000613893
TSDF Alt Name:	Not Reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	D039
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.021
Waste Quantity:	5
Quantity Unit:	G
Additional Code 1:	Not Reported
Additional Code 2:	Not Reported
Additional Code 3:	Not Reported
Additional Code 4:	Not Reported
Additional Code 5:	Not Reported

Additional Info:

Year:	1996
Gen EPA ID:	CAL000048797

Shipment Date:	19960530
Creation Date:	5/20/1997 0:00:00
Receipt Date:	19960530
Manifest ID:	95854477
Trans EPA ID:	CAL000027724
Trans Name:	Not Reported
Trans 2 EPA ID:	Not Reported
Trans 2 Name:	Not Reported
TSDF EPA ID:	CAD981696420
Trans Name:	Not Reported
TSDF Alt EPA ID:	Not Reported
TSDF Alt Name:	Not Reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	Not Reported
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.231
Waste Quantity:	55
Quantity Unit:	G
Additional Code 1:	Not Reported
Additional Code 2:	Not Reported
Additional Code 3:	Not Reported
Additional Code 4:	Not Reported
Additional Code 5:	Not Reported

AUTO TUNE, 931A GRAND AVE, SAN MARCOS, CA, 92078 (Continued)

Additional Info:

Year:	1995
Gen EPA ID:	CAL000048797
Shipment Date:	19950614
Creation Date:	10/24/1995 0:00:00
Receipt Date:	19950616
Manifest ID:	95288392
Trans EPA ID:	CAL000027724
Trans Name:	Not Reported
Trans 2 EPA ID:	Not Reported
Trans 2 Name:	Not Reported
TSDF EPA ID:	CAD981696420
Trans Name:	Not Reported
TSDF Alt EPA ID:	Not Reported
TSDF Alt Name:	Not Reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	Not Reported
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.231
Waste Quantity:	55
Quantity Unit:	G
Additional Code 1:	Not Reported
Additional Code 2:	Not Reported
Additional Code 3:	Not Reported
Additional Code 4:	Not Reported
Additional Code 5:	Not Reported

HWTS: Other Ascertainable Records

Name:	AUTO TUNE
Address:	931A GRAND AVE
Address 2:	Not Reported
City,State,Zip:	SAN MARCOS, CA 92078
EPA ID:	CAL000048797
Inactive Date:	06/30/2010
Create Date:	06/25/1991
Last Act Date:	Not Reported
Mailing Name:	Not Reported
Mailing Address:	931A GRAND AVE
Mailing Address 2:	Not Reported
Mailing City,State,Zip:	SAN MARCOS, CA 920782601
Owner Name:	ALBERT CERDA JR
Owner Address:	931A GRAND AVE

AUTO TUNE, 931A GRAND AVE, SAN MARCOS, CA, 92078 (Continued)

Owner Address 2:	Not Reported
Owner City,State,Zip:	SAN MARCOS, CA 920782601
Contact Name:	ALBERT CERDA JR
Contact Address:	931A GRAND AVE
Contact Address 2:	Not Reported
City,State,Zip:	SAN MARCOS, CA 920782601
Facility Status:	Inactive
Facility Type:	PERMANENT
Category:	STATE
Latitude:	33.140343
Longitude:	-117.184579
NAICS:	

EPA ID:	CAL000048797
Create Date:	2002-03-14 16:36:27.000
NAICS Code:	811111
NAICS Description:	General Automotive Repair
Issued EPA ID Date:	1991-06-25 00:00:00
Inactive Date:	2010-06-30 00:00:00
Facility Name:	AUTO TUNE
Facility Address:	931A GRAND AVE
Facility Address 2:	Not Reported
Facility City:	SAN MARCOS
Facility County:	Not Reported
Facility State:	CA
Facility Zip:	920782601

MAP FINDINGS

CONCRETE SPECIALTIES 1025 GRAND AVE, SAN MARCOS, CA, 92069			S112908646
Map ID: C38	Distance: NW <1/10 (0 ft. / 0 mi.)	Elevation: Equal Elevation 544 ft. Above Sea Level	Other Ascertainable Records

Worksheet:

Database Details:

HAZNET: Other Ascertainable Records

Name:	CONCRETE SPECIALTIES
Address:	1025 GRAND AVE
Address 2:	Not Reported
City,State,Zip:	SAN MARCOS, CA 920690000
Contact:	AMANDA/RECP/
Telephone:	7604715700
Mailing Name:	Not Reported
Mailing Address:	1025 GRAND AVE
Year:	2000
Gepaid:	CAC002275625
TSD EPA ID:	CAD028409019
CA Waste Code:	352 - Other organic solids
Disposal Method:	H01 - Transfer Station
Tons:	0.3

Additional Info:

Year:	2000
Gen EPA ID:	CAC002275625
Shipment Date:	20000214
Creation Date:	6/7/2000 0:00:00
Receipt Date:	20000317
Manifest ID:	99887463
Trans EPA ID:	CAD982413262
Trans Name:	Not Reported
Trans 2 EPA ID:	Not Reported
Trans 2 Name:	Not Reported
TSDF EPA ID:	CAD028409019
Trans Name:	Not Reported
TSDF Alt EPA ID:	CAD028409019

CONCRETE SPECIALTIES, 1025 GRAND AVE, SAN MARCOS, CA, 92069 (Continued)

TSDF Alt Name:	Not Reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not Reported
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.3
Waste Quantity:	600
Quantity Unit:	P
Additional Code 1:	Not Reported
Additional Code 2:	Not Reported
Additional Code 3:	Not Reported
Additional Code 4:	Not Reported
Additional Code 5:	Not Reported

HWTS: Other Ascertainable Records

Name:	CONCRETE SPECIALTIES
Address:	1025 GRAND AVE
Address 2:	Not Reported
City,State,Zip:	SAN MARCOS, CA 92069
EPA ID:	CAC002275625
Inactive Date:	10/25/2000
Create Date:	02/14/2000
Last Act Date:	Not Reported
Mailing Name:	Not Reported
Mailing Address:	1025 GRAND AVE
Mailing Address 2:	Not Reported
Mailing City,State,Zip:	SAN MARCOS, CA 920690000
Owner Name:	CONCRETE SPECIALTIES
Owner Address:	1025 GRAND AVE
Owner Address 2:	Not Reported
Owner City,State,Zip:	SAN MARCOS, CA 920690000
Contact Name:	AMANDA/RECP/
Contact Address:	1025 GRAND AVE
Contact Address 2:	Not Reported
City,State,Zip:	SAN MARCOS, CA 920690000
Facility Status:	Inactive
Facility Type:	TEMPORARY
Category:	STATE
Latitude:	33.140248
Longitude:	-117.184103

MAP FINDINGS

K & K TRANSMISSION 1031 GRAND AVE, SAN MARCOS, CA, 92069			S113063620
Map ID: C39	Distance: NW <1/10 (0 ft. / 0 mi.)	Elevation: Equal Elevation 544 ft. Above Sea Level	Other Ascertainable Records

Worksheet:

Database Details:

HAZNET: Other Ascertainable Records

Name:	K & K TRANSMISSION
Address:	1031 GRAND AVE
Address 2:	Not Reported
City,State,Zip:	SAN MARCOS, CA 920690000
Contact:	ANGIE KOONG
Telephone:	--
Mailing Name:	Not Reported
Mailing Address:	1031 GRAND AVE
Year:	1996
Gepaid:	CAL000111915
TSD EPA ID:	CAT080013352
CA Waste Code:	223 - Unspecified oil-containing waste
Disposal Method:	R01 - Recycler
Tons:	3.9615
Year:	1996
Gepaid:	CAL000111915
TSD EPA ID:	CAD008252405
CA Waste Code:	491 - Unspecified sludge waste
Disposal Method:	R01 - Recycler
Tons:	0.1042
Year:	1996
Gepaid:	CAL000111915
TSD EPA ID:	CAT080022148
CA Waste Code:	223 - Unspecified oil-containing waste
Disposal Method:	H01 - Transfer Station
Tons:	0.25
Year:	1995
Gepaid:	CAL000111915
TSD EPA ID:	CAD000088252
CA Waste Code:	352 - Other organic solids

K & K TRANSMISSION, 1031 GRAND AVE, SAN MARCOS, CA, 92069 (Continued)

Disposal Method:	H01 - Transfer Station
Tons:	0.225

Additional Info:

Year:	1996
Gen EPA ID:	CAL000111915
Shipment Date:	19961031
Creation Date:	5/20/1997 0:00:00
Receipt Date:	19961101
Manifest ID:	96349415
Trans EPA ID:	CAL000827847
Trans Name:	Not Reported
Trans 2 EPA ID:	CAD028277036
Trans 2 Name:	Not Reported
TSDF EPA ID:	CAD008252405
Trans Name:	Not Reported
TSDF Alt EPA ID:	Not Reported
TSDF Alt Name:	Not Reported
Waste Code Description:	491 - Unspecified sludge waste
RCRA Code:	Not Reported
Meth Code:	R01 - Recycler
Quantity Tons:	0.1042
Waste Quantity:	25
Quantity Unit:	G
Additional Code 1:	Not Reported
Additional Code 2:	Not Reported
Additional Code 3:	Not Reported
Additional Code 4:	Not Reported
Additional Code 5:	Not Reported
Shipment Date:	19961016
Creation Date:	5/20/1997 0:00:00
Receipt Date:	19961018
Manifest ID:	95228028
Trans EPA ID:	CAD982525024
Trans Name:	Not Reported
Trans 2 EPA ID:	Not Reported
Trans 2 Name:	Not Reported
TSDF EPA ID:	CAT080013352
Trans Name:	Not Reported
TSDF Alt EPA ID:	Not Reported
TSDF Alt Name:	Not Reported
Waste Code Description:	223 - Unspecified oil-containing waste

K & K TRANSMISSION, 1031 GRAND AVE, SAN MARCOS, CA, 92069 (Continued)

RCRA Code:	D001
Meth Code:	R01 - Recycler
Quantity Tons:	3.9615
Waste Quantity:	950
Quantity Unit:	G
Additional Code 1:	Not Reported
Additional Code 2:	Not Reported
Additional Code 3:	Not Reported
Additional Code 4:	Not Reported
Additional Code 5:	Not Reported

Shipment Date:	19960201
Creation Date:	10/10/1996 0:00:00
Receipt Date:	19960205
Manifest ID:	93494263
Trans EPA ID:	CAD076548635
Trans Name:	Not Reported
Trans 2 EPA ID:	Not Reported
Trans 2 Name:	Not Reported
TSDF EPA ID:	CAT080022148
Trans Name:	Not Reported
TSDF Alt EPA ID:	CAT080022148
TSDF Alt Name:	Not Reported
Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	Not Reported
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.25
Waste Quantity:	500
Quantity Unit:	P
Additional Code 1:	Not Reported
Additional Code 2:	Not Reported
Additional Code 3:	Not Reported
Additional Code 4:	Not Reported
Additional Code 5:	Not Reported

Additional Info:

Year:	1995
Gen EPA ID:	CAL000111915

Shipment Date:	19950427
Creation Date:	10/24/1995 0:00:00
Receipt Date:	19950428
Manifest ID:	93494089
Trans EPA ID:	CAD981685886
Trans Name:	Not Reported

K & K TRANSMISSION, 1031 GRAND AVE, SAN MARCOS, CA, 92069 (Continued)

Trans 2 EPA ID:	Not Reported
Trans 2 Name:	Not Reported
TSDF EPA ID:	CAD000088252
Trans Name:	Not Reported
TSDF Alt EPA ID:	Not Reported
TSDF Alt Name:	Not Reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not Reported
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.225
Waste Quantity:	450
Quantity Unit:	P
Additional Code 1:	Not Reported
Additional Code 2:	Not Reported
Additional Code 3:	Not Reported
Additional Code 4:	Not Reported
Additional Code 5:	Not Reported

HWTS: Other Ascertainable Records

Name:	K & K TRANSMISSION
Address:	1031 GRAND AVE
Address 2:	Not Reported
City,State,Zip:	SAN MARCOS, CA 92069
EPA ID:	CAL000111915
Inactive Date:	06/01/1997
Create Date:	03/18/1994
Last Act Date:	Not Reported
Mailing Name:	Not Reported
Mailing Address:	1031 GRAND AVE
Mailing Address 2:	Not Reported
Mailing City,State,Zip:	SAN MARCOS, CA 920690000
Owner Name:	LING KOONG
Owner Address:	Not Reported
Owner Address 2:	Not Reported
Owner City,State,Zip:	Not Reported
Contact Name:	ANGIE KOONG
Contact Address:	1031 GRAND AVE
Contact Address 2:	Not Reported
City,State,Zip:	SAN MARCOS, CA
Facility Status:	Inactive
Facility Type:	PERMANENT
Category:	STATE
Latitude:	33.140305
Longitude:	-117.184263

MAP FINDINGS

AMERICAN FENCE CO 1075 GRAND AV, SAN MARCOS, CA, 920692602			S104745932
Map ID: C40	Distance: NW <1/10 (74 ft. / 0.014 mi.)	Elevation: Equal Elevation 544 ft. Above Sea Level	Lists of state and tribal leaking storage tanks Local Lists of Hazardous waste / Contaminated Sites Other Ascertainable Records

Worksheet:

Database Details:

SAN DIEGO CO. SAM: Lists of state and tribal leaking storage tanks

Name:	AMERICAN FENCE CO
Address:	1075 GRAND AV
City,State,Zip:	SAN MARCOS, CA 920692602
Case Number:	H04437-001
Agency:	DEH Site Assessment & Mitigation
Funding:	LOP - Federal Fund
Facility Type:	Drinking Water Aquifer Impacted
Facility Status:	Closed Case
Date:	6/25/1992
Date Began:	12/15/1988

HMMD SAN DIEGO: Local Lists of Hazardous waste / Contaminated Sites

Name:	AMERICAN FENCE CO
Address:	1075 GRAND AV
City,State,Zip:	SAN MARCOS, CA 92078
Permit Number:	200586
Business Type:	6HK70
EPA Id Number:	CAL000159312
APN:	219-152-37-00
Last HMMD Inspection:	07/12/2012
Facility Telephone:	760-744-4124
Permit Status:	OPEN
Permit Expiration:	08/31/2013
Date Last Updated:	11/02/2012
Facility Owner:	DAVID S VAN DENBURGH
Facility Mailing Address:	PO BOX 19040
Facility Mailing City:	PHOENIX
Facility Mailing State:	AZ
Facility Mailing Zip:	85005-9040
UST Owner:	Not Reported
Handle Regulated Hazmat:	Not Reported

AMERICAN FENCE CO, 1075 GRAND AV, SAN MARCOS, CA, 920692602 (Continued)

Own Or Operate UST:	Not Reported
Subject To APSA:	Not Reported
Generate Haz Waste:	Not Reported
Treat Haz Waste:	Not Reported
Generate Medical Waste:	Not Reported

Inventory Active Permits (not SQG Medical):

Permit Number:	200586
Update Date:	11/02/2012
Case Number:	74-86-2
Name:	ACETYLENE GAS
Other Information:	Not Reported
Material Waste:	Material
Hazardous Categories 1:	FIRE
Hazardous Categories 2:	PRESSURE RELEASE

Permit Number:	200586
Update Date:	11/02/2012
Case Number:	124-38-9
Name:	CARBON DIOXIDE
Other Information:	Not Reported
Material Waste:	Material
Hazardous Categories 1:	PRESSURE RELEASE
Hazardous Categories 2:	CHRONIC

Permit Number:	200586
Update Date:	11/02/2012
Case Number:	7782-44-7
Name:	OXYGEN
Other Information:	Not Reported
Material Waste:	Material
Hazardous Categories 1:	FIRE
Hazardous Categories 2:	PRESSURE RELEASE

Permit Number:	200586
Update Date:	11/02/2012
Case Number:	74-98-6
Name:	PROPANE
Other Information:	Not Reported
Material Waste:	Material
Hazardous Categories 1:	FIRE
Hazardous Categories 2:	PRESSURE RELEASE

Violations Active Permits:

AMERICAN FENCE CO, 1075 GRAND AV, SAN MARCOS, CA, 920692602 (Continued)

Permit Number:	200586
Update Date:	11/02/2012
Inspection Date:	07/12/2012
Violation Code:	6HV1015
Violation:	EMPLOYEE TRAINING NOT ADEQUATE
Violation Citation:	Did not have adequate employee training program 2732 &/or 25504(c)
Activity:	ACTIVE

Permit Number:	200586
Update Date:	11/02/2012
Inspection Date:	07/12/2012
Violation Code:	6HV1017
Violation:	HMBP NOT CERTIFIED ANNUALLY
Violation Citation:	Business Plan not certified annually. 25505(d) & (e)(2)
Activity:	ACTIVE

Permit Number:	200586
Update Date:	11/02/2012
Inspection Date:	07/12/2012
Violation Code:	6HV0225
Violation:	ACCUMULATED HW>180 OR >270 DAYS
Violation Citation:	Accumulated waste too long (>180 or 270 days). 66262.34(d), CFR 262.34(e)&(f), &/or 25201(a) [>90 days for AHW waste]
Activity:	ACTIVE

Name:	AMERICAN FENCE CO
Address:	1075 GRAND AV
City,State,Zip:	SAN MARCOS, CA 92078
Permit Number:	200586
Business Type:	6HK70
EPA Id Number:	CAL000159312
APN:	219-152-37-00
Last HMMD Inspection:	07/12/2012
Facility Telephone:	760-744-4124
Permit Status:	OPEN
Permit Expiration:	08/31/2013
Date Last Updated:	11/02/2012
Facility Owner:	DAVID S VAN DENBURGH
Facility Mailing Address:	PO BOX 19040
Facility Mailing City:	PHOENIX
Facility Mailing State:	AZ
Facility Mailing Zip:	85005-9040
UST Owner:	Not Reported
Handle Regulated Hazmat:	Not Reported
Own Or Operate UST:	Not Reported

AMERICAN FENCE CO, 1075 GRAND AV, SAN MARCOS, CA, 920692602 (Continued)

Subject To APSA:	Not Reported
Generate Haz Waste:	Not Reported
Treat Haz Waste:	Not Reported
Generate Medical Waste:	Not Reported

Inventory Active Permits (not SQG Medical):

Permit Number:	200586
Update Date:	11/02/2012
Case Number:	74-86-2
Name:	ACETYLENE GAS
Other Information:	Not Reported
Material Waste:	Material
Hazardous Categories 1:	FIRE
Hazardous Categories 2:	PRESSURE RELEASE

Permit Number:	200586
Update Date:	11/02/2012
Case Number:	124-38-9
Name:	CARBON DIOXIDE
Other Information:	Not Reported
Material Waste:	Material
Hazardous Categories 1:	PRESSURE RELEASE
Hazardous Categories 2:	CHRONIC

Permit Number:	200586
Update Date:	11/02/2012
Case Number:	7782-44-7
Name:	OXYGEN
Other Information:	Not Reported
Material Waste:	Material
Hazardous Categories 1:	FIRE
Hazardous Categories 2:	PRESSURE RELEASE

Permit Number:	200586
Update Date:	11/02/2012
Case Number:	74-98-6
Name:	PROPANE
Other Information:	Not Reported
Material Waste:	Material
Hazardous Categories 1:	FIRE
Hazardous Categories 2:	PRESSURE RELEASE

Violations Active Permits:

Permit Number:	200586

AMERICAN FENCE CO, 1075 GRAND AV, SAN MARCOS, CA, 920692602 (Continued)

Update Date:	11/02/2012
Inspection Date:	07/12/2012
Violation Code:	6HV1015
Violation:	EMPLOYEE TRAINING NOT ADEQUATE
Violation Citation:	Did not have adequate employee training program 2732 &/or 25504(c)
Activity:	ACTIVE

Permit Number:	200586
Update Date:	11/02/2012
Inspection Date:	07/12/2012
Violation Code:	6HV1017
Violation:	HMBP NOT CERTIFIED ANNUALLY
Violation Citation:	Business Plan not certified annually. 25505(d) & (e)(2)
Activity:	ACTIVE

Permit Number:	200586
Update Date:	11/02/2012
Inspection Date:	07/12/2012
Violation Code:	6HV0225
Violation:	ACCUMULATED HW>180 OR >270 DAYS
Violation Citation:	Accumulated waste too long (>180 or 270 days). 66262.34(d), CFR 262.34(e)&(f), &/or 25201(a) [>90 days for AHW waste]
Activity:	ACTIVE

Name:	AMERICAN FENCE CO
Address:	1075 GRAND AV
City,State,Zip:	SAN MARCOS, CA 92069
Permit Number:	104437
Business Type:	6HK70
EPA Id Number:	CAL000159312
APN:	219-152-37-00
Last HMMD Inspection:	09/03/2003
Facility Telephone:	760-744-4124
Permit Status:	CHNG
Permit Expiration:	08/31/2003
Date Last Updated:	11/02/2012
Facility Owner:	J P VAN DENBURGH
Facility Mailing Address:	P O BOX 1899
Facility Mailing City:	SAN MARCOS
Facility Mailing State:	CA
Facility Mailing Zip:	92079-1899
UST Owner:	J P VAN DENBURGH
Handle Regulated Hazmat:	Y
Own Or Operate UST:	Not Reported
Subject To APSA:	Not Reported

AMERICAN FENCE CO, 1075 GRAND AV, SAN MARCOS, CA, 920692602 (Continued)

Generate Haz Waste:	Not Reported
Treat Haz Waste:	Not Reported
Generate Medical Waste:	Not Reported

UST:

UST Name:	UNDERGROUND TANK 104437 T001
Last Update:	2012-11-02 14:17:38
Permit Number:	104437
Tank Type:	SINGLE WALL
Additional Id:	1
Capacity Gallons:	550
UST Contents:	REGULAR UNLEADED
Other Content Info:	REGULAR UNLEADED
Reg Status:	REMOVED
Remove Close Date:	1988-12-15 00:00:00
Year Installed:	1982-01-01 00:00:00
Pipe Type:	SINGLE WALL
Delivery System:	SUCTION
Monitor Code:	07
UST Monitor Method:	SW TANK SW PRESSURE PIPE W/RESTRICTIVE LLD W/DAILY RECONCILIATION OR WEEKLY GAUGING: TANK AND PIPE TEST ANNUALLY

CORTESE: Other Ascertainable Records

Name:	AMERICAN FENCE CO
Address:	1075 GRAND AV
City,State,Zip:	SAN MARCOS, CA 920692602
Region:	CORTESE
Envirostor Id:	Not Reported
Global ID:	T0607300116
Site/Facility Type:	LUST CLEANUP SITE
Cleanup Status:	COMPLETED - CASE CLOSED
Status Date:	Not Reported
Site Code:	Not Reported
Latitude:	Not Reported
Longitude:	Not Reported
Owner:	Not Reported
Enf Type:	Not Reported
Swat R:	Not Reported
Flag:	active
Order No:	Not Reported
Waste Discharge System No:	Not Reported
Effective Date:	Not Reported
Region 2:	Not Reported
WID Id:	Not Reported

AMERICAN FENCE CO, 1075 GRAND AV, SAN MARCOS, CA, 920692602 (Continued)

Solid Waste Id No:	Not Reported
Waste Management Uit Name:	Not Reported
File Name:	Active Open

NPDES: Other Ascertainable Records

Name:	SAN MARCOS
Address:	1075 GRAND AVENUE
City,State,Zip:	SAN MARCOS, CA 92078
Facility Status:	Not Reported
NPDES Number:	Not Reported
Region:	Not Reported
Agency Number:	Not Reported
Regulatory Measure ID:	Not Reported
Place ID:	Not Reported
Order Number:	Not Reported
WDID:	Not Reported
Regulatory Measure Type:	Industrial
Program Type:	Not Reported
Adoption Date Of Regulatory Measure:	Not Reported
Effective Date Of Regulatory Measure:	Not Reported
Termination Date Of Regulatory Measure:	Not Reported
Expiration Date Of Regulatory Measure:	Not Reported
Discharge Address:	Not Reported
Discharge Name:	Not Reported
Discharge City:	Not Reported
Discharge State:	Not Reported
Discharge Zip:	Not Reported
Status:	Returned
Status Date:	10/04/2021
Operator Name:	AMERICAN FENCE COMPANY
Operator Address:	2502 NORTH 27TH AVENUE
Operator City:	PHOENIX
Operator State:	Arizona
Operator Zip:	85009

SAN DIEGO CO LOP: Other Ascertainable Records

Name:	AMERICAN FENCE CO
Address:	1075 GRAND AVE
City,State,Zip:	SAN MARCOS, CA 92069
Record ID:	DEH1988-LSAM-H04437-001
Record Status:	Completed

AMERICAN FENCE CO, 1075 GRAND AV, SAN MARCOS, CA, 920692602 (Continued)

Opened Date:	12/15/1988
Parcel Number:	219-152-37-00
Case Type:	LOP - Local Oversight Program
Historical Name:	AMERICAN FENCE CO
SWRCB Global ID:	T0607300116
Funding:	F - LOP Federal Fund
Lead Agency:	DEH/SAM
Lead Agency Date:	12/15/1988
Census Tract:	200.29
Community:	San Marcos
Jurisdiction:	SAN MARCOS
Watershed Basin Number:	904.52
Water Purveyor:	VALLECITOS WATER DISTRICT
Fire Agency:	SAN MARCOS FIRE PROT DIST
Latitude:	33.1410770
Longitude:	-117.1882743
X MapCoord:	6274478.184
Y MapCoord:	1996274.984

CERS: Other Ascertainable Records

Name:	AMERICAN FENCE CO
Address:	1075 GRAND AV
City,State,Zip:	SAN MARCOS, CA 920692602
Site ID:	207207
CERS ID:	T0607300116
CERS Description:	Leaking Underground Storage Tank Cleanup Site

Name:	BEMUS LANDSCAPE INC.
Address:	1075 GRAND AVE
City,State,Zip:	SAN MARCOS, CA 92078
Site ID:	595514
CERS ID:	10376017
CERS Description:	Chemical Storage Facilities
Violations:	

Site ID:	595514
Site Name:	Bemus Landscape Inc.
Violation Date:	01-20-2022
Citation:	HSC 6.95 25505(a)(4) - California Health and Safety Code, Chapter 6.95, Section(s) 25505(a)(4)
Violation Description:	Failure to provide initial and annual training to all employees in safety procedures in the event of a release or threatened release of a hazardous material or failure to document and maintain training records for a minimum of three years.
Violation Notes:	Inspection Sequence ID:6811096
Violation Division:	San Diego County Department of Env Health
Violation Program:	HMRRP

AMERICAN FENCE CO, 1075 GRAND AV, SAN MARCOS, CA, 920692602 (Continued)

Violation Source:	CERS,
Site ID:	595514
Site Name:	Bemus Landscape Inc.
Violation Date:	01-20-2022
Citation:	HSC 6.95 Multiple - California Health and Safety Code, Chapter 6.95, Section(s) Multiple
Violation Description:	Business Plan Program - Administration/Documentation - General
Violation Notes:	Inspection Sequence ID:6811096;Violation:HMD1001 Unified Program Facility permit not obtained for hazardous materials. SDCC 68.904; 68.905; 68.906, 68.907; 68.907.1
Violation Division:	San Diego County Department of Env Health
Violation Program:	HMRRP
Violation Source:	CERS,
Site ID:	595514
Site Name:	Bemus Landscape Inc.
Violation Date:	01-20-2022
Citation:	HSC 6.95 25507 - California Health and Safety Code, Chapter 6.95, Section(s) 25507
Violation Description:	Failure to adequately establish and implement a business plan when storing/handling a hazardous material at or above reportable quantities.
Violation Notes:	Inspection Sequence ID:6811096
Violation Division:	San Diego County Department of Env Health
Violation Program:	HMRRP
Violation Source:	CERS,
Site ID:	595514
Site Name:	Bemus Landscape Inc.
Violation Date:	07-07-2014
Citation:	HSC 6.95 25505(a)(4) - California Health and Safety Code, Chapter 6.95, Section(s) 25505(a)(4)
Violation Description:	Failure to provide initial and annual training to all employees in safety procedures in the event of a release or threatened release of a hazardous material or failure to document and maintain training records for a minimum of three years.
Violation Notes:	Returned to compliance on 07/16/2014.
Violation Division:	San Diego County Department of Env Health
Violation Program:	HMRRP
Violation Source:	CERS,
Site ID:	595514
Site Name:	Bemus Landscape Inc.
Violation Date:	01-20-2022
Citation:	HSC 6.95 25505(c) - California Health and Safety Code, Chapter 6.95, Section(s) 25505(c)
Violation Description:	Failure to have a business plan readily available to personnel of the business or the unified program facility with responsibilities for emergency response or training.
Violation Notes:	Inspection Sequence ID:6811096
Violation Division:	San Diego County Department of Env Health

AMERICAN FENCE CO, 1075 GRAND AV, SAN MARCOS, CA, 920692602 (Continued)

Violation Program:	HMRRP
Violation Source:	CERS,

Evaluation:

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	05-26-2016
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Inspector: Calcagno Leonardo Inspection ID:5468288
Eval Division:	San Diego County Department of Env Health
Eval Program:	HMRRP
Eval Source:	CERS,

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	07-07-2014
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Inspector: Beacon Ellen Inspection ID:5080292
Eval Division:	San Diego County Department of Env Health
Eval Program:	HMRRP
Eval Source:	CERS,

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	01-20-2022
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Inspector: Kieu Bridget Inspection ID:6811096
Eval Division:	San Diego County Department of Env Health
Eval Program:	HMRRP
Eval Source:	CERS,

Coordinates:

Site ID:	595514
Facility Name:	Bemus Landscape Inc.
Env Int Type Code:	HMBP
Program ID:	10376017
Coord Name:	Not Reported
Ref Point Type Desc:	Center of a facility or station.,
Latitude:	33.141080
Longitude:	-117.188270

Affiliation:

AMERICAN FENCE CO, 1075 GRAND AV, SAN MARCOS, CA, 920692602 (Continued)

Affiliation Type Desc:	CUPA District
Entity Name:	San Diego County Env Health Qlty
Entity Title:	Not Reported
Affiliation Address:	PO Box 129261
Affiliation City:	San Diego
Affiliation State:	CA
Affiliation Country:	Not Reported
Affiliation Zip:	92112-9261
Affiliation Phone:	(858) 505-6880,

Affiliation Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	Not Reported
Affiliation Address:	P.O. Box 74268
Affiliation City:	San Clemente
Affiliation State:	CA
Affiliation Country:	Not Reported
Affiliation Zip:	92673
Affiliation Phone:	,

Affiliation Type Desc:	Identification Signer
Entity Name:	Alejandro Rodriguez
Entity Title:	HR Manager & Safety
Affiliation Address:	Not Reported
Affiliation City:	Not Reported
Affiliation State:	Not Reported
Affiliation Country:	Not Reported
Affiliation Zip:	Not Reported
Affiliation Phone:	,

Affiliation Type Desc:	Legal Owner
Entity Name:	Bemus Landscape Inc.
Entity Title:	Not Reported
Affiliation Address:	P.O. Box 74268
Affiliation City:	San Clemente
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	92673
Affiliation Phone:	(888) 557-7910,

Affiliation Type Desc:	Environmental Contact
Entity Name:	Angela Taft
Entity Title:	Not Reported
Affiliation Address:	P.O. Box 74268
Affiliation City:	San Clemente
Affiliation State:	CA

AMERICAN FENCE CO, 1075 GRAND AV, SAN MARCOS, CA, 920692602 (Continued)

Affiliation Country:	Not Reported
Affiliation Zip:	92673
Affiliation Phone:	,

Affiliation Type Desc:	Operator
Entity Name:	Bemus Landscape Inc.
Entity Title:	Not Reported
Affiliation Address:	Not Reported
Affiliation City:	Not Reported
Affiliation State:	Not Reported
Affiliation Country:	Not Reported
Affiliation Zip:	Not Reported
Affiliation Phone:	(888) 557-7910,

Affiliation Type Desc:	Parent Corporation
Entity Name:	Bemus Landscape Inc.
Entity Title:	Not Reported
Affiliation Address:	Not Reported
Affiliation City:	Not Reported
Affiliation State:	Not Reported
Affiliation Country:	Not Reported
Affiliation Zip:	Not Reported
Affiliation Phone:	,

MAP FINDINGS

AMERICAN FENCE CO 1075 GRAND AV, SAN MARCOS, CA, 920692602			S103621956
Map ID: C41	Distance: NW <1/10 (74 ft. / 0.014 mi.)	Elevation: Equal Elevation 544 ft. Above Sea Level	Lists of state and tribal leaking storage tanks Other Ascertainable Records

Worksheet:

Database Details:

LUST: Lists of state and tribal leaking storage tanks

Name:	AMERICAN FENCE CO
Address:	1075 GRAND AV
City,State,Zip:	SAN MARCOS, CA 920692602
Lead Agency:	SAN DIEGO COUNTY LOP
Case Type:	LUST Cleanup Site
Geo Track:	http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0607300116
Global Id:	T0607300116
Latitude:	33.141127
Longitude:	-117.188301
Status:	Completed - Case Closed
Status Date:	06/25/1992
Case Worker:	Not Reported
RB Case Number:	9UT1109
Local Agency:	Not Reported
File Location:	Local Agency
Local Case Number:	H04437-001
Potential Media Affect:	Aquifer used for drinking water supply
Potential Contaminants of Concern:	Gasoline
Site History:	Not Reported
LUST:	

Global Id:	T0607300116
Action Type:	Other
Date:	12/15/1988
Action:	Leak Reported

Global Id:	T0607300116
Action Type:	ENFORCEMENT
Date:	06/15/1992
Action:	Closure/No Further Action Letter

Global Id:	T0607300116
Action Type:	Other

AMERICAN FENCE CO, 1075 GRAND AV, SAN MARCOS, CA, 920692602 (Continued)

Date:	12/15/1988
Action:	Leak Began

Global Id:	T0607300116
Action Type:	Other
Date:	12/15/1988
Action:	Leak Stopped

Global Id:	T0607300116
Action Type:	ENFORCEMENT
Date:	12/19/1988
Action:	Notice of Responsibility

Global Id:	T0607300116
Action Type:	Other
Date:	12/15/1988
Action:	Leak Discovery

LUST:

Global Id:	T0607300116
Status:	Open - Case Begin Date
Status Date:	12/15/1988

Global Id:	T0607300116
Status:	Completed - Case Closed
Status Date:	06/25/1992

HIST CORTESE: Other Ascertainable Records

edr_fname:	AMERICAN FENCE COMPANY
edr_fadd1:	1075 GRAND
City,State,Zip:	SAN MARCOS, CA 92069
Region:	CORTESE
Facility County Code:	37
Reg By:	LTNKA
Reg Id:	9UT1109

MAP FINDINGS

AMERICAN FENCE CO 1075 GRAND AVE, SAN MARCOS, CA, 92069			S102423938
Map ID: C42	Distance: NW <1/10 (74 ft. / 0.014 mi.)	Elevation: Equal Elevation 544 ft. Above Sea Level	Lists of state and tribal leaking storage tanks Local Lists of Registered Storage Tanks

Worksheet:

Database Details:

LUST REG 9: Lists of state and tribal leaking storage tanks

Region:	9
Status:	Case Closed
Case Number:	9UT1109
Local Case:	H04437-001
Substance:	Gasoline
Qty Leaked:	Not Reported
Abate Method:	Excavate and Dispose - remove contaminated soil and dispose in approved site
Local Agency:	San Diego
How Found:	Tank Closure
How Stopped:	Close Tank
Source:	Unknown
Cause:	Structure Failure
Lead Agency:	Local Agency
Case Type:	Other ground water affected
Date Found:	12/16/1988
Date Stopped:	12/16/1988
Confirm Date:	12/15/1988
Submit Workplan:	Not Reported
Prelim Assess:	07/06/1989
Desc Pollution:	Not Reported
Remed Plan:	/ /
Remed Action:	1/15/90
Began Monitor:	Not Reported
Release Date:	12/16/1988
Enforce Date:	Not Reported
Closed Date:	6/15/92
Enforce Type:	Not Reported
Pilot Program:	LOP
Basin Number:	904.52
GW Depth:	4
Beneficial Use:	Municipal groundwater use
NPDES Number:	Not Reported
Priority:	High priority
File Dispn:	File discarded, case closed

AMERICAN FENCE CO, 1075 GRAND AVE, SAN MARCOS, CA, 92069 (Continued)

Interim Remedial Actions:	Yes
Cleanup and Abatement order Number:	Not Reported
Waste Discharge Requirement Number:	Not Reported

SWEEPS UST: Local Lists of Registered Storage Tanks

Name:	AMERICAN FENCE CO
Address:	1075 GRAND AVE
City:	SAN MARCOS
Status:	Not Reported
Comp Number:	4437
Number:	Not Reported
Board Of Equalization:	44-022041
Referral Date:	Not Reported
Action Date:	Not Reported
Created Date:	Not Reported
Owner Tank Id:	Not Reported
SWRCB Tank Id:	37-000-004437-000001
Tank Status:	Not Reported
Capacity:	550
Active Date:	Not Reported
Tank Use:	M.V. FUEL
STG:	PRODUCT
Content:	REG UNLEADED
Number Of Tanks:	1

Name:	AMERICAN FENCE CO
Address:	1075 GRAND AVE
City:	SAN MARCOS
Status:	Active
Comp Number:	4437
Number:	9
Board Of Equalization:	44-022041
Referral Date:	Not Reported
Action Date:	06-26-92
Created Date:	02-29-88
Owner Tank Id:	Not Reported
SWRCB Tank Id:	Not Reported
Tank Status:	Not Reported
Capacity:	Not Reported
Active Date:	Not Reported
Tank Use:	Not Reported
STG:	Not Reported
Content:	Not Reported
Number Of Tanks:	Not Reported

AMERICAN FENCE CO, 1075 GRAND AVE, SAN MARCOS, CA, 92069 (Continued)

MAP FINDINGS

MISSION AUTO REPAIR 1020 LINDA VISTA DR B, SAN MARCOS, CA, 92078			1000220043
Map ID: B43	Distance: SW <1/10 (81 ft. / 0.015 mi.)	Elevation: 4 ft. Lower Elevation 540 ft. Above Sea Level	Local Lists of Hazardous waste / Contaminated Sites Other Ascertainable Records

Worksheet:

Database Details:

HMMD SAN DIEGO: Local Lists of Hazardous waste / Contaminated Sites

Name:	MISSION AUTO REPAIR
Address:	1020 LINDA VISTA DR B
City,State,Zip:	SAN MARCOS, CA 92078
Permit Number:	Not Reported
Business Type:	Not Reported
EPA Id Number:	CAL000375579
APN:	Not Reported
Last HMMD Inspection:	Not Reported
Facility Telephone:	760-744-8100
Permit Status:	Permit Renewed
Permit Expiration:	Not Reported
Date Last Updated:	04/22/2022
Facility Owner:	Not Reported
Facility Mailing Address:	1020B Linda Vista Dr, San Marcos, CA 92078
Facility Mailing City:	Not Reported
Facility Mailing State:	Not Reported
Facility Mailing Zip:	Not Reported
UST Owner:	N
Handle Regulated Hazmat:	Not Reported
Own Or Operate UST:	Not Reported
Subject To APSA:	Not Reported
Generate Haz Waste:	Y
Treat Haz Waste:	N
Generate Medical Waste:	Not Reported
Inspection Violation:	

Record ID:	DEH2012-HUPFP-216710
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-216710
Program Element:	Hazardous Materials Release Response Plans
Inspection Type:	Routine
Inspection Number:	5873826
Return To Compliance Date:	2018-01-25T00:00:00.000

MISSION AUTO REPAIR, 1020 LINDA VISTA DR B, SAN MARCOS, CA, 92078 (Continued)

Nov:	No
Violation Classification:	Class II
Underground Storage Tank Id:	Not Reported
Container/Tank Id:	Not Reported
Last Update:	2022-04-22T00:00:00.000
Inspection Date:	2018-01-25T14:33:50.000
Violation Code:	1010008 HMBP not certified annually as complete and accurate in CERS. HSC 25508(a)(1)(A), 25508.2, 19 CCR 2654(b)

Record ID:	DEH2012-HUPFP-216710
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-216710
Program Element:	Hazardous Waste Generator
Inspection Type:	Routine
Inspection Number:	5416013
Return To Compliance Date:	2016-04-14T00:00:00.000
Nov:	No
Violation Classification:	Minor
Underground Storage Tank Id:	Not Reported
Container/Tank Id:	Not Reported
Last Update:	2022-04-22T00:00:00.000
Inspection Date:	2016-03-23T11:24:00.000
Violation Code:	3020001 Failed to ensure employees are trained for hazardous waste handling, compliance with regulations, and emergency response procedures. (40 CFR 262.34(d)(5)(iii).) 22 CCR 66262.34(d)(2)

Record ID:	DEH2012-HUPFP-216710
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-216710
Program Element:	Hazardous Materials Release Response Plans
Inspection Type:	Routine
Inspection Number:	5416013
Return To Compliance Date:	2016-03-23T00:00:00.000
Nov:	No
Violation Classification:	Class II
Underground Storage Tank Id:	Not Reported
Container/Tank Id:	Not Reported
Last Update:	2022-04-22T00:00:00.000
Inspection Date:	2016-03-23T11:24:00.000
Violation Code:	1010004 Chemical inventory incomplete or not submitted in CERS. HSC 25505(a)(1); 25506; 25507; and 25508(a)(1)(A)

Record ID:	DEH2012-HUPFP-216710
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-216710

MISSION AUTO REPAIR, 1020 LINDA VISTA DR B, SAN MARCOS, CA, 92078 (Continued)

Program Element:	Hazardous Materials Release Response Plans
Inspection Type:	Routine
Inspection Number:	5416013
Return To Compliance Date:	2016-04-14T00:00:00.000
Nov:	No
Violation Classification:	Class II
Underground Storage Tank Id:	Not Reported
Container/Tank Id:	Not Reported
Last Update:	2022-04-22T00:00:00.000
Inspection Date:	2016-03-23T11:24:00.000
Violation Code:	1020002 Initial and/or annual employee training not conducted for hazardous materials management and/or employee training records not available or not maintained for 3 years. HSC 25505(a)(4)

Record ID:	DEH2012-HUPFP-216710
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-216710
Program Element:	Hazardous Materials Release Response Plans
Inspection Type:	Routine
Inspection Number:	6367512
Return To Compliance Date:	2020-03-17T00:00:00.000
Nov:	No
Violation Classification:	Class II
Underground Storage Tank Id:	Not Reported
Container/Tank Id:	Not Reported
Last Update:	2022-04-22T00:00:00.000
Inspection Date:	2020-02-20T00:00:00.000
Violation Code:	1020002 Initial &/or annual employee training not conducted in safety procedures for a hazardous material release or threatened release &/or employee training records not available or not maintained for 3 years. HSC 25505(a)(4); 19 CCR 2659(b)

Record ID:	DEH2012-HUPFP-216710
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-216710
Program Element:	Hazardous Materials Release Response Plans
Inspection Type:	Routine
Inspection Number:	5873826
Return To Compliance Date:	2018-01-25T00:00:00.000
Nov:	No
Violation Classification:	Class II
Underground Storage Tank Id:	Not Reported
Container/Tank Id:	Not Reported
Last Update:	2022-04-22T00:00:00.000
Inspection Date:	2018-01-25T14:33:50.000
Violation Code:	1010004 Chemical inventory incomplete or not submitted in CERS. HSC 25505(a)(1); 25507(a); 25508.1(a-b); 19 CCR 2654 (a) or (d)

MISSION AUTO REPAIR, 1020 LINDA VISTA DR B, SAN MARCOS, CA, 92078 (Continued)

Record ID:	DEH2012-HUPFP-216710
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-216710
Program Element:	Hazardous Materials Release Response Plans
Inspection Type:	Routine
Inspection Number:	6367512
Return To Compliance Date:	2020-02-20T00:00:00.000
Nov:	No
Violation Classification:	Class II
Underground Storage Tank Id:	Not Reported
Container/Tank Id:	Not Reported
Last Update:	2022-04-22T00:00:00.000
Inspection Date:	2020-02-20T00:00:00.000
Violation Code:	1010008 HMBP not certified annually as complete and accurate in CERS. HSC 25508(a)(1)(A), 25508.2, 19 CCR 2654(b)

Waste and Materials:

Record ID:	DEH2012-HUPFP-216710
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2018-HCHEM-0199246
Trade Secret:	N
Hazardous Material Type:	Mixture
Last Updated:	2020-02-21T02:04:33.000
Chemical Name:	Lubricating Oil
Common Name:	Lubricating Oil
Case Number:	Not Reported

Record ID:	DEH2012-HUPFP-216710
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2018-HWAST-0171852
Trade Secret:	N
Hazardous Material Type:	Not Reported
Last Updated:	2020-02-21T02:04:33.000
Chemical Name:	WASTE 221 WASTE OIL & MIXED OIL
Common Name:	WASTE 221 WASTE OIL & MIXED OIL
Case Number:	Not Reported

Record ID:	DEH2012-HUPFP-216710
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2020-HWAST-0221430

MISSION AUTO REPAIR, 1020 LINDA VISTA DR B, SAN MARCOS, CA, 92078 (Continued)

Trade Secret:	N
Hazardous Material Type:	Not Reported
Last Updated:	2022-04-22T02:32:01.000
Chemical Name:	WASTE 221 WASTE OIL & MIXED OIL
Common Name:	WASTE 221 WASTE OIL & MIXED OIL
Case Number:	Not Reported

Record ID:	DEH2012-HUPFP-216710
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2020-HWAST-0221431
Trade Secret:	N
Hazardous Material Type:	Not Reported
Last Updated:	2022-04-22T02:32:01.000
Chemical Name:	WASTE 342 ORGANIC LIQUIDS W/METALS
Common Name:	ANTIFREEZE
Case Number:	Not Reported

Record ID:	DEH2012-HUPFP-216710
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2016-HWAST-0078200
Trade Secret:	N
Hazardous Material Type:	Not Reported
Last Updated:	2017-04-18T02:35:19.000
Chemical Name:	WASTE 221 WASTE OIL & MIXED OIL
Common Name:	WASTE 221 WASTE OIL & MIXED OIL
Case Number:	Not Reported

Record ID:	DEH2012-HUPFP-216710
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2016-HWAST-0078201
Trade Secret:	N
Hazardous Material Type:	Not Reported
Last Updated:	2017-04-18T02:35:19.000
Chemical Name:	WASTE 342 ORGANIC LIQUIDS W/METALS
Common Name:	ANTIFREEZE
Case Number:	Not Reported

Record ID:	DEH2012-HUPFP-216710
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2016-HWAST-0078202
Trade Secret:	N
Hazardous Material Type:	Not Reported

MISSION AUTO REPAIR, 1020 LINDA VISTA DR B, SAN MARCOS, CA, 92078 (Continued)

Last Updated:	2017-04-18T02:35:19.000
Chemical Name:	Parts Washer
Common Name:	Parts Washer
Case Number:	Not Reported

Record ID:	DEH2012-HUPFP-216710
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2018-HCHEM-0167772
Trade Secret:	N
Hazardous Material Type:	Mixture
Last Updated:	2018-04-20T02:33:14.000
Chemical Name:	Lubricating Oil
Common Name:	Lubricating Oil
Case Number:	Not Reported

Record ID:	DEH2012-HUPFP-216710
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2018-HWAST-0142300
Trade Secret:	N
Hazardous Material Type:	Not Reported
Last Updated:	2018-04-20T02:33:14.000
Chemical Name:	WASTE 221 WASTE OIL & MIXED OIL
Common Name:	WASTE 221 WASTE OIL & MIXED OIL
Case Number:	Not Reported

Record ID:	DEH2012-HUPFP-216710
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2018-HWAST-0142301
Trade Secret:	N
Hazardous Material Type:	Not Reported
Last Updated:	2018-04-20T02:33:14.000
Chemical Name:	WASTE 342 ORGANIC LIQUIDS W/METALS
Common Name:	ANTIFREEZE
Case Number:	Not Reported

Record ID:	DEH2012-HUPFP-216710
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2018-HWAST-0142302
Trade Secret:	N
Hazardous Material Type:	Not Reported
Last Updated:	2018-04-20T02:33:14.000
Chemical Name:	Parts Washer

MISSION AUTO REPAIR, 1020 LINDA VISTA DR B, SAN MARCOS, CA, 92078 (Continued)

Common Name:	Parts Washer
Case Number:	Not Reported

Record ID:	DEH2012-HUPFP-216710
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2018-HWAST-0171853
Trade Secret:	N
Hazardous Material Type:	Not Reported
Last Updated:	2020-02-21T02:04:33.000
Chemical Name:	WASTE 342 ORGANIC LIQUIDS W/METALS
Common Name:	ANTIFREEZE
Case Number:	Not Reported

Record ID:	DEH2012-HUPFP-216710
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2018-HWAST-0171854
Trade Secret:	N
Hazardous Material Type:	Not Reported
Last Updated:	2020-02-21T02:04:33.000
Chemical Name:	Parts Washer
Common Name:	Parts Washer
Case Number:	Not Reported

Record ID:	DEH2012-HUPFP-216710
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2020-HCHEM-0250268
Trade Secret:	N
Hazardous Material Type:	Mixture
Last Updated:	2022-04-22T02:32:01.000
Chemical Name:	Lubricating Oil
Common Name:	Lubricating Oil
Case Number:	Not Reported

Record ID:	DEH2012-HUPFP-216710
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2020-HWAST-0221432
Trade Secret:	N
Hazardous Material Type:	Not Reported
Last Updated:	2022-04-22T02:32:01.000
Chemical Name:	Parts Washer
Common Name:	Parts Washer
Case Number:	Not Reported

MISSION AUTO REPAIR, 1020 LINDA VISTA DR B, SAN MARCOS, CA, 92078 (Continued)

Record ID:	DEH2012-HUPFP-216710
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2020-HWAST-0221433
Trade Secret:	N
Hazardous Material Type:	Not Reported
Last Updated:	2022-04-22T02:32:01.000
Chemical Name:	non-rcra hazardous waste used metal filters (not drained)
Common Name:	used metal filters (not drained)
Case Number:	Not Reported

Name:	MISSION AUTO REPAIR
Address:	1020 LINDA VISTA DR
City,State,Zip:	SAN MARCOS, CA 92078
Permit Number:	216710
Business Type:	6HK26
EPA Id Number:	CAL000375579
APN:	219-152-27-00
Last HMMD Inspection:	07/06/2012
Facility Telephone:	760-744-8100
Permit Status:	OPEN
Permit Expiration:	05/31/2013
Date Last Updated:	11/02/2012
Facility Owner:	MISSION AUTO REPAIR
Facility Mailing Address:	1020 LINDA VISTA DR #B
Facility Mailing City:	San Marcos
Facility Mailing State:	CA
Facility Mailing Zip:	92078
UST Owner:	Not Reported
Handle Regulated Hazmat:	Y
Own Or Operate UST:	Not Reported
Subject To APSA:	Not Reported
Generate Haz Waste:	Y
Treat Haz Waste:	Not Reported
Generate Medical Waste:	Not Reported

Inventory Active Permits (not SQG Medical):

Permit Number:	216710
Update Date:	11/02/2012
Case Number:	Not Reported
Name:	WASTE 221 WASTE OIL & MIXED OIL
Other Information:	Not Reported
Material Waste:	Waste
Hazardous Categories 1:	Not Reported

MISSION AUTO REPAIR, 1020 LINDA VISTA DR B, SAN MARCOS, CA, 92078 (Continued)

Hazardous Categories 2:	Not Reported

Permit Number:	216710
Update Date:	11/02/2012
Case Number:	Not Reported
Name:	WASTE 342 ORGANIC LIQUIDS W/METALS
Other Information:	ANRIFREEZE
Material Waste:	Waste
Hazardous Categories 1:	Not Reported
Hazardous Categories 2:	Not Reported

Permit Number:	216710
Update Date:	11/02/2012
Case Number:	Not Reported
Name:	WASTE 444 USED BATTERIES
Other Information:	USED LEAD ACID BATTERIES
Material Waste:	Waste
Hazardous Categories 1:	Not Reported
Hazardous Categories 2:	Not Reported

Permit Number:	216710
Update Date:	11/02/2012
Case Number:	Not Reported
Name:	WASTE 888 USED OIL FILTERS
Other Information:	Not Reported
Material Waste:	Waste
Hazardous Categories 1:	Not Reported
Hazardous Categories 2:	Not Reported

Violations Active Permits:

Permit Number:	216710
Update Date:	11/02/2012
Inspection Date:	07/06/2012
Violation Code:	6HV1002
Violation:	HMBP NOT ESTABISHED/IMPLEMENTED.
Violation Citation:	Hazardous materials handler has not established/implemented a business plan. HSC 25503.5(a)
Activity:	ACTIVE

DRYCLEANERS: Other Ascertainable Records

Name:	WESTERN SIGN SYSTEMS
Address:	1020 LINDA VISTA DR

MISSION AUTO REPAIR, 1020 LINDA VISTA DR B, SAN MARCOS, CA, 92078 (Continued)

City,State,Zip:	SAN MARCOS, CA 920782656
EPA Id:	CAL000223784
NAICS Code:	81232
NAICS Description:	Drycleaning and Laundry Services (except Coin-Operated)
SIC Code:	7211
SIC Description:	Power Laundries, Family and Commercial
Create Date:	10/03/2001
Facility Active:	No
Inactive Date:	06/30/2013
Facility Addr2:	Not Reported
Owner Name:	WESTERN SIGN SYSTEMS
Owner Address:	1020 LINDA VISTA DR
Owner Address 2:	Not Reported
Owner Telephone:	7607366070
Contact Name:	RICHARD DELGATTO/GEN MGR
Contact Address:	1020 LINDA VISTA DR
Contact Address 2:	Not Reported
Contact Telephone:	7607366070
Contact Fax:	7607367063
Mailing Name:	Not Reported
Mailing Address 1:	261 S PACIFIC ST
Mailing Address 2:	Not Reported
Mailing City:	SAN MARCOS
Mailing State:	CA
Mailing Zip:	920782429
Owner Fax:	7607366073
Region Code:	4
Latitude:	33.139039
Longitude:	-117.187004

MAP FINDINGS

PROGRESS METAL FABRICATION 1020 LINDA VISTA DR, SAN MARCOS, CA, 92078			S106072437
Map ID: B44	Distance: SW <1/10 (81 ft. / 0.015 mi.)	Elevation: 4 ft. Lower Elevation 540 ft. Above Sea Level	Local Lists of Hazardous waste / Contaminated Sites Other Ascertainable Records

Worksheet:

Database Details:

HMMD SAN DIEGO: Local Lists of Hazardous waste / Contaminated Sites

Name:	PROGRESS METAL FABRICATION
Address:	1020 LINDA VISTA DR
City,State,Zip:	SAN MARCOS, CA 92078
Permit Number:	202506
Business Type:	6HK35
EPA Id Number:	Not Reported
APN:	219-152-27-00
Last HMMD Inspection:	10/03/2003
Facility Telephone:	760-591-9258
Permit Status:	INAC
Permit Expiration:	03/31/2004
Date Last Updated:	11/02/2012
Facility Owner:	PROGRESSIVE METAL FABRICATION INC
Facility Mailing Address:	1504 SAN MATEO ST
Facility Mailing City:	OCEANSIDE
Facility Mailing State:	CA
Facility Mailing Zip:	92054
UST Owner:	Not Reported
Handle Regulated Hazmat:	Y
Own Or Operate UST:	Not Reported
Subject To APSA:	Not Reported
Generate Haz Waste:	Y
Treat Haz Waste:	Not Reported
Generate Medical Waste:	Not Reported
Violations Inactive Permits:	

Permit Number:	202506
Update Date:	11/02/2012
Inspection Date:	10/03/2003
Violation Code:	6HV1001
Violation:	NO UPF PERMIT FOR HAZMATS
Violation Citation:	A Unified Program Facility permit has not been obtained for hazardous materials. 68.905
Activity:	Inactive Permit

PROGRESS METAL FABRICATION, 1020 LINDA VISTA DR, SAN MARCOS, CA, 92078 (Continued)

Permit Number:	202506
Update Date:	11/02/2012
Inspection Date:	10/03/2003
Violation Code:	6HV1002
Violation:	HMBP NOT ESTABISHED/IMPLEMENTED.
Violation Citation:	Hazardous materials handler has not established/implemented a business plan. HSC 25503.5(a)
Activity:	Inactive Permit

Permit Number:	202506
Update Date:	11/02/2012
Inspection Date:	10/03/2003
Violation Code:	6HV0401
Violation:	TRAINING RECORDS UNAVAILABLE
Violation Citation:	Personnel training records are not maintained to document compliance with requirements for current and former employees. CCR 66265.16(d)&(e)
Activity:	Inactive Permit

Permit Number:	202506
Update Date:	11/02/2012
Inspection Date:	10/03/2003
Violation Code:	6HV0402
Violation:	TRAINING PROGRAM NOT ADEQUATE
Violation Citation:	Personnel training is not adequate to ensure compliance with hazardous waste regulations. CCR 66265.16(a)&(b)
Activity:	Inactive Permit

CERS HAZ WASTE: Local Lists of Hazardous waste / Contaminated Sites

Name:	MISSION AUTO REPAIR
Address:	1020B LINDA VISTA DR
City,State,Zip:	SAN MARCOS, CA 92078
Site ID:	49386
CERS ID:	10376680
CERS Description:	Hazardous Waste Generator

CERS: Other Ascertainable Records

Name:	MISSION AUTO REPAIR
Address:	1020B LINDA VISTA DR
City,State,Zip:	SAN MARCOS, CA 92078
Site ID:	49386
CERS ID:	10376680

PROGRESS METAL FABRICATION, 1020 LINDA VISTA DR, SAN MARCOS, CA, 92078 (Continued)

CERS Description:	Chemical Storage Facilities
Violations:	

Site ID:	49386
Site Name:	MISSION AUTO REPAIR
Violation Date:	01-25-2018
Citation:	HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description:	Failure to annually review and electronically certify that the business plan is complete and accurate on or before the annual due date.
Violation Notes:	Returned to compliance on 01/25/2018.
Violation Division:	San Diego County Department of Env Health
Violation Program:	HMRRP
Violation Source:	CERS,

Site ID:	49386
Site Name:	MISSION AUTO REPAIR
Violation Date:	02-20-2020
Citation:	HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description:	Failure to annually review and electronically certify that the business plan is complete and accurate on or before the annual due date.
Violation Notes:	Returned to compliance on 02/20/2020. Inspection Sequence ID:6367512
Violation Division:	San Diego County Department of Env Health
Violation Program:	HMRRP
Violation Source:	CERS,

Site ID:	49386
Site Name:	MISSION AUTO REPAIR
Violation Date:	02-20-2020
Citation:	HSC 6.95 25505(a)(4) - California Health and Safety Code, Chapter 6.95, Section(s) 25505(a)(4)
Violation Description:	Failure to provide initial and annual training to all employees in safety procedures in the event of a release or threatened release of a hazardous material or failure to document and maintain training records for a minimum of three years.
Violation Notes:	Returned to compliance on 03/17/2020. Inspection Sequence ID:6367512
Violation Division:	San Diego County Department of Env Health
Violation Program:	HMRRP
Violation Source:	CERS,

Site ID:	49386
Site Name:	MISSION AUTO REPAIR
Violation Date:	03-23-2016
Citation:	HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description:	Failure to complete and electronically submit hazardous material inventory information for all reportable hazardous materials on site at or above reportable quantities.
Violation Notes:	Returned to compliance on 03/23/2016.

PROGRESS METAL FABRICATION, 1020 LINDA VISTA DR, SAN MARCOS, CA, 92078 (Continued)

Violation Division:	San Diego County Department of Env Health
Violation Program:	HMRRP
Violation Source:	CERS,
Site ID:	49386
Site Name:	MISSION AUTO REPAIR
Violation Date:	01-25-2018
Citation:	HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description:	Failure to complete and electronically submit hazardous material inventory information for all reportable hazardous materials on site at or above reportable quantities.
Violation Notes:	Returned to compliance on 01/25/2018.
Violation Division:	San Diego County Department of Env Health
Violation Program:	HMRRP
Violation Source:	CERS,
Site ID:	49386
Site Name:	MISSION AUTO REPAIR
Violation Date:	03-23-2016
Citation:	HSC 6.95 25505(a)(4) - California Health and Safety Code, Chapter 6.95, Section(s) 25505(a)(4)
Violation Description:	Failure to provide initial and annual training to all employees in safety procedures in the event of a release or threatened release of a hazardous material or failure to document and maintain training records for a minimum of three years.
Violation Notes:	Returned to compliance on 04/14/2016.
Violation Division:	San Diego County Department of Env Health
Violation Program:	HMRRP
Violation Source:	CERS,
Evaluation:	
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	03-23-2016
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Inspector: Calcagno Leonardo Inspection ID:5416013
Eval Division:	San Diego County Department of Env Health
Eval Program:	HW
Eval Source:	CERS,
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	02-20-2020
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Inspector: Valdez Kevin Inspection ID:6367512
Eval Division:	San Diego County Department of Env Health
Eval Program:	HMRRP

PROGRESS METAL FABRICATION, 1020 LINDA VISTA DR, SAN MARCOS, CA, 92078 (Continued)

Eval Source:	CERS,
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	01-25-2018
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Inspector: Calcagno Leonardo Inspection ID:5873826
Eval Division:	San Diego County Department of Env Health
Eval Program:	HW
Eval Source:	CERS,
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	02-20-2020
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Inspector: Valdez Kevin Inspection ID:6367512
Eval Division:	San Diego County Department of Env Health
Eval Program:	HW
Eval Source:	CERS,
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	03-23-2016
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Inspector: Calcagno Leonardo Inspection ID:5416013
Eval Division:	San Diego County Department of Env Health
Eval Program:	HMRRP
Eval Source:	CERS,
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	01-25-2018
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Inspector: Calcagno Leonardo Inspection ID:5873826
Eval Division:	San Diego County Department of Env Health
Eval Program:	HMRRP
Eval Source:	CERS,

Affiliation:

Affiliation Type Desc:	CUPA District
Entity Name:	San Diego County Env Health Qlty
Entity Title:	Not Reported
Affiliation Address:	PO Box 129261
Affiliation City:	San Diego

PROGRESS METAL FABRICATION, 1020 LINDA VISTA DR, SAN MARCOS, CA, 92078 (Continued)

Affiliation State:	CA
Affiliation Country:	Not Reported
Affiliation Zip:	92112-9261
Affiliation Phone:	(858) 505-6880,

Affiliation Type Desc:	Environmental Contact
Entity Name:	SUSAN HARGROVE
Entity Title:	Not Reported
Affiliation Address:	1020B Linda Vista Dr
Affiliation City:	San Marcos
Affiliation State:	CA
Affiliation Country:	Not Reported
Affiliation Zip:	92078
Affiliation Phone:	,

Affiliation Type Desc:	Identification Signer
Entity Name:	Susan Hargrove
Entity Title:	Office Manager
Affiliation Address:	Not Reported
Affiliation City:	Not Reported
Affiliation State:	Not Reported
Affiliation Country:	Not Reported
Affiliation Zip:	Not Reported
Affiliation Phone:	,

Affiliation Type Desc:	Legal Owner
Entity Name:	JOHN R HARGROVE JR
Entity Title:	Not Reported
Affiliation Address:	1020B Linda Vista Dr
Affiliation City:	San Marcos
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	92078
Affiliation Phone:	(760) 744-8100,

Affiliation Type Desc:	Parent Corporation
Entity Name:	Mission Auto Repair
Entity Title:	Not Reported
Affiliation Address:	Not Reported
Affiliation City:	Not Reported
Affiliation State:	Not Reported
Affiliation Country:	Not Reported
Affiliation Zip:	Not Reported
Affiliation Phone:	,

Affiliation Type Desc:	Facility Mailing Address

PROGRESS METAL FABRICATION, 1020 LINDA VISTA DR, SAN MARCOS, CA, 92078 (Continued)

Entity Name:	Mailing Address
Entity Title:	Not Reported
Affiliation Address:	1020B Linda Vista Dr
Affiliation City:	San Marcos
Affiliation State:	CA
Affiliation Country:	Not Reported
Affiliation Zip:	92078
Affiliation Phone:	,

Affiliation Type Desc:	Operator
Entity Name:	JOHN R HARGROVE JR
Entity Title:	Not Reported
Affiliation Address:	Not Reported
Affiliation City:	Not Reported
Affiliation State:	Not Reported
Affiliation Country:	Not Reported
Affiliation Zip:	Not Reported
Affiliation Phone:	(760) 744-8100,

HWTS: Other Ascertainable Records

Name:	MISSION AUTO REPAIR
Address:	1020B LINDA VISTA DR
Address 2:	Not Reported
City,State,Zip:	SAN MARCOS, CA 92078
EPA ID:	CAL000375579
Inactive Date:	Not Reported
Create Date:	06/21/2012
Last Act Date:	Not Reported
Mailing Name:	Not Reported
Mailing Address:	1020-B LINDA VISTA DRIVE
Mailing Address 2:	Not Reported
Mailing City,State,Zip:	SAN MARCOS, CA 920782612
Owner Name:	JOHN R HARGROVE JR
Owner Address:	1020B LINDA VISTA DR
Owner Address 2:	Not Reported
Owner City,State,Zip:	SAN MARCOS, CA 920782612
Contact Name:	JOHN HARGROVE JR
Contact Address:	1020B LINDA VISTA DR
Contact Address 2:	Not Reported
City,State,Zip:	SAN MARCOS, CA 92078
Facility Status:	Active
Facility Type:	PERMANENT
Category:	STATE
Latitude:	33.13908478

PROGRESS METAL FABRICATION, 1020 LINDA VISTA DR, SAN MARCOS, CA, 92078 (Continued)

Longitude:	-117.1871163
NAICS:	

EPA ID:	CAL000375579
Create Date:	2012-06-21 11:55:17.243
NAICS Code:	811111
NAICS Description:	General Automotive Repair
Issued EPA ID Date:	2012-06-21 11:55:17.22700
Inactive Date:	Not Reported
Facility Name:	MISSION AUTO REPAIR
Facility Address:	1020B LINDA VISTA DR
Facility Address 2:	Not Reported
Facility City:	SAN MARCOS
Facility County:	Not Reported
Facility State:	CA
Facility Zip:	920782656

EPA ID:	CAL000375579
Create Date:	2013-04-02 07:48:29.000
NAICS Code:	811118
NAICS Description:	Other Automotive Mechanical and Electrical Repair and Maintenance
Issued EPA ID Date:	2012-06-21 11:55:17.22700
Inactive Date:	Not Reported
Facility Name:	MISSION AUTO REPAIR
Facility Address:	1020B LINDA VISTA DR
Facility Address 2:	Not Reported
Facility City:	SAN MARCOS
Facility County:	Not Reported
Facility State:	CA
Facility Zip:	920782656

MAP FINDINGS

BIGGS HARLEY DAVIDSON **1040 LOS VALLECITOS BLVD, SAN MARCOS, CA, 92069**			S121126804
Map ID: 45	Distance: NNW <1/10 (321 ft. / 0.061 mi.)	Elevation: 3 ft. Higher Elevation 547 ft. Above Sea Level	Local Lists of Hazardous waste / Contaminated Sites Local Lists of Registered Storage Tanks Other Ascertainable Records

Worksheet:

Impact on Target Property: VEC does not exist

Database Details:

HMMD SAN DIEGO: Local Lists of Hazardous waste / Contaminated Sites

Name:	NORTH COUNTY INDIAN MOTORCYCLE
Address:	1040 LOS VALLECITOS BLVD 102
City,State,Zip:	SAN MARCOS, CA 92069-8003
Permit Number:	Not Reported
Business Type:	Not Reported
EPA Id Number:	CAL000455541
APN:	Not Reported
Last HMMD Inspection:	Not Reported
Facility Telephone:	760-481-7300
Permit Status:	Permit Renewed
Permit Expiration:	Not Reported
Date Last Updated:	04/08/2022
Facility Owner:	Not Reported
Facility Mailing Address:	1040 Los Vallecitos Blvd Ste 102, San Marcos, CA 92069
Facility Mailing City:	Not Reported
Facility Mailing State:	Not Reported
Facility Mailing Zip:	Not Reported
UST Owner:	N
Handle Regulated Hazmat:	Not Reported
Own Or Operate UST:	Not Reported
Subject To APSA:	Not Reported
Generate Haz Waste:	Y
Treat Haz Waste:	N
Generate Medical Waste:	Not Reported
Inspection Violation:	

Record ID:	DEH2016-HUPFP-002363
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-002363
Program Element:	Hazardous Waste Generator
Inspection Type:	Routine

BIGGS HARLEY DAVIDSON, 1040 LOS VALLECITOS BLVD, SAN MARCOS, CA, 92069 (Continued)

Inspection Number:	5853430
Return To Compliance Date:	2020-07-09T00:00:00.000
Nov:	No
Violation Classification:	Class II
Underground Storage Tank Id:	Not Reported
Container/Tank Id:	Not Reported
Last Update:	2022-04-08T01:56:26.000
Inspection Date:	2018-01-19T00:00:00.000
Violation Code:	3010002 Failed to obtain &/or maintain an active EPA ID Number. 22 CCR 66262.12(a)

Record ID:	DEH2016-HUPFP-002363
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-002363
Program Element:	Hazardous Waste Generator
Inspection Type:	Routine
Inspection Number:	5853430
Return To Compliance Date:	2020-06-30T00:00:00.000
Nov:	No
Violation Classification:	Minor
Underground Storage Tank Id:	Not Reported
Container/Tank Id:	Not Reported
Last Update:	2022-04-08T01:56:26.000
Inspection Date:	2018-01-19T00:00:00.000
Violation Code:	3010010 Failed to maintain copies of Uniform Hazardous Waste Manifest, consolidated manifest, or Bills of Lading for 3 years. HSC 25160.2(b)(3), 25185(a)(4); 22 CCR 66262.40(a), 66262.23(a)(3)

Record ID:	DEH2016-HUPFP-002363
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-002363
Program Element:	Hazardous Materials Release Response Plans
Inspection Type:	Routine
Inspection Number:	5446775
Return To Compliance Date:	2016-02-19T00:00:00.000
Nov:	No
Violation Classification:	Class II
Underground Storage Tank Id:	Not Reported
Container/Tank Id:	Not Reported
Last Update:	2022-04-08T01:56:26.000
Inspection Date:	2016-02-19T09:48:47.000
Violation Code:	1010002 HMBP not submitted to the CUPA in CERS. HSC 25508(a)(1)(A); HSC 25404(e)(4); 27 CCR 15188(a), (d)

Record ID:	DEH2016-HUPFP-002363
Permit Status:	Permit Renewed

BIGGS HARLEY DAVIDSON, 1040 LOS VALLECITOS BLVD, SAN MARCOS, CA, 92069 (Continued)

Active Permit:	Y
Facility Id Number:	37-000-002363
Program Element:	Hazardous Materials Release Response Plans
Inspection Type:	Routine
Inspection Number:	5853430
Return To Compliance Date:	2020-07-22T00:00:00.000
Nov:	No
Violation Classification:	Class II
Underground Storage Tank Id:	Not Reported
Container/Tank Id:	Not Reported
Last Update:	2022-04-08T01:56:26.000
Inspection Date:	2018-01-19T00:00:00.000
Violation Code:	1020002 Initial &/or annual employee training not conducted in safety procedures for a hazardous material release or threatened release &/or employee training records not available or not maintained for 3 years. HSC 25505(a)(4); 19 CCR 2659(b)

Record ID:	DEH2016-HUPFP-002363
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-002363
Program Element:	Hazardous Materials Release Response Plans
Inspection Type:	Routine
Inspection Number:	5446775
Return To Compliance Date:	2016-02-19T00:00:00.000
Nov:	No
Violation Classification:	Class II
Underground Storage Tank Id:	Not Reported
Container/Tank Id:	Not Reported
Last Update:	2022-04-08T01:56:26.000
Inspection Date:	2016-02-19T09:48:47.000
Violation Code:	1010001 HMBP not established/ implemented. HSC 25505(a) and 25507(a)

Record ID:	DEH2016-HUPFP-002363
Permit Status:	Permit Renewed
Active Permit:	Y
Facility Id Number:	37-000-002363
Program Element:	Hazardous Materials Release Response Plans
Inspection Type:	Routine
Inspection Number:	5853430
Return To Compliance Date:	2018-01-19T00:00:00.000
Nov:	No
Violation Classification:	Class II
Underground Storage Tank Id:	Not Reported
Container/Tank Id:	Not Reported
Last Update:	2022-04-08T01:56:26.000
Inspection Date:	2018-01-19T00:00:00.000
Violation Code:	1010004 Chemical inventory incomplete or not submitted in CERS. HSC

BIGGS HARLEY DAVIDSON, 1040 LOS VALLECITOS BLVD, SAN MARCOS, CA, 92069 (Continued)

25505(a)(1); 25507(a); 25508.1(a-b); 19 CCR 2654 (a) or (d)

Waste and Materials:

Record ID:	DEH2016-HUPFP-002363
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2021-HWAST-0261809
Trade Secret:	N
Hazardous Material Type:	Not Reported
Last Updated:	2022-04-02T02:32:21.000
Chemical Name:	Parts Washer Waste
Common Name:	Parts Washer Waste
Case Number:	Not Reported

Record ID:	DEH2016-HUPFP-002363
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2021-HWAST-0261810
Trade Secret:	N
Hazardous Material Type:	Not Reported
Last Updated:	2022-04-02T02:32:21.000
Chemical Name:	Used Paraffinic Petroleum Distillates
Common Name:	Used Lubricating Oils
Case Number:	Not Reported

Record ID:	DEH2016-HUPFP-002363
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2022-HCHEM-0326643
Trade Secret:	N
Hazardous Material Type:	Mixture
Last Updated:	2022-04-08T01:56:29.000
Chemical Name:	Paraffinic Petroleum Distillates
Common Name:	Lubricating Oils
Case Number:	68476-77-7

Record ID:	DEH2016-HUPFP-002363
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2022-HWAST-0293549
Trade Secret:	N
Hazardous Material Type:	Not Reported
Last Updated:	2022-04-08T01:56:29.000
Chemical Name:	Parts Washer Waste
Common Name:	Parts Washer Waste

BIGGS HARLEY DAVIDSON, 1040 LOS VALLECITOS BLVD, SAN MARCOS, CA, 92069 (Continued)

Case Number:	Not Reported

Record ID:	DEH2016-HUPFP-002363
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2022-HWAST-0293550
Trade Secret:	N
Hazardous Material Type:	Not Reported
Last Updated:	2022-04-08T01:56:29.000
Chemical Name:	Used Paraffinic Petroleum Distillates
Common Name:	Used Lubricating Oils
Case Number:	Not Reported

Record ID:	DEH2016-HUPFP-002363
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2016-HWAST-0074604
Trade Secret:	N
Hazardous Material Type:	Not Reported
Last Updated:	2017-05-20T02:30:32.000
Chemical Name:	PARTS WASHER
Common Name:	PARTS WASHER
Case Number:	Not Reported

Record ID:	DEH2016-HUPFP-002363
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2016-HWAST-0074603
Trade Secret:	N
Hazardous Material Type:	Not Reported
Last Updated:	2017-05-20T02:30:32.000
Chemical Name:	Lubricating oils, used
Common Name:	Used lubricating oils
Case Number:	Not Reported

Record ID:	DEH2016-HUPFP-002363
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2020-HCHEM-0270676
Trade Secret:	N
Hazardous Material Type:	Mixture
Last Updated:	2020-07-30T02:30:49.000
Chemical Name:	Paraffinic Petroleum Distillates
Common Name:	Lubricating Oils
Case Number:	68476-77-7

BIGGS HARLEY DAVIDSON, 1040 LOS VALLECITOS BLVD, SAN MARCOS, CA, 92069 (Continued)

Record ID:	DEH2016-HUPFP-002363
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2020-HWAST-0240758
Trade Secret:	N
Hazardous Material Type:	Not Reported
Last Updated:	2020-07-30T02:30:49.000
Chemical Name:	Parts Washer Waste
Common Name:	Parts Washer Waste
Case Number:	Not Reported

Record ID:	DEH2016-HUPFP-002363
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2020-HWAST-0240759
Trade Secret:	N
Hazardous Material Type:	Not Reported
Last Updated:	2020-07-30T02:30:49.000
Chemical Name:	Used Paraffinic Petroleum Distillates
Common Name:	Used Lubricating Oils
Case Number:	Not Reported

Record ID:	DEH2016-HUPFP-002363
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2021-HCHEM-0292766
Trade Secret:	N
Hazardous Material Type:	Mixture
Last Updated:	2022-04-02T02:32:21.000
Chemical Name:	Paraffinic Petroleum Distillates
Common Name:	Lubricating Oils
Case Number:	68476-77-7

Record ID:	DEH2016-HUPFP-002363
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2018-HCHEM-0167994
Trade Secret:	N
Hazardous Material Type:	Pure
Last Updated:	2019-04-03T02:36:35.000
Chemical Name:	Lubricating oils
Common Name:	lubricating oils
Case Number:	68476-77-7

Record ID:	DEH2016-HUPFP-002363
Permit Status:	Permit Renewed

BIGGS HARLEY DAVIDSON, 1040 LOS VALLECITOS BLVD, SAN MARCOS, CA, 92069 (Continued)

Active Permit:	Y
Child Record Id:	DEH2018-HWAST-0142460
Trade Secret:	N
Hazardous Material Type:	Not Reported
Last Updated:	2019-04-03T02:36:35.000
Chemical Name:	PARTS WASHER
Common Name:	PARTS WASHER
Case Number:	Not Reported

Record ID:	DEH2016-HUPFP-002363
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2018-HWAST-0142461
Trade Secret:	N
Hazardous Material Type:	Not Reported
Last Updated:	2019-04-03T02:36:35.000
Chemical Name:	Lubricating oils, used
Common Name:	Used lubricating oils
Case Number:	Not Reported

Record ID:	DEH2016-HUPFP-002363
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2020-HWAST-0243911
Trade Secret:	N
Hazardous Material Type:	Not Reported
Last Updated:	2021-01-23T01:56:21.000
Chemical Name:	Parts Washer Waste
Common Name:	Parts Washer Waste
Case Number:	Not Reported

Record ID:	DEH2016-HUPFP-002363
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2020-HCHEM-0275378
Trade Secret:	N
Hazardous Material Type:	Mixture
Last Updated:	2021-01-23T01:56:21.000
Chemical Name:	Paraffinic Petroleum Distillates
Common Name:	Lubricating Oils
Case Number:	68476-77-7

Record ID:	DEH2016-HUPFP-002363
Permit Status:	Permit Renewed
Active Permit:	Y
Child Record Id:	DEH2020-HWAST-0243912

BIGGS HARLEY DAVIDSON, 1040 LOS VALLECITOS BLVD, SAN MARCOS, CA, 92069 (Continued)

Trade Secret:	N
Hazardous Material Type:	Not Reported
Last Updated:	2021-01-23T01:56:21.000
Chemical Name:	Used Paraffinic Petroleum Distillates
Common Name:	Used Lubricating Oils
Case Number:	Not Reported

CERS HAZ WASTE: Local Lists of Hazardous waste / Contaminated Sites

Name:	BIGGS HARLEY DAVIDSON
Address:	1040 LOS VALLECITOS BLVD
City,State,Zip:	SAN MARCOS, CA 92069
Site ID:	12342
CERS ID:	10376494
CERS Description:	Hazardous Waste Generator

Name:	NORTH COUNTY INDIAN MOTORCYCLE
Address:	1040 LOS VALLECITOS BLVD STE 102
City,State,Zip:	SAN MARCOS, CA 92069
Site ID:	358558
CERS ID:	10641187
CERS Description:	Hazardous Waste Generator

CERS TANKS: Local Lists of Registered Storage Tanks

Name:	BIGGS HARLEY DAVIDSON
Address:	1040 LOS VALLECITOS BLVD
City,State,Zip:	SAN MARCOS, CA 92069
Site ID:	12342
CERS ID:	10376494
CERS Description:	Aboveground Petroleum Storage

HAZNET: Other Ascertainable Records

Name:	SAN MARCOS INDIAN MOTORCYCLE LLC DBA NORTH COUNTY INDIAN MOTORCYCLE
Address:	1040 LOS VALLECITOS BLVD STE 102
Address 2:	Not Reported
City,State,Zip:	SAN MARCOS, CA 92069
Contact:	HARTMAN LILLIBRIDGE
Telephone:	7605663859
Mailing Name:	Not Reported
Mailing Address:	1040 LOS VALLECITOS BLVD STE 102

BIGGS HARLEY DAVIDSON, 1040 LOS VALLECITOS BLVD, SAN MARCOS, CA, 92069 (Continued)

Year:	2021
Gepaid:	CAL000455541
TSD EPA ID:	CAT080013352
CA Waste Code:	221 - Waste oil and mixed oil
Disposal Method:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Tons:	1.10508

Year:	2020
Gepaid:	CAL000455541
TSD EPA ID:	CAT080013352
CA Waste Code:	221 - Waste oil and mixed oil
Disposal Method:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Tons:	0.38

CERS: Other Ascertainable Records

Name:	BIGGS HARLEY DAVIDSON
Address:	1040 LOS VALLECITOS BLVD
City,State,Zip:	SAN MARCOS, CA 92069
Site ID:	12342
CERS ID:	10376494
CERS Description:	Chemical Storage Facilities
Violations:	

Site ID:	12342
Site Name:	BIGGS HARLEY DAVIDSON
Violation Date:	08-31-2021
Citation:	HSC 6.5 Multiple - California Health and Safety Code, Chapter 6.5, Section(s) Multiple
Violation Description:	Hazardous Waste Generator Program - Operations/Maintenance - General
Violation Notes:	Returned to compliance on 09/21/2021. Inspection Sequence ID:6798013;Violation:HMD0152 Failed to report &/or update the required inventory information for hazardous waste(s) generated at the facility in CERS. SDCC 68.904(a)(2)
Violation Division:	San Diego County Department of Env Health
Violation Program:	HW
Violation Source:	CERS,

Site ID:	12342
Site Name:	BIGGS HARLEY DAVIDSON
Violation Date:	08-29-2016
Citation:	HSC 6.95 25505(a)(4) - California Health and Safety Code, Chapter 6.95, Section(s) 25505(a)(4)

BIGGS HARLEY DAVIDSON, 1040 LOS VALLECITOS BLVD, SAN MARCOS, CA, 92069 (Continued)

Violation Description:	Failure to provide initial and annual training to all employees in safety procedures in the event of a release or threatened release of a hazardous material or failure to document and maintain training records for a minimum of three years.
Violation Notes:	Returned to compliance on 09/15/2016.
Violation Division:	San Diego County Department of Env Health
Violation Program:	HMRRP
Violation Source:	CERS,

Site ID:	12342
Site Name:	BIGGS HARLEY DAVIDSON
Violation Date:	08-29-2016
Citation:	HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description:	Failure to complete and electronically submit hazardous material inventory information for all reportable hazardous materials on site at or above reportable quantities.
Violation Notes:	Returned to compliance on 09/08/2016.
Violation Division:	San Diego County Department of Env Health
Violation Program:	HMRRP
Violation Source:	CERS,

Site ID:	12342
Site Name:	BIGGS HARLEY DAVIDSON
Violation Date:	05-09-2014
Citation:	HSC 6.67 Multiple - California Health and Safety Code, Chapter 6.67, Section(s) Multiple
Violation Description:	Haz Waste Generator Program - Administration/Documentation - General
Violation Notes:	Returned to compliance on 06/05/2014. Inspection Sequence ID:4091434;Violation:HMD0138 Manifest signed by the Treatment, Storage, Disposal Facility (TSDF) not available for inspection. 66262.40(a).
Violation Division:	San Diego County Department of Env Health
Violation Program:	HW
Violation Source:	CERS,

Site ID:	12342
Site Name:	BIGGS HARLEY DAVIDSON
Violation Date:	05-09-2014
Citation:	22 CCR 12 66262.40(a) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.40(a)
Violation Description:	Failure to maintain uniform hazardous waste manifest, consolidated manifest, or bills of lading copies for three years.
Violation Notes:	Returned to compliance on 06/05/2014. Inspection Sequence ID:4091434
Violation Division:	San Diego County Department of Env Health
Violation Program:	HW
Violation Source:	CERS,

Site ID:	12342
Site Name:	BIGGS HARLEY DAVIDSON
Violation Date:	05-09-2014

BIGGS HARLEY DAVIDSON, 1040 LOS VALLECITOS BLVD, SAN MARCOS, CA, 92069 (Continued)

Citation:	HSC 6.95 25504(c) - California Health and Safety Code, Chapter 6.95, Section(s) 25504(c)
Violation Description:	Failure to include provisions in the business plan to ensure that appropriate personnel receive initial and annual training.
Violation Notes:	Returned to compliance on 06/05/2014. Inspection Sequence ID:4091434
Violation Division:	San Diego County Department of Env Health
Violation Program:	HMRRP
Violation Source:	CERS,

Site ID:	12342
Site Name:	BIGGS HARLEY DAVIDSON
Violation Date:	08-29-2016
Citation:	HSC 6.95 25508.1(a)-(f) - California Health and Safety Code, Chapter 6.95, Section(s) 25508.1(a)-(f)
Violation Description:	Failure to electronically update business plan within 30 days of any one of the following events: A 100 percent or more increase in the quantity of a previously disclosed material. Any handling of a previously undisclosed hazardous materials at or above reportable quantities. A change of business address, business ownership, or business name. A substantial change in the handler's operations that requires modification to any portion of the business plan.
Violation Notes:	Returned to compliance on 09/08/2016.
Violation Division:	San Diego County Department of Env Health
Violation Program:	HMRRP
Violation Source:	CERS,

Site ID:	12342
Site Name:	BIGGS HARLEY DAVIDSON
Violation Date:	08-29-2016
Citation:	22 CCR 12 66262.40(a) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.40(a)
Violation Description:	Failure to keep a copy of each properly signed manifest for at least three years from the date the waste was accepted by the initial transporter. The manifest signed at the time the waste was accepted for transport shall be kept until receiving a signed copy from the designated facility which received the waste.
Violation Notes:	Returned to compliance on 09/15/2016.
Violation Division:	San Diego County Department of Env Health
Violation Program:	HW
Violation Source:	CERS,

Evaluation:

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	08-29-2016
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Inspector: Calcagno Leonardo Inspection ID:5433014
Eval Division:	San Diego County Department of Env Health
Eval Program:	HW
Eval Source:	CERS,

BIGGS HARLEY DAVIDSON, 1040 LOS VALLECITOS BLVD, SAN MARCOS, CA, 92069 (Continued)

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	08-31-2021
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Inspector: Shaker Mirna Inspection ID:6798013
Eval Division:	San Diego County Department of Env Health
Eval Program:	HW
Eval Source:	CERS,

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	09-07-2018
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Inspector: Kieu Bridget Inspection ID:5986766
Eval Division:	San Diego County Department of Env Health
Eval Program:	HW
Eval Source:	CERS,

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	05-09-2014
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Inspector: Beacon Ellen Inspection ID:4091434
Eval Division:	San Diego County Department of Env Health
Eval Program:	HW
Eval Source:	CERS,

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	09-07-2018
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Inspector: Kieu Bridget Inspection ID:5986766
Eval Division:	San Diego County Department of Env Health
Eval Program:	HMRRP
Eval Source:	CERS,

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	05-09-2014
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Inspector: Beacon Ellen Inspection ID:4091434
Eval Division:	San Diego County Department of Env Health
Eval Program:	HMRRP
Eval Source:	CERS,

BIGGS HARLEY DAVIDSON, 1040 LOS VALLECITOS BLVD, SAN MARCOS, CA, 92069 (Continued)

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	08-29-2016
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Inspector: Calcagno Leonardo Inspection ID:5433014
Eval Division:	San Diego County Department of Env Health
Eval Program:	HMRRP
Eval Source:	CERS,

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	08-31-2021
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Inspector: Shaker Mirna Inspection ID:6798013
Eval Division:	San Diego County Department of Env Health
Eval Program:	HMRRP
Eval Source:	CERS,

Affiliation:

Affiliation Type Desc:	Document Preparer
Entity Name:	Kathy Datuin, KPA
Entity Title:	Not Reported
Affiliation Address:	Not Reported
Affiliation City:	Not Reported
Affiliation State:	Not Reported
Affiliation Country:	Not Reported
Affiliation Zip:	Not Reported
Affiliation Phone:	,

Affiliation Type Desc:	Identification Signer
Entity Name:	Hartman Lillibridge
Entity Title:	Office Manager
Affiliation Address:	Not Reported
Affiliation City:	Not Reported
Affiliation State:	Not Reported
Affiliation Country:	Not Reported
Affiliation Zip:	Not Reported
Affiliation Phone:	,

Affiliation Type Desc:	CUPA District
Entity Name:	San Diego County Env Health Qlty
Entity Title:	Not Reported
Affiliation Address:	PO Box 129261

BIGGS HARLEY DAVIDSON, 1040 LOS VALLECITOS BLVD, SAN MARCOS, CA, 92069 (Continued)

Affiliation City:	San Diego
Affiliation State:	CA
Affiliation Country:	Not Reported
Affiliation Zip:	92112-9261
Affiliation Phone:	(858) 505-6880,

Affiliation Type Desc:	Legal Owner
Entity Name:	Richard Lillibridtge
Entity Title:	Not Reported
Affiliation Address:	1040 Los Vallecitos Blvd #113
Affiliation City:	San Marcos
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	92069
Affiliation Phone:	(760) 481-7300,

Affiliation Type Desc:	Environmental Contact
Entity Name:	Kieran O'Muicheirtaigh
Entity Title:	Not Reported
Affiliation Address:	1040 Los Vallecitos Blvd #113
Affiliation City:	San Marcos
Affiliation State:	CA
Affiliation Country:	Not Reported
Affiliation Zip:	92069
Affiliation Phone:	,

Affiliation Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	Not Reported
Affiliation Address:	1040 Los Vallecitos Blvd #113
Affiliation City:	San Marcos
Affiliation State:	CA
Affiliation Country:	Not Reported
Affiliation Zip:	92069
Affiliation Phone:	,

Affiliation Type Desc:	Operator
Entity Name:	AMERICAN MOTOR HEAD, INC
Entity Title:	Not Reported
Affiliation Address:	Not Reported
Affiliation City:	Not Reported
Affiliation State:	Not Reported
Affiliation Country:	Not Reported
Affiliation Zip:	Not Reported
Affiliation Phone:	(760) 481-7300,

BIGGS HARLEY DAVIDSON, 1040 LOS VALLECITOS BLVD, SAN MARCOS, CA, 92069 (Continued)

Affiliation Type Desc:	Parent Corporation
Entity Name:	BIGGS HARLEY DAVIDSON
Entity Title:	Not Reported
Affiliation Address:	Not Reported
Affiliation City:	Not Reported
Affiliation State:	Not Reported
Affiliation Country:	Not Reported
Affiliation Zip:	Not Reported
Affiliation Phone:	,

Name:	NORTH COUNTY INDIAN MOTORCYCLE
Address:	1040 LOS VALLECITOS BLVD STE 102
City,State,Zip:	SAN MARCOS, CA 92069
Site ID:	358558
CERS ID:	10641187
CERS Description:	Chemical Storage Facilities
Violations:	

Site ID:	358558
Site Name:	North County Indian Motorcycle
Violation Date:	02-19-2016
Citation:	HSC 6.95 25508(d) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(d)
Violation Description:	Failure to complete and/or electronically submit a business plan when storing/handling a hazardous material at or above reportable quantities.
Violation Notes:	Returned to compliance on 02/19/2016. Inspection Sequence ID:5446775
Violation Division:	San Diego County Department of Env Health
Violation Program:	HMRRP
Violation Source:	CERS,

Site ID:	358558
Site Name:	North County Indian Motorcycle
Violation Date:	01-19-2018
Citation:	HSC 6.95 25505(a)(4) - California Health and Safety Code, Chapter 6.95, Section(s) 25505(a)(4)
Violation Description:	Failure to provide initial and annual training to all employees in safety procedures in the event of a release or threatened release of a hazardous material or failure to document and maintain training records for a minimum of three years.
Violation Notes:	Returned to compliance on 07/22/2020. Inspection Sequence ID:5853430
Violation Division:	San Diego County Department of Env Health
Violation Program:	HMRRP
Violation Source:	CERS,

Site ID:	358558
Site Name:	North County Indian Motorcycle
Violation Date:	01-19-2018

BIGGS HARLEY DAVIDSON, 1040 LOS VALLECITOS BLVD, SAN MARCOS, CA, 92069 (Continued)

Citation:	22 CCR 12 66262.40(a) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.40(a)
Violation Description:	Failure to keep a copy of each properly signed manifest for at least three years from the date the waste was accepted by the initial transporter. The manifest signed at the time the waste was accepted for transport shall be kept until receiving a signed copy from the designated facility which received the waste.
Violation Notes:	Returned to compliance on 06/30/2020. Inspection Sequence ID:5853430
Violation Division:	San Diego County Department of Env Health
Violation Program:	HW
Violation Source:	CERS,

Site ID:	358558
Site Name:	North County Indian Motorcycle
Violation Date:	02-19-2016
Citation:	HSC 6.95 25507 - California Health and Safety Code, Chapter 6.95, Section(s) 25507
Violation Description:	Failure to adequately establish and implement a business plan when storing/handling a hazardous material at or above reportable quantities.
Violation Notes:	Returned to compliance on 02/19/2016. Inspection Sequence ID:5446775
Violation Division:	San Diego County Department of Env Health
Violation Program:	HMRRP
Violation Source:	CERS,

Site ID:	358558
Site Name:	North County Indian Motorcycle
Violation Date:	01-19-2018
Citation:	HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description:	Failure to complete and electronically submit hazardous material inventory information for all reportable hazardous materials on site at or above reportable quantities.
Violation Notes:	Returned to compliance on 01/19/2018. Inspection Sequence ID:5853430
Violation Division:	San Diego County Department of Env Health
Violation Program:	HMRRP
Violation Source:	CERS,

Site ID:	358558
Site Name:	North County Indian Motorcycle
Violation Date:	01-19-2018
Citation:	22 CCR 12 66262.12 - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.12
Violation Description:	Failure to obtain an Identification Number prior to treating, storing, disposing of, transporting or offering for transportation any hazardous waste.
Violation Notes:	Returned to compliance on 07/09/2020. Inspection Sequence ID:5853430
Violation Division:	San Diego County Department of Env Health
Violation Program:	HW
Violation Source:	CERS,

Evaluation:

BIGGS HARLEY DAVIDSON, 1040 LOS VALLECITOS BLVD, SAN MARCOS, CA, 92069 (Continued)

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	01-19-2018
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Inspector: Zmily Zanalee Inspection ID:5853430
Eval Division:	San Diego County Department of Env Health
Eval Program:	HW
Eval Source:	CERS,

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	02-19-2016
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Inspector: Calcagno Leonardo Inspection ID:5446775
Eval Division:	San Diego County Department of Env Health
Eval Program:	HMRRP
Eval Source:	CERS,

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	02-19-2016
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Inspector: Calcagno Leonardo Inspection ID:5446775
Eval Division:	San Diego County Department of Env Health
Eval Program:	HMRRP
Eval Source:	CERS,

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	01-19-2018
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Inspector: Zmily Zanalee Inspection ID:5853430
Eval Division:	San Diego County Department of Env Health
Eval Program:	HMRRP
Eval Source:	CERS,

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	02-19-2016
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Inspector: Calcagno Leonardo Inspection ID:5446775
Eval Division:	San Diego County Department of Env Health
Eval Program:	HW
Eval Source:	CERS,

BIGGS HARLEY DAVIDSON, 1040 LOS VALLECITOS BLVD, SAN MARCOS, CA, 92069 (Continued)

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	01-22-2021
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Inspector: Shaker Mirna Inspection ID:6362116
Eval Division:	San Diego County Department of Env Health
Eval Program:	HMRRP
Eval Source:	CERS,

Affiliation:

Affiliation Type Desc:	Environmental Contact
Entity Name:	NORMA ZDON
Entity Title:	Not Reported
Affiliation Address:	1040 Los Vallecitos Blvd Ste 102
Affiliation City:	San Marcos
Affiliation State:	CA
Affiliation Country:	Not Reported
Affiliation Zip:	92069
Affiliation Phone:	,

Affiliation Type Desc:	Identification Signer
Entity Name:	Norma Zdon
Entity Title:	SERVICE MANAGER
Affiliation Address:	Not Reported
Affiliation City:	Not Reported
Affiliation State:	Not Reported
Affiliation Country:	Not Reported
Affiliation Zip:	Not Reported
Affiliation Phone:	,

Affiliation Type Desc:	Parent Corporation
Entity Name:	NORTH COUNTY INDIAN MOTORCYCLE
Entity Title:	Not Reported
Affiliation Address:	Not Reported
Affiliation City:	Not Reported
Affiliation State:	Not Reported
Affiliation Country:	Not Reported
Affiliation Zip:	Not Reported
Affiliation Phone:	,

Affiliation Type Desc:	Document Preparer
Entity Name:	Kathy Datuin, KPA
Entity Title:	Not Reported

BIGGS HARLEY DAVIDSON, 1040 LOS VALLECITOS BLVD, SAN MARCOS, CA, 92069 (Continued)

Affiliation Address:	Not Reported
Affiliation City:	Not Reported
Affiliation State:	Not Reported
Affiliation Country:	Not Reported
Affiliation Zip:	Not Reported
Affiliation Phone:	,

Affiliation Type Desc:	Legal Owner
Entity Name:	San Marcos Indian Motorcycle LLC
Entity Title:	Not Reported
Affiliation Address:	1040 Los Vallecitos Blvd Ste 102
Affiliation City:	San Marcos
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	92069
Affiliation Phone:	(760) 807-6447,

Affiliation Type Desc:	Operator
Entity Name:	Hartman Lillibridge
Entity Title:	Not Reported
Affiliation Address:	Not Reported
Affiliation City:	Not Reported
Affiliation State:	Not Reported
Affiliation Country:	Not Reported
Affiliation Zip:	Not Reported
Affiliation Phone:	(760) 798-4030,

Affiliation Type Desc:	CUPA District
Entity Name:	San Diego County Env Health Qlty
Entity Title:	Not Reported
Affiliation Address:	PO Box 129261
Affiliation City:	San Diego
Affiliation State:	CA
Affiliation Country:	Not Reported
Affiliation Zip:	92112-9261
Affiliation Phone:	(858) 505-6880,

Affiliation Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	Not Reported
Affiliation Address:	1040 Los Vallecitos Blvd Ste 102
Affiliation City:	San Marcos
Affiliation State:	CA
Affiliation Country:	Not Reported
Affiliation Zip:	92069
Affiliation Phone:	,

BIGGS HARLEY DAVIDSON, 1040 LOS VALLECITOS BLVD, SAN MARCOS, CA, 92069 (Continued)

HWTS: Other Ascertainable Records

Name:	SAN MARCOS INDIAN MOTORCYCLE LLC DBA NORTH COUNTY INDIAN MOTORCYCLE
Address:	1040 LOS VALLECITOS BLVD STE 102
Address 2:	Not Reported
City,State,Zip:	SAN MARCOS, CA 92069
EPA ID:	CAL000455541
Inactive Date:	06/30/2021
Create Date:	07/09/2020
Last Act Date:	Not Reported
Mailing Name:	Not Reported
Mailing Address:	1040 LOS VALLECITOS BLVD STE 102
Mailing Address 2:	Not Reported
Mailing City,State,Zip:	SAN MARCOS, CA 92069
Owner Name:	SAN MARCOS INDIAN MOTORCYCLE LLC
Owner Address:	1040 LOS VALLECITOS BLVD STE 102
Owner Address 2:	Not Reported
Owner City,State,Zip:	SAN MARCOS, CA 92069
Contact Name:	HARTMAN LILLIBRIDGE
Contact Address:	1040 LOS VALLECITOS BLVD STE 102
Contact Address 2:	Not Reported
City,State,Zip:	SAN MARCOS, CA 92069
Facility Status:	Inactive
Facility Type:	PERMANENT
Category:	STATE
Latitude:	33.14266998
Longitude:	-117.18590604
NAICS:	

EPA ID:	CAL000455541
Create Date:	2020-07-09 10:53:18.490
NAICS Code:	441228
NAICS Description:	Motorcycle, ATV, and All Other Motor Vehicle Dealers
Issued EPA ID Date:	2020-07-09 10:53:18.44300
Inactive Date:	Not Reported
Facility Name:	SAN MARCOS INDIAN MOTORCYCLE LLC DBA NORTH COUNTY INDIAN MOTORCYCLE
Facility Address:	1040 LOS VALLECITOS BLVD STE 102
Facility Address 2:	Not Reported
Facility City:	SAN MARCOS
Facility County:	Not Reported
Facility State:	CA
Facility Zip:	92069

BIGGS HARLEY DAVIDSON, 1040 LOS VALLECITOS BLVD, SAN MARCOS, CA, 92069 (Continued)

MAP FINDINGS

SPANJIAN/ DUFOUR 1050 LOS VALLECITOS, SAN MARCOS, CA, 92069			S105692328
Map ID: 46	Distance: NNW <1/10 (322 ft. / 0.061 mi.)	Elevation: 3 ft. Higher Elevation 547 ft. Above Sea Level	Lists of state and tribal leaking storage tanks Other Ascertainable Records

Worksheet:

Impact on Target Property: VEC does not exist

Comments: The hydrologic characteristics of the physical setting suggest that vapors would not migrate from the source to the target property.
The source is not within the area of concern, based on its distance, gradient and suspected chemical of concern.

Database Details:

SAN DIEGO CO. SAM: Lists of state and tribal leaking storage tanks

Name:	SPANJIAN BLDG
Address:	1050 LOS VALLECITOS BL
City,State,Zip:	SAN MARCOS, CA 920691410
Case Number:	H29237-001
Agency:	CA Regional Water Quality Control Board
Funding:	Non Billable
Facility Type:	Soils Only
Facility Status:	Remedial Action (Clean-Up)
Date:	7/10/1989
Date Began:	7/10/1989

SLIC REG 9: Lists of state and tribal leaking storage tanks

Name:	SPANJIAN/ DUFOUR
Address:	1050 LOS VALLECITOS
City:	SAN MARCOS
Region:	9
Facilty Type:	Cleanup And Abatement Order
Status:	Dead
Sort Code:	20-0020.05
Waste Discharger Id:	Not Reported
Local Case Num:	Not Reported
Responsible Party:	SPANJIAN
Category:	ENFORCEMENT
Class:	SLIC
Order Number:	92-82
File Number:	1
Date Entered:	09/1981
End Date:	11/1989

SPANJIAN/ DUFOUR, 1050 LOS VALLECITOS, SAN MARCOS, CA, 92069 (Continued)

Archive Box #:	909
Archive Box Storage:	3-1-12R
Archive Box Storage Location:	Not Reported
Remarks:	Not Reported

Name:	SPANJIAN/ DUFOUR
Address:	1050 LOS VALLECITOS
City:	SAN MARCOS
Region:	9
Facilty Type:	Cleanup And Abatement Order
Status:	Dead
Sort Code:	20-0020.05
Waste Discharger Id:	Not Reported
Local Case Num:	Not Reported
Responsible Party:	SPANJIAN
Category:	ENFORCEMENT
Class:	SLIC
Order Number:	92-82
File Number:	2
Date Entered:	12/1989
End Date:	03/1991
Archive Box #:	909
Archive Box Storage:	3-1-12R
Archive Box Storage Location:	Not Reported
Remarks:	Not Reported

Name:	SPANJIAN/ DUFOUR
Address:	1050 LOS VALLECITOS
City:	SAN MARCOS
Region:	9
Facilty Type:	Cleanup And Abatement Order
Status:	Dead
Sort Code:	20-0020.05
Waste Discharger Id:	Not Reported
Local Case Num:	Not Reported
Responsible Party:	SPANJIAN
Category:	ENFORCEMENT
Class:	SLIC
Order Number:	92-82
File Number:	3
Date Entered:	04/1991
End Date:	08/1992
Archive Box #:	909
Archive Box Storage:	3-1-12R
Archive Box Storage Location:	Not Reported
Remarks:	Not Reported

SPANJIAN/ DUFOUR, 1050 LOS VALLECITOS, SAN MARCOS, CA, 92069 (Continued)

Name:	SPANJIAN/ DUFOUR
Address:	1050 LOS VALLECITOS
City:	SAN MARCOS
Region:	9
Facilty Type:	Cleanup And Abatement Order
Status:	Dead
Sort Code:	20-0020.05
Waste Discharger Id:	Not Reported
Local Case Num:	Not Reported
Responsible Party:	SPANJIAN
Category:	ENFORCEMENT
Class:	SLIC
Order Number:	92-82
File Number:	4
Date Entered:	08/1992
End Date:	10/1992
Archive Box #:	909
Archive Box Storage:	3-1-12R
Archive Box Storage Location:	Not Reported
Remarks:	Not Reported

Name:	SPANJIAN/ DUFOUR
Address:	1050 LOS VALLECITOS
City:	SAN MARCOS
Region:	9
Facilty Type:	Cleanup And Abatement Order
Status:	Dead
Sort Code:	20-0020.05
Waste Discharger Id:	Not Reported
Local Case Num:	Not Reported
Responsible Party:	SPANJIAN
Category:	ENFORCEMENT
Class:	SLIC
Order Number:	93-22
File Number:	5
Date Entered:	11/1992
End Date:	02/1994
Archive Box #:	909
Archive Box Storage:	3-1-12R
Archive Box Storage Location:	Not Reported
Remarks:	Not Reported

Name:	SPANJIAN/ DUFOUR
Address:	1050 LOS VALLECITOS
City:	SAN MARCOS

SPANJIAN/ DUFOUR, 1050 LOS VALLECITOS, SAN MARCOS, CA, 92069 (Continued)

Region:	9
Facilty Type:	Cleanup And Abatement Order
Status:	Open
Sort Code:	20-0020.05
Waste Discharger Id:	Not Reported
Local Case Num:	Not Reported
Responsible Party:	SPANJIAN
Category:	ENFORCEMENT
Class:	SLIC
Order Number:	93-22
File Number:	6
Date Entered:	03/1994
End Date:	Not Reported
Archive Box #:	0
Archive Box Storage:	Not Reported
Archive Box Storage Location:	Not Reported
Remarks:	Not Reported

Name:	SPANJIAN/ DUFOUR
Address:	1050 LOS VALLECITOS
City:	SAN MARCOS
Region:	9
Facilty Type:	Cleanup And Abatement Order
Status:	Dead
Sort Code:	20-0020.051
Waste Discharger Id:	Not Reported
Local Case Num:	Not Reported
Responsible Party:	SPANJIAN
Category:	ENF. REPORT
Class:	SLIC
Order Number:	92-82
File Number:	1
Date Entered:	06/1989
End Date:	09/1991
Archive Box #:	909
Archive Box Storage:	3-1-12R
Archive Box Storage Location:	Not Reported
Remarks:	Not Reported

Name:	SPANJIAN/ DUFOUR
Address:	1050 LOS VALLECITOS
City:	SAN MARCOS
Region:	9
Facilty Type:	Cleanup And Abatement Order
Status:	Dead
Sort Code:	20-0020.051
Waste Discharger Id:	Not Reported

SPANJIAN/ DUFOUR, 1050 LOS VALLECITOS, SAN MARCOS, CA, 92069 (Continued)

Local Case Num:	Not Reported
Responsible Party:	SPANJIAN
Category:	ENF. REPORT
Class:	SLIC
Order Number:	93-22
File Number:	2
Date Entered:	10/1991
End Date:	03/1996
Archive Box #:	909
Archive Box Storage:	3-1-12R
Archive Box Storage Location:	Not Reported
Remarks:	Not Reported

Name:	SPANJIAN/ DUFOUR
Address:	1050 LOS VALLECITOS
City:	SAN MARCOS
Region:	9
Facilty Type:	Cleanup And Abatement Order
Status:	Open
Sort Code:	20-0020.051
Waste Discharger Id:	Not Reported
Local Case Num:	Not Reported
Responsible Party:	SPANJIAN
Category:	ENF. REPORT
Class:	SLIC
Order Number:	92-82
File Number:	3
Date Entered:	04/1996
End Date:	Not Reported
Archive Box #:	0
Archive Box Storage:	Not Reported
Archive Box Storage Location:	Not Reported
Remarks:	Not Reported

CPS-SLIC:

Name:	NORTH COUNTY FACTORY OUTLET (FORMERLY SPANJIAN/DUFOUR)
Address:	1050 LOS VALLECITOS BLVD.
City,State,Zip:	SAN MARCOS, CA 92069
Region:	STATE
Facility Status:	Completed - Case Closed
Status Date:	06/30/2014
Global Id:	SL0607396081
Lead Agency:	SAN DIEGO RWQCB (REGION 9)
Lead Agency Case Number:	H29237-001
Latitude:	33.1427302606866

SPANJIAN/ DUFOUR, 1050 LOS VALLECITOS, SAN MARCOS, CA, 92069 (Continued)

Longitude:	-117.186827659607
Case Type:	Cleanup Program Site
Case Worker:	SM
Local Agency:	Not Reported
RB Case Number:	2090027
File Location:	Regional Board
Potential Media Affected:	Other Groundwater (uses other than drinking water), Soil
Potential Contaminants of Concern:	1,1,1-Trichloroethane (TCA), Other Chlorinated Hydrocarbons, Other Solvent or Non-Petroleum Hydrocarbon, Tetrachloroethylene (PCE), Trichloroethylene (TCE), Stoddard solvent / Mineral Spriits / Distillates
Site History:	The North County Factory Outlet site is occupied by a single story, high-bay type, office-warehouse-shop building with 106,157 square feet (ft2) of area and an attached 2-story parking garage with associated asphalt parking areas and driveways and surrounding landscaped areas. The Site was undeveloped land until it was developed beginning in 1970 with the new Spanjian Sportswear, Inc. facility. They built the facility and operated there from 1971 to 1985.
Click here to access the California GeoTracker records for this facility:	http://www.web.edrnet.com/ordering/switchboard/redirect.aspx?s=GRR_CA_SLIC_ST&global_id=SL0607396081

CERS: Other Ascertainable Records

Name:	NORTH COUNTY FACTORY OUTLET (FORMERLY SPANJIAN/DUFOUR)
Address:	1050 LOS VALLECITOS BLVD.
City,State,Zip:	SAN MARCOS, CA 92069
Site ID:	200691
CERS ID:	SL0607396081
CERS Description:	Cleanup Program Site
Affiliation:	

Affiliation Type Desc:	Regional Board Caseworker
Entity Name:	SEAN MCCLAIN - SAN DIEGO RWQCB (REGION 9)
Entity Title:	Not Reported
Affiliation Address:	2375 NORTHSIDE DRIVE, SUITE 100
Affiliation City:	SAN DIEGO
Affiliation State:	CA
Affiliation Country:	Not Reported
Affiliation Zip:	Not Reported
Affiliation Phone:	6195213374,

MAP FINDINGS

JUDD WIRE 870 LOS VALLECITOS BLVD, SAN MARCOS, CA, 92069			S100727343
Map ID: I47	Distance: E 1/10 - 1/3 (578 ft. / 0.109 mi.)	Elevation: 10 ft. Higher Elevation 554 ft. Above Sea Level	Lists of state and tribal leaking storage tanks Local Lists of Hazardous waste / Contaminated Sites Local Lists of Registered Storage Tanks Other Ascertainable Records

Worksheet:

Impact on Target Property: VEC does not exist

Comments: The source is cross-gradient. The distance between the source and the target property is greater than the critical distance plus a factor to account for plume width.
Chemicals of concern are not likely to be present at this source.

Database Details:

LUST REG 9: Lists of state and tribal leaking storage tanks

Region:	9
Status:	Case Closed
Case Number:	9UT1424
Local Case:	H06459-001
Substance:	Waste Oil
Qty Leaked:	Not Reported
Abate Method:	Not Reported
Local Agency:	San Diego
How Found:	Tank Closure
How Stopped:	Close Tank
Source:	Not Reported
Cause:	Not Reported
Lead Agency:	Local Agency
Case Type:	Aquifer affected
Date Found:	02/28/1989
Date Stopped:	02/28/1989
Confirm Date:	02/28/1989
Submit Workplan:	Not Reported
Prelim Assess:	06/08/1989
Desc Pollution:	Not Reported
Remed Plan:	/ /
Remed Action:	Not Reported
Began Monitor:	Not Reported
Release Date:	06/08/1989
Enforce Date:	Not Reported
Closed Date:	8/31/90
Enforce Type:	Not Reported

JUDD WIRE, 870 LOS VALLECITOS BLVD, SAN MARCOS, CA, 92069 (Continued)

Pilot Program:	LOP
Basin Number:	904.52
GW Depth:	4'
Beneficial Use:	Municipal groundwater use
NPDES Number:	Not Reported
Priority:	Medium priority
File Dispn:	File discarded, case closed
Interim Remedial Actions:	Yes
Cleanup and Abatement order Number:	Not Reported
Waste Discharge Requirement Number:	Not Reported

SAN DIEGO CO. SAM: Lists of state and tribal leaking storage tanks

Name:	JUDD WIRE
Address:	870 LOS VALLECITOS BL
City,State,Zip:	SAN MARCOS, CA 920691432
Case Number:	H06459-001
Agency:	DEH Site Assessment & Mitigation
Funding:	LOP - Federal Fund
Facility Type:	Drinking Water Aquifer Impacted
Facility Status:	Closed Case
Date:	8/31/1990
Date Began:	2/28/1989

HMMD SAN DIEGO: Local Lists of Hazardous waste / Contaminated Sites

Name:	JUDD WIRE
Address:	870 LOS VALLECITOS BLVD
City,State,Zip:	SAN MARCOS, CA 92069
Permit Number:	106459
Business Type:	6HK77
EPA Id Number:	CAD980638266
APN:	219-172-63-00
Last HMMD Inspection:	01/27/2003
Facility Telephone:	760-744-7720
Permit Status:	INAC
Permit Expiration:	05/31/2004
Date Last Updated:	11/02/2012
Facility Owner:	SUMITOMO
Facility Mailing Address:	870 LOS VALLECITOS BL
Facility Mailing City:	SAN MARCOS
Facility Mailing State:	CA
Facility Mailing Zip:	92069-1432
UST Owner:	Not Reported

JUDD WIRE, 870 LOS VALLECITOS BLVD, SAN MARCOS, CA, 92069 (Continued)

Handle Regulated Hazmat:	Y
Own Or Operate UST:	Not Reported
Subject To APSA:	Not Reported
Generate Haz Waste:	Y
Treat Haz Waste:	Not Reported
Generate Medical Waste:	Not Reported
UST:	

UST Name:	UNDERGROUND TANK 106459 T001
Last Update:	2012-11-02 14:17:38
Permit Number:	106459
Tank Type:	SINGLE WALL
Additional Id:	1
Capacity Gallons:	550
UST Contents:	Not Reported
Other Content Info:	WASTE OIL
Reg Status:	REMOVED
Remove Close Date:	1989-02-28 00:00:00
Year Installed:	Not Reported
Pipe Type:	Not Reported
Delivery System:	Not Reported
Monitor Code:	90
UST Monitor Method:	NO MONITORING ALTERNATIVE SELECTED. VERIFY AND ENTER MONITORING ALTERNATIVE DURING INSPECTION.

SWEEPS UST: Local Lists of Registered Storage Tanks

Name:	JUDD WIRE
Address:	870 LOS VALLECITOS BLVD
City:	SAN MARCOS
Status:	Not Reported
Comp Number:	6459
Number:	Not Reported
Board Of Equalization:	44-022370
Referral Date:	Not Reported
Action Date:	Not Reported
Created Date:	Not Reported
Owner Tank Id:	Not Reported
SWRCB Tank Id:	37-000-006459-000001
Tank Status:	Not Reported
Capacity:	550
Active Date:	Not Reported
Tank Use:	PETROLEUM
STG:	WASTE
Content:	Not Reported

JUDD WIRE, 870 LOS VALLECITOS BLVD, SAN MARCOS, CA, 92069 (Continued)

Number Of Tanks:	1

Name:	JUDD WIRE
Address:	870 LOS VALLECITOS BLVD
City:	SAN MARCOS
Status:	Active
Comp Number:	6459
Number:	9
Board Of Equalization:	44-022370
Referral Date:	Not Reported
Action Date:	06-26-92
Created Date:	02-29-88
Owner Tank Id:	Not Reported
SWRCB Tank Id:	Not Reported
Tank Status:	Not Reported
Capacity:	Not Reported
Active Date:	Not Reported
Tank Use:	Not Reported
STG:	Not Reported
Content:	Not Reported
Number Of Tanks:	Not Reported

CORTESE: Other Ascertainable Records

Name:	JUDD WIRE
Address:	870 LOS VALLECITOS BL
City,State,Zip:	SAN MARCOS, CA 920691432
Region:	CORTESE
Envirostor Id:	Not Reported
Global ID:	T0607300257
Site/Facility Type:	LUST CLEANUP SITE
Cleanup Status:	COMPLETED - CASE CLOSED
Status Date:	Not Reported
Site Code:	Not Reported
Latitude:	Not Reported
Longitude:	Not Reported
Owner:	Not Reported
Enf Type:	Not Reported
Swat R:	Not Reported
Flag:	active
Order No:	Not Reported
Waste Discharge System No:	Not Reported
Effective Date:	Not Reported
Region 2:	Not Reported
WID Id:	Not Reported
Solid Waste Id No:	Not Reported

JUDD WIRE, 870 LOS VALLECITOS BLVD, SAN MARCOS, CA, 92069 (Continued)

Waste Management Uit Name:	Not Reported
File Name:	Active Open

SAN DIEGO CO LOP: Other Ascertainable Records

Name:	JUDD WIRE
Address:	870 LOS VALLECITOS BLVD
City,State,Zip:	SAN MARCOS, CA 92069-1432
Record ID:	DEH1989-LSAM-H06459-001
Record Status:	Completed
Opened Date:	02/28/1989
Parcel Number:	219-172-63-00
Case Type:	LOP - Local Oversight Program
Historical Name:	JUDD WIRE
SWRCB Global ID:	T0607300257
Funding:	F - LOP Federal Fund
Lead Agency:	DEH/SAM
Lead Agency Date:	02/28/1989
Census Tract:	200.29
Community:	San Marcos
Jurisdiction:	SAN MARCOS
Watershed Basin Number:	904.52
Water Purveyor:	VALLECITOS WATER DISTRICT
Fire Agency:	SAN MARCOS FIRE PROT DIST
Latitude:	33.1423989
Longitude:	-117.1819658
X MapCoord:	6276515.874
Y MapCoord:	1997008.349

CIWQS: Other Ascertainable Records

Name:	JUDD WIRE
Address:	870 LOS VALLECITOS BLVD
City,State,Zip:	SAN MARCOS, CA 92069
Agency:	Judd Wire
Agency Address:	870 Los Vallecitos Blvd, San Marcos, CA 92069
Place/Project Type:	Industrial - Plastics Products, NEC
SIC/NAICS:	3089
Region:	9
Program:	INDSTW
Regulatory Measure Status:	Terminated
Regulatory Measure Type:	Storm water industrial
Order Number:	2014-0057-DWQ
WDID:	9 37I013676
NPDES Number:	CAS000001
Adoption Date:	Not Reported

JUDD WIRE, 870 LOS VALLECITOS BLVD, SAN MARCOS, CA, 92069 (Continued)

Effective Date:	01/06/1998
Termination Date:	03/05/2003
Expiration/Review Date:	Not Reported
Design Flow:	Not Reported
Major/Minor:	Not Reported
Complexity:	Not Reported
TTWQ:	Not Reported
Enforcement Actions within 5 years:	0
Violations within 5 years:	0
Latitude:	33.1402
Longitude:	-117.18213

CERS: Other Ascertainable Records

Name:	JUDD WIRE
Address:	870 LOS VALLECITOS BL
City,State,Zip:	SAN MARCOS, CA 920691432
Site ID:	239531
CERS ID:	T0607300257
CERS Description:	Leaking Underground Storage Tank Cleanup Site

MAP FINDINGS

JUDD WIRE 870 LOS VALLECITOS, SAN MARCOS, CA, 92069			S104746374
Map ID: I48	Distance: E 1/10 - 1/3 (578 ft. / 0.109 mi.)	Elevation: 10 ft. Higher Elevation 554 ft. Above Sea Level	Lists of state and tribal leaking storage tanks Other Ascertainable Records

Worksheet:

Database Details:

LUST: Lists of state and tribal leaking storage tanks

Name:	JUDD WIRE
Address:	870 LOS VALLECITOS BL
City,State,Zip:	SAN MARCOS, CA 920691432
Lead Agency:	SAN DIEGO COUNTY LOP
Case Type:	LUST Cleanup Site
Geo Track:	http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0607300257
Global Id:	T0607300257
Latitude:	33.1391591
Longitude:	-117.1786735
Status:	Completed - Case Closed
Status Date:	08/31/1990
Case Worker:	Not Reported
RB Case Number:	9UT1424
Local Agency:	Not Reported
File Location:	Local Agency
Local Case Number:	H06459-001
Potential Media Affect:	Aquifer used for drinking water supply
Potential Contaminants of Concern:	Waste Oil / Motor / Hydraulic / Lubricating
Site History:	Not Reported
LUST:	

Global Id:	T0607300257
Action Type:	Other
Date:	02/28/1989
Action:	Leak Reported

Global Id:	T0607300257
Action Type:	Other
Date:	02/28/1989
Action:	Leak Began

Global Id:	T0607300257
Action Type:	Other

JUDD WIRE, 870 LOS VALLECITOS, SAN MARCOS, CA, 92069 (Continued)

Date:	02/28/1989
Action:	Leak Stopped

Global Id:	T0607300257
Action Type:	Other
Date:	02/28/1989
Action:	Leak Discovery

LUST:

Global Id:	T0607300257
Status:	Open - Case Begin Date
Status Date:	02/28/1989

Global Id:	T0607300257
Status:	Completed - Case Closed
Status Date:	08/31/1990

HIST CORTESE: Other Ascertainable Records

edr_fname:	JUDD WIRE
edr_fadd1:	870 LOS VALLECITOS
City,State,Zip:	SAN MARCOS, CA 92069
Region:	CORTESE
Facility County Code:	37
Reg By:	LTNKA
Reg Id:	9UT1424

MAP FINDINGS

BREE ENGINEERING CORP 135 VALLECITOS DE ORO STE G, SAN MARCOS, CA, 92069			S127596077
Map ID: 49	Distance: ENE 1/10 - 1/3 (1130 ft. / 0.214 mi.)	Elevation: 15 ft. Higher Elevation 559 ft. Above Sea Level	Local Lists of Hazardous waste / Contaminated Sites

Worksheet:

Impact on Target Property: VEC does not exist

Comments: Chemicals of concern are not likely to be present at this source.

Database Details:

CERS HAZ WASTE: Local Lists of Hazardous waste / Contaminated Sites

Name:	BREE ENGINEERING CORP
Address:	135 VALLECITOS DE ORO STE G
City,State,Zip:	SAN MARCOS, CA 92069
Site ID:	576215
CERS ID:	10874602
CERS Description:	Hazardous Waste Generator
Violations:	

Site ID:	576215
Site Name:	Bree Engineering Corp
Violation Date:	03-14-2022
Citation:	22 CCR 12 66262.34(f) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.34(f)
Violation Description:	Failure to properly label hazardous waste accumulation containers and portable tanks with the following requirements: "Hazardous Waste", name and address of the generator, physical and chemical characteristics of the Hazardous Waste, and starting accumulation date.
Violation Notes:	Returned to compliance on 03/16/2022. Inspection Sequence ID:6759386
Violation Division:	San Diego County Department of Env Health
Violation Program:	HW
Violation Source:	CERS,

Evaluation:

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	03-14-2022
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Inspector: Shaker Mirna Inspection ID:6759386
Eval Division:	San Diego County Department of Env Health
Eval Program:	HW
Eval Source:	CERS,

BREE ENGINEERING CORP, 135 VALLECITOS DE ORO STE G, SAN MARCOS, CA, 92069 (Continued)

Affiliation:

Affiliation Type Desc:	CUPA District
Entity Name:	San Diego County Env Health Qlty
Entity Title:	Not Reported
Affiliation Address:	PO Box 129261
Affiliation City:	San Diego
Affiliation State:	CA
Affiliation Country:	Not Reported
Affiliation Zip:	92112-9261
Affiliation Phone:	(858) 505-6880,

Affiliation Type Desc:	Identification Signer
Entity Name:	JACKIE BREE
Entity Title:	CFO
Affiliation Address:	Not Reported
Affiliation City:	Not Reported
Affiliation State:	Not Reported
Affiliation Country:	Not Reported
Affiliation Zip:	Not Reported
Affiliation Phone:	,

Affiliation Type Desc:	Operator
Entity Name:	BREE ENGINEERING CORP
Entity Title:	Not Reported
Affiliation Address:	Not Reported
Affiliation City:	Not Reported
Affiliation State:	Not Reported
Affiliation Country:	Not Reported
Affiliation Zip:	Not Reported
Affiliation Phone:	(760) 805-1134,

Affiliation Type Desc:	Parent Corporation
Entity Name:	BREE ENGINEERING CORP
Entity Title:	Not Reported
Affiliation Address:	Not Reported
Affiliation City:	Not Reported
Affiliation State:	Not Reported
Affiliation Country:	Not Reported
Affiliation Zip:	Not Reported
Affiliation Phone:	,

Affiliation Type Desc:	Environmental Contact
Entity Name:	BREE ENGINEERING CORP

BREE ENGINEERING CORP, 135 VALLECITOS DE ORO STE G, SAN MARCOS, CA, 92069 (Continued)

Entity Title:	Not Reported
Affiliation Address:	135 Vallecitos De Oro Ste G
Affiliation City:	San Marcos
Affiliation State:	CA
Affiliation Country:	Not Reported
Affiliation Zip:	92069
Affiliation Phone:	,

Affiliation Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	Not Reported
Affiliation Address:	135 Vallecitos De Oro Ste G
Affiliation City:	San Marcos
Affiliation State:	CA
Affiliation Country:	Not Reported
Affiliation Zip:	92069
Affiliation Phone:	,

Affiliation Type Desc:	Legal Owner
Entity Name:	BREE ENGINEERING CORP
Entity Title:	Not Reported
Affiliation Address:	135 Vallecitos De Oro Ste G
Affiliation City:	San Marcos
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	92069
Affiliation Phone:	(760) 805-1134,

MAP FINDINGS

SIGNET - ARMORLITE INC 130 N BINGHAM DRIVE, SAN MARCOS, CA, 92069			U001572228
Map ID: U50	Distance: NNE 1/10 - 1/3 (1259 ft. / 0.238 mi.)	Elevation: 13 ft. Higher Elevation 557 ft. Above Sea Level	Local Lists of Registered Storage Tanks Other Ascertainable Records

Worksheet:

Impact on Target Property: VEC does not exist

Comments: The source is not within the area of concern, based on its distance, gradient and suspected chemical of concern.

Conditions:
Chemicals of Concern: YES

Groundwater Flow Gradient:
Upgradient or Indeterminate: YES

Database Details:

HIST UST: Local Lists of Registered Storage Tanks

Name:	SIGNET - ARMORLITE INC
Address:	130 N BINGHAM DRIVE
City,State,Zip:	SAN MARCOS, CA 92069
File Number:	0002B535
URL:	http://geotracker.waterboards.ca.gov/ustpdfs/pdf/0002B535.pdf
Region:	STATE
Facility ID:	00000058926
Facility Type:	Not Reported
Other Type:	MANUFACTURING
Contact Name:	RICHARD ORMSBY - PRESIDENT
Telephone:	6197444000
Owner Name:	JEPSON CORPORATION
Owner Address:	340 W. BUTTERFIELD RD., SUITE
Owner City,St,Zip:	ELMHURST, IL 60126
Total Tanks:	0001

Tank Num:	001
Container Num:	1
Year Installed:	1972
Tank Capacity:	00003000
Tank Used for:	PRODUCT
Type of Fuel:	DIESEL
Container Construction Thickness:	Not Reported
Leak Detection:	None

Click here for Geo Tracker PDF:	http://www.web.edrnet.com/ordering/switchboard/redirect.aspx?s=GRR_CA_HISTU

SIGNET - ARMORLITE INC, 130 N BINGHAM DRIVE, SAN MARCOS, CA, 92069 (Continued)

ST_PDF&img_id=0002B535

NPDES: Other Ascertainable Records

Name:	DAVIA VILLAGE
Address:	130 NORTH BINGHAM DRIVE
City,State,Zip:	SAN MARCOS, CA 92069
Facility Status:	Not Reported
NPDES Number:	Not Reported
Region:	Not Reported
Agency Number:	Not Reported
Regulatory Measure ID:	Not Reported
Place ID:	Not Reported
Order Number:	Not Reported
WDID:	9 37C372390
Regulatory Measure Type:	Construction
Program Type:	Not Reported
Adoption Date Of Regulatory Measure:	Not Reported
Effective Date Of Regulatory Measure:	Not Reported
Termination Date Of Regulatory Measure:	Not Reported
Expiration Date Of Regulatory Measure:	Not Reported
Discharge Address:	Not Reported
Discharge Name:	Not Reported
Discharge City:	Not Reported
Discharge State:	Not Reported
Discharge Zip:	Not Reported
Status:	Terminated
Status Date:	08/30/2017
Operator Name:	Milano Holdings Inc
Operator Address:	160 Industrial Street
Operator City:	San Marcos
Operator State:	California
Operator Zip:	92078
NPDES as of 03/2018:	

NPDES Number:	Not Reported
Status:	Not Reported
Agency Number:	Not Reported
Region:	9
Regulatory Measure ID:	452032
Order Number:	Not Reported
Regulatory Measure Type:	Construction
Place ID:	Not Reported
WDID:	9 37C372390
Program Type:	Not Reported

SIGNET - ARMORLITE INC, 130 N BINGHAM DRIVE, SAN MARCOS, CA, 92069 (Continued)

Adoption Date Of Regulatory Measure:	Not Reported
Effective Date Of Regulatory Measure:	Not Reported
Expiration Date Of Regulatory Measure:	Not Reported
Termination Date Of Regulatory Measure:	Not Reported
Discharge Name:	Not Reported
Discharge Address:	Not Reported
Discharge City:	Not Reported
Discharge State:	Not Reported
Discharge Zip:	Not Reported
Received Date:	03/02/2015
Processed Date:	03/12/2015
Status:	Active
Status Date:	03/12/2015
Place Size:	11.79
Place Size Unit:	Acres
Contact:	Bruno Salvadori
Contact Title:	Vice President
Contact Phone:	760-471-2365
Contact Phone Ext:	Not Reported
Contact Email:	brunosalvadori111@gmail.com
Operator Name:	Milano Holdings Inc
Operator Address:	160 Industrial Street
Operator City:	San Marcos
Operator State:	California
Operator Zip:	92078
Operator Contact:	Bruno Salvadori
Operator Contact Title:	Vice President
Operator Contact Phone:	760-471-2365
Operator Contact Phone Ext:	Not Reported
Operator Contact Email:	brunosalvadori111@gmail.com
Operator Type:	Private Business
Developer:	Milano Holdings Inc
Developer Address:	160 Industrial Street
Developer City:	San Marcos
Developer State:	California
Developer Zip:	92078
Developer Contact:	Bruno Salvadori
Developer Contact Title:	Vice President
Constype Linear Utility Ind:	N
Emergency Phone:	Not Reported
Emergency Phone Ext:	Not Reported
Constype Above Ground Ind:	N
Constype Below Ground Ind:	N
Constype Cable Line Ind:	N
Constype Comm Line Ind:	N

SIGNET - ARMORLITE INC, 130 N BINGHAM DRIVE, SAN MARCOS, CA, 92069 (Continued)

Constype Commertial Ind:	Y
Constype Electrical Line Ind:	N
Constype Gas Line Ind:	N
Constype Industrial Ind:	N
Constype Other Description:	Not Reported
Constype Other Ind:	N
Constype Recons Ind:	N
Constype Residential Ind:	Y
Constype Transport Ind:	N
Constype Utility Description:	Not Reported
Constype Utility Ind:	N
Constype Water Sewer Ind:	N
Dir Discharge Uswater Ind:	N
Receiving Water Name:	San Marcos Creek
Certifier:	Bruno Salvadori
Certifier Title:	Vice President
Certification Date:	02-MAR-15
Primary Sic:	Not Reported
Secondary Sic:	Not Reported
Tertiary Sic:	Not Reported

NPDES Number:	CAS000002
Status:	Terminated
Agency Number:	0
Region:	9
Regulatory Measure ID:	452032
Order Number:	2009-0009-DWQ
Regulatory Measure Type:	Enrollee
Place ID:	Not Reported
WDID:	9 37C372390
Program Type:	Construction
Adoption Date Of Regulatory Measure:	Not Reported
Effective Date Of Regulatory Measure:	03/12/2015
Expiration Date Of Regulatory Measure:	Not Reported
Termination Date Of Regulatory Measure:	01/20/2017
Discharge Name:	Milano Holdings Inc
Discharge Address:	160 Industrial Street
Discharge City:	San Marcos
Discharge State:	California
Discharge Zip:	92078
Received Date:	Not Reported
Processed Date:	Not Reported
Status:	Not Reported
Status Date:	Not Reported

SIGNET - ARMORLITE INC, 130 N BINGHAM DRIVE, SAN MARCOS, CA, 92069 (Continued)

Place Size:	Not Reported
Place Size Unit:	Not Reported
Contact:	Not Reported
Contact Title:	Not Reported
Contact Phone:	Not Reported
Contact Phone Ext:	Not Reported
Contact Email:	Not Reported
Operator Name:	Not Reported
Operator Address:	Not Reported
Operator City:	Not Reported
Operator State:	Not Reported
Operator Zip:	Not Reported
Operator Contact:	Not Reported
Operator Contact Title:	Not Reported
Operator Contact Phone:	Not Reported
Operator Contact Phone Ext:	Not Reported
Operator Contact Email:	Not Reported
Operator Type:	Not Reported
Developer:	Not Reported
Developer Address:	Not Reported
Developer City:	Not Reported
Developer State:	Not Reported
Developer Zip:	Not Reported
Developer Contact:	Not Reported
Developer Contact Title:	Not Reported
Constype Linear Utility Ind:	Not Reported
Emergency Phone:	Not Reported
Emergency Phone Ext:	Not Reported
Constype Above Ground Ind:	Not Reported
Constype Below Ground Ind:	Not Reported
Constype Cable Line Ind:	Not Reported
Constype Comm Line Ind:	Not Reported
Constype Commertial Ind:	Not Reported
Constype Electrical Line Ind:	Not Reported
Constype Gas Line Ind:	Not Reported
Constype Industrial Ind:	Not Reported
Constype Other Description:	Not Reported
Constype Other Ind:	Not Reported
Constype Recons Ind:	Not Reported
Constype Residential Ind:	Not Reported
Constype Transport Ind:	Not Reported
Constype Utility Description:	Not Reported
Constype Utility Ind:	Not Reported
Constype Water Sewer Ind:	Not Reported
Dir Discharge Uswater Ind:	Not Reported
Receiving Water Name:	Not Reported
Certifier:	Not Reported

SIGNET - ARMORLITE INC, 130 N BINGHAM DRIVE, SAN MARCOS, CA, 92069 (Continued)

Certifier Title:	Not Reported
Certification Date:	Not Reported
Primary Sic:	Not Reported
Secondary Sic:	Not Reported
Tertiary Sic:	Not Reported

CIWQS: Other Ascertainable Records

Name:	DAVIA VILLAGE
Address:	130 NORTH BINGHAM DRIVE
City,State,Zip:	SAN MARCOS, CA 92069
Agency:	Milano Holdings Inc
Agency Address:	160 Industrial Street Suite 200, San Marcos, CA 92078
Place/Project Type:	Construction - Commercial, Residential
SIC/NAICS:	Not Reported
Region:	9
Program:	CONSTW
Regulatory Measure Status:	Terminated
Regulatory Measure Type:	Storm water construction
Order Number:	2009-0009-DWQ
WDID:	9 37C372390
NPDES Number:	CAS000002
Adoption Date:	Not Reported
Effective Date:	03/12/2015
Termination Date:	01/20/2017
Expiration/Review Date:	Not Reported
Design Flow:	Not Reported
Major/Minor:	Not Reported
Complexity:	Not Reported
TTWQ:	Not Reported
Enforcement Actions within 5 years:	0
Violations within 5 years:	0
Latitude:	33.14472
Longitude:	-117.185991

MAP FINDINGS

SIGNET ARMORLITE, INCORPORATED 1001 ARMORLITE DR., SAN MARCOS, CA, 92069			S106519125
Map ID: U51	Distance: NNE 1/10 - 1/3 (1513 ft. / 0.287 mi.)	Elevation: 16 ft. Higher Elevation 560 ft. Above Sea Level	Lists of state and tribal leaking storage tanks

Worksheet:

Database Details:

SLIC REG 9: Lists of state and tribal leaking storage tanks

Name:	SIGNET ARMORLITE, INCORPORATED
Address:	1001 ARMORLITE DR.
City:	SAN MARCOS
Region:	9
Facilty Type:	Cleanup And Abatement Order
Status:	Open
Sort Code:	20-0274.051
Waste Discharger Id:	9 000274N97
Local Case Num:	2091500
Responsible Party:	SIGNET ARMORLITE, INCORPORATED
Category:	ENF. REPORT
Class:	SLIC
Order Number:	Not Reported
File Number:	9
Date Entered:	09/2003
End Date:	Not Reported
Archive Box #:	0
Archive Box Storage:	Not Reported
Archive Box Storage Location:	Not Reported
Remarks:	Not Reported

Name:	SIGNET ARMORLITE, INCORPORATED
Address:	1001 ARMORLITE DR.
City:	SAN MARCOS
Region:	9
Facilty Type:	Cleanup And Abatement Order
Status:	Dead
Sort Code:	20-0274.051
Waste Discharger Id:	9 000274N97
Local Case Num:	2091500
Responsible Party:	SIGNET ARMORLITE, INCORPORATED
Category:	ENF. REPORT
Class:	SLIC
Order Number:	Not Reported
File Number:	2

SIGNET ARMORLITE, INCORPORATED, 1001 ARMORLITE DR., SAN MARCOS, CA, 92069 (Continued)

Date Entered:	03/1994
End Date:	04/1996
Archive Box #:	926
Archive Box Storage:	3-1-15F
Archive Box Storage Location:	Not Reported
Remarks:	Not Reported

Name:	SIGNET ARMORLITE, INCORPORATED
Address:	1001 ARMORLITE DR.
City:	SAN MARCOS
Region:	9
Facilty Type:	Cleanup And Abatement Order
Status:	Dead
Sort Code:	20-0274.05
Waste Discharger Id:	9 000274N97
Local Case Num:	2091500
Responsible Party:	SIGNET ARMORLITE, INCORPORATED
Category:	ENFORCEMENT
Class:	SLIC
Order Number:	Not Reported
File Number:	1
Date Entered:	08/1987
End Date:	08/1993
Archive Box #:	926
Archive Box Storage:	3-1-15F
Archive Box Storage Location:	Not Reported
Remarks:	Not Reported

Name:	SIGNET ARMORLITE, INCORPORATED
Address:	1001 ARMORLITE DR.
City:	SAN MARCOS
Region:	9
Facilty Type:	Cleanup And Abatement Order
Status:	Closed
Sort Code:	20-0274.05
Waste Discharger Id:	9 000274N97
Local Case Num:	2091500
Responsible Party:	SIGNET ARMORLITE, INCORPORATED
Category:	ENFORCEMENT
Class:	SLIC
Order Number:	Not Reported
File Number:	2
Date Entered:	09/1993
End Date:	06/1998
Archive Box #:	0
Archive Box Storage:	Not Reported
Archive Box Storage Location:	Not Reported

SIGNET ARMORLITE, INCORPORATED, 1001 ARMORLITE DR., SAN MARCOS, CA, 92069 (Continued)

Remarks:	Not Reported

Name:	SIGNET ARMORLITE, INCORPORATED
Address:	1001 ARMORLITE DR.
City:	SAN MARCOS
Region:	9
Facilty Type:	Cleanup And Abatement Order
Status:	Closed
Sort Code:	20-0274.05
Waste Discharger Id:	9 000274N97
Local Case Num:	2091500
Responsible Party:	SIGNET ARMORLITE, INCORPORATED
Category:	ENFORCEMENT
Class:	SLIC
Order Number:	Not Reported
File Number:	3
Date Entered:	06/1998
End Date:	08/2000
Archive Box #:	0
Archive Box Storage:	Not Reported
Archive Box Storage Location:	Not Reported
Remarks:	Not Reported

Name:	SIGNET ARMORLITE, INCORPORATED
Address:	1001 ARMORLITE DR.
City:	SAN MARCOS
Region:	9
Facilty Type:	Cleanup And Abatement Order
Status:	Open
Sort Code:	20-0274.05
Waste Discharger Id:	9 000274N97
Local Case Num:	2091500
Responsible Party:	SIGNET ARMORLITE, INCORPORATED
Category:	ENFORCEMENT
Class:	SLIC
Order Number:	Not Reported
File Number:	4
Date Entered:	08/2000
End Date:	Not Reported
Archive Box #:	0
Archive Box Storage:	Not Reported
Archive Box Storage Location:	Not Reported
Remarks:	Not Reported

Name:	SIGNET ARMORLITE, INCORPORATED
Address:	1001 ARMORLITE DR.

SIGNET ARMORLITE, INCORPORATED, 1001 ARMORLITE DR., SAN MARCOS, CA, 92069 (Continued)

City:	SAN MARCOS
Region:	9
Facilty Type:	Cleanup And Abatement Order
Status:	Closed
Sort Code:	20-0274.051
Waste Discharger Id:	9 000274N97
Local Case Num:	2091500
Responsible Party:	SIGNET ARMORLITE, INCORPORATED
Category:	ENF. REPORT
Class:	SLIC
Order Number:	Not Reported
File Number:	1
Date Entered:	01/1993
End Date:	02/1994
Archive Box #:	0
Archive Box Storage:	Not Reported
Archive Box Storage Location:	Not Reported
Remarks:	Not Reported

Name:	SIGNET ARMORLITE, INCORPORATED
Address:	1001 ARMORLITE DR.
City:	SAN MARCOS
Region:	9
Facilty Type:	Cleanup And Abatement Order
Status:	Closed
Sort Code:	20-0274.051
Waste Discharger Id:	9 000274N97
Local Case Num:	2091500
Responsible Party:	SIGNET ARMORLITE, INCORPORATED
Category:	ENF. REPORT
Class:	SLIC
Order Number:	Not Reported
File Number:	2.200
Date Entered:	04/1994
End Date:	04/1996
Archive Box #:	0
Archive Box Storage:	Not Reported
Archive Box Storage Location:	Not Reported
Remarks:	Not Reported

Name:	SIGNET ARMORLITE, INCORPORATED
Address:	1001 ARMORLITE DR.
City:	SAN MARCOS
Region:	9
Facilty Type:	Cleanup And Abatement Order
Status:	Closed
Sort Code:	20-0274.051

SIGNET ARMORLITE, INCORPORATED, 1001 ARMORLITE DR., SAN MARCOS, CA, 92069 (Continued)

Waste Discharger Id:	9 000274N97
Local Case Num:	2091500
Responsible Party:	SIGNET ARMORLITE, INCORPORATED
Category:	ENF. REPORT
Class:	SLIC
Order Number:	Not Reported
File Number:	3
Date Entered:	05/1996
End Date:	09/1996
Archive Box #:	0
Archive Box Storage:	Not Reported
Archive Box Storage Location:	Not Reported
Remarks:	Not Reported

Name:	SIGNET ARMORLITE, INCORPORATED
Address:	1001 ARMORLITE DR.
City:	SAN MARCOS
Region:	9
Facilty Type:	Cleanup And Abatement Order
Status:	Closed
Sort Code:	20-0274.051
Waste Discharger Id:	9 000274N97
Local Case Num:	2091500
Responsible Party:	SIGNET ARMORLITE, INCORPORATED
Category:	ENF. REPORT
Class:	SLIC
Order Number:	Not Reported
File Number:	4
Date Entered:	10/1996
End Date:	03/1997
Archive Box #:	0
Archive Box Storage:	Not Reported
Archive Box Storage Location:	Not Reported
Remarks:	Not Reported

Name:	SIGNET ARMORLITE, INCORPORATED
Address:	1001 ARMORLITE DR.
City:	SAN MARCOS
Region:	9
Facilty Type:	Cleanup And Abatement Order
Status:	Closed
Sort Code:	20-0274.051
Waste Discharger Id:	9 000274N97
Local Case Num:	2091500
Responsible Party:	SIGNET ARMORLITE, INCORPORATED
Category:	ENF. REPORT
Class:	SLIC

SIGNET ARMORLITE, INCORPORATED, 1001 ARMORLITE DR., SAN MARCOS, CA, 92069 (Continued)

Order Number:	Not Reported
File Number:	5
Date Entered:	04/1997
End Date:	05/1998
Archive Box #:	0
Archive Box Storage:	Not Reported
Archive Box Storage Location:	Not Reported
Remarks:	Not Reported

Name:	SIGNET ARMORLITE, INCORPORATED
Address:	1001 ARMORLITE DR.
City:	SAN MARCOS
Region:	9
Facilty Type:	Cleanup And Abatement Order
Status:	Closed
Sort Code:	20-0274.051
Waste Discharger Id:	9 000274N97
Local Case Num:	2091500
Responsible Party:	SIGNET ARMORLITE, INCORPORATED
Category:	ENF. REPORT
Class:	SLIC
Order Number:	Not Reported
File Number:	6
Date Entered:	06/1998
End Date:	03/2000
Archive Box #:	0
Archive Box Storage:	Not Reported
Archive Box Storage Location:	Not Reported
Remarks:	Not Reported

Name:	SIGNET ARMORLITE, INCORPORATED
Address:	1001 ARMORLITE DR.
City:	SAN MARCOS
Region:	9
Facilty Type:	Cleanup And Abatement Order
Status:	Closed
Sort Code:	20-0274.051
Waste Discharger Id:	9 000274N97
Local Case Num:	2091500
Responsible Party:	SIGNET ARMORLITE, INCORPORATED
Category:	ENF. REPORT
Class:	SLIC
Order Number:	Not Reported
File Number:	7
Date Entered:	04/2000
End Date:	08/2001
Archive Box #:	0

SIGNET ARMORLITE, INCORPORATED, 1001 ARMORLITE DR., SAN MARCOS, CA, 92069 (Continued)

Archive Box Storage:	Not Reported
Archive Box Storage Location:	Not Reported
Remarks:	Not Reported

Name:	SIGNET ARMORLITE, INCORPORATED
Address:	1001 ARMORLITE DR.
City:	SAN MARCOS
Region:	9
Facilty Type:	Cleanup And Abatement Order
Status:	Closed
Sort Code:	20-0274.051
Waste Discharger Id:	9 000274N97
Local Case Num:	2091500
Responsible Party:	SIGNET ARMORLITE, INCORPORATED
Category:	ENF. REPORT
Class:	SLIC
Order Number:	Not Reported
File Number:	8
Date Entered:	09/2001
End Date:	08/2003
Archive Box #:	0
Archive Box Storage:	Not Reported
Archive Box Storage Location:	Not Reported
Remarks:	Not Reported

MAP FINDINGS

SIGNET ARMORLITE, INC. 1001 ARMORLITE DRIVE, SAN MARCOS, CA, 92069			1000314091
Map ID: U52	Distance: NNE 1/10 - 1/3 (1513 ft. / 0.287 mi.)	Elevation: 16 ft. Higher Elevation 560 ft. Above Sea Level	Lists of Federal CERCLA sites with NFRAP Lists of Federal RCRA facilities undergoing Corrective Action Lists of Federal RCRA TSD facilities Lists of Federal RCRA generators Lists of state- and tribal hazardous waste facilities Lists of state and tribal leaking storage tanks Local Lists of Hazardous waste / Contaminated Sites Local Land Records Other Ascertainable Records

Worksheet:

Database Details:

SEMS Archive: Lists of Federal CERCLA sites with NFRAP

Site ID:	0900209
EPA ID:	CAD008362634
Name:	SIGNET ARMORLITE
Address:	130 N BINGHAM DR
Address 2:	Not Reported
City,State,Zip:	SAN MARCOS, CA 92069
Cong District:	43
FIPS Code:	06073
FF:	N
NPL:	Not on the NPL
Non NPL Status:	Deferred to RCRA (Subtitle C)
SEMS Archive Detail:	

Region:	09
Site ID:	0900209
EPA ID:	CAD008362634
Site Name:	SIGNET ARMORLITE
NPL:	N
FF:	N
OU:	00
Action Code:	VS
Action Name:	ARCH SITE
SEQ:	1

SIGNET ARMORLITE, INC., 1001 ARMORLITE DRIVE, SAN MARCOS, CA, 92069 (Continued)

Start Date:	Not Reported
Finish Date:	1996-01-23 05:00:00
Qual:	Not Reported
Current Action Lead:	EPA Perf In-Hse

Region:	09
Site ID:	0900209
EPA ID:	CAD008362634
Site Name:	SIGNET ARMORLITE
NPL:	N
FF:	N
OU:	00
Action Code:	DS
Action Name:	DISCVRY
SEQ:	1
Start Date:	1991-03-01 05:00:00
Finish Date:	1991-03-01 05:00:00
Qual:	Not Reported
Current Action Lead:	EPA Perf

Region:	09
Site ID:	0900209
EPA ID:	CAD008362634
Site Name:	SIGNET ARMORLITE
NPL:	N
FF:	N
OU:	00
Action Code:	PA
Action Name:	PA
SEQ:	1
Start Date:	Not Reported
Finish Date:	1991-08-26 04:00:00
Qual:	D
Current Action Lead:	EPA Perf

CORRACTS: Lists of Federal RCRA facilities undergoing Corrective Action

Name:	SIGNET ARMORLITE, INC.
Address:	1001 ARMORLITE DRIVE
Address 2:	Not Reported
EPA ID:	CAD008362634
Area Name:	ENTIRE FACILITY
Corrective Action:	STABILIZATION/INTERIM MEASURES DECISION-GROUNDWATER EXTRACTION and TREATMENT
Actual Date:	19960101

SIGNET ARMORLITE, INC., 1001 ARMORLITE DRIVE, SAN MARCOS, CA, 92069 (Continued)

Air Release Indicator:	Not Reported
Groundwater Release Indicator:	Not Reported
Soil Release Indicator:	Not Reported
Surface Water Release Indicator:	Not Reported

Name:	SIGNET ARMORLITE, INC.
Address:	1001 ARMORLITE DRIVE
Address 2:	Not Reported
EPA ID:	CAD008362634
Area Name:	ENTIRE FACILITY
Corrective Action:	STABILIZATION/INTERIM MEASURES DECISION-PRIMARY MEAS IS SOURCE REMOVL and/OR TRT
Actual Date:	19960101
Air Release Indicator:	Not Reported
Groundwater Release Indicator:	Not Reported
Soil Release Indicator:	Not Reported
Surface Water Release Indicator:	Not Reported

Name:	SIGNET ARMORLITE, INC.
Address:	1001 ARMORLITE DRIVE
Address 2:	Not Reported
EPA ID:	CAD008362634
Area Name:	ENTIRE FACILITY
Corrective Action:	HUMAN EXPOSURES CONTROLLED DETERMINATION-YES, APPLICABLE AS OF THIS DATE
Actual Date:	19971215
Air Release Indicator:	Not Reported
Groundwater Release Indicator:	Not Reported
Soil Release Indicator:	Not Reported
Surface Water Release Indicator:	Not Reported

Name:	SIGNET ARMORLITE, INC.
Address:	1001 ARMORLITE DRIVE
Address 2:	Not Reported
EPA ID:	CAD008362634
Area Name:	ENTIRE FACILITY
Corrective Action:	RELEASE TO GW CONTROLLED DETERMINATION-FACILITY DOES NOT MEET DEFINITION
Actual Date:	19971215
Air Release Indicator:	Not Reported
Groundwater Release Indicator:	Not Reported
Soil Release Indicator:	Not Reported
Surface Water Release Indicator:	Not Reported

Name:	SIGNET ARMORLITE, INC.
Address:	1001 ARMORLITE DRIVE
Address 2:	Not Reported

SIGNET ARMORLITE, INC., 1001 ARMORLITE DRIVE, SAN MARCOS, CA, 92069 (Continued)

EPA ID:	CAD008362634
Area Name:	ENTIRE FACILITY
Corrective Action:	REMEDY CONSTRUCTION-REMEDY CONSTRUCTED
Actual Date:	20180611
Air Release Indicator:	Not Reported
Groundwater Release Indicator:	Not Reported
Soil Release Indicator:	Not Reported
Surface Water Release Indicator:	Not Reported

Name:	SIGNET ARMORLITE, INC.
Address:	1001 ARMORLITE DRIVE
Address 2:	Not Reported
EPA ID:	CAD008362634
Area Name:	ENTIRE FACILITY
Corrective Action:	RELEASE TO GW CONTROLLED DETERMINATION-YES, APPLICABLE AS OF THIS DATE
Actual Date:	20180611
Air Release Indicator:	Not Reported
Groundwater Release Indicator:	Not Reported
Soil Release Indicator:	Not Reported
Surface Water Release Indicator:	Not Reported

RCRA Listings: Lists of Federal RCRA TSD facilities

Date Form Received by Agency:	20120229
Handler Name:	SIGNET ARMORLITE, INC.
Handler Address:	1001 ARMORLITE DRIVE
Handler City,State,Zip:	SAN MARCOS, CA 92069
EPA ID:	CAD008362634
Contact Name:	JOHN T HINGEY
Contact Address:	ARMORLITE DRIVE
Contact City,State,Zip:	SAN MARCOS, CA 92069
Contact Telephone:	760-744-4000
Contact Fax:	760-471-6255
Contact Email:	JHINGEY@SIGNETARMOLITE.COM
Contact Title:	V.P. OF MANUFACTURING
EPA Region:	09
Land Type:	Private
Federal Waste Generator Description:	Large Quantity Generator
Non-Notifier:	Not Reported
Biennial Report Cycle:	2011
Accessibility:	Not Reported
Active Site Indicator:	Handler Activities, Corrective Action Activities
State District Owner:	Not Reported
State District:	Not Reported
Mailing Address:	ARMORLITE DRIVE

SIGNET ARMORLITE, INC., 1001 ARMORLITE DRIVE, SAN MARCOS, CA, 92069 (Continued)

Mailing City,State,Zip:	SAN MARCOS, CA 92069
Owner Name:	EDA HOLDINGS CO, INC.
Owner Type:	Private
Operator Name:	EDA HOLDINGS CO, INC.
Operator Type:	Private
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not Reported
Active Site Converter Treatment storage and Disposal Facility:	Not Reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not Reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not Reported
Hazardous Secondary Material Indicator:	NN
Sub-Part K Indicator:	Not Reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Storage, Treatment
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not Reported
Permit Workload Universe:	Not Reported
Permit Progress Universe:	Storage, Treatment
Post-Closure Workload Universe:	Not Reported
Closure Workload Universe:	Not Reported
202 GPRA Corrective Action Baseline:	Yes
Corrective Action Workload Universe:	Yes
Subject to Corrective Action Universe:	Yes
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No

SIGNET ARMORLITE, INC., 1001 ARMORLITE DRIVE, SAN MARCOS, CA, 92069 (Continued)

TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	Yes
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	Yes
Groundwater Controls Indicator:	Yes
Operating TSDF Universe:	Not Reported
Full Enforcement Universe:	Not Reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not Reported
Handler Date of Last Change:	20121106
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	Not Reported
Manifest Broker:	Not Reported
Sub-Part P Indicator:	No

Biennial: List of Years

Year:	2011
Click Here for Biennial Reporting System Data:	https://enviro.epa.gov/enviro/brs_report_v2.get_data?hand_id=CAD008362634&rep_year=2011
Year:	2009
Click Here for Biennial Reporting System Data:	https://enviro.epa.gov/enviro/brs_report_v2.get_data?hand_id=CAD008362634&rep_year=2009
Year:	2007
Click Here for Biennial Reporting System Data:	https://enviro.epa.gov/enviro/brs_report_v2.get_data?hand_id=CAD008362634&rep_year=2007
Year:	2003
Click Here for Biennial Reporting System Data:	https://enviro.epa.gov/enviro/brs_report_v2.get_data?hand_id=CAD008362634&rep_year=2003
Year:	2001
Click Here for Biennial Reporting System Data:	https://enviro.epa.gov/enviro/brs_report_v2.get_data?hand_id=CAD008362634&rep_year=2001

Hazardous Waste Summary:

SIGNET ARMORLITE, INC., 1001 ARMORLITE DRIVE, SAN MARCOS, CA, 92069 (Continued)

Waste Code:	D001
Waste Description:	IGNITABLE WASTE
Waste Code:	D002
Waste Description:	CORROSIVE WASTE
Waste Code:	D003
Waste Description:	REACTIVE WASTE
Waste Code:	D007
Waste Description:	CHROMIUM
Waste Code:	D009
Waste Description:	MERCURY
Waste Code:	D011
Waste Description:	SILVER
Waste Code:	D018
Waste Description:	BENZENE
Waste Code:	D035
Waste Description:	METHYL ETHYL KETONE
Waste Code:	D039
Waste Description:	TETRACHLOROETHYLENE
Waste Code:	D040
Waste Description:	TRICHLORETHYLENE
Waste Code:	F001
Waste Description:	THE FOLLOWING SPENT HALOGENATED SOLVENTS USED IN DEGREASING: TETRACHLOROETHYLENE, TRICHLORETHYLENE, METHYLENE CHLORIDE, 1,1,1-TRICHLOROETHANE, CARBON TETRACHLORIDE AND CHLORINATED FLUOROCARBONS; ALL SPENT SOLVENT MIXTURES/BLENDS USED IN DEGREASING CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.
Waste Code:	F002
Waste Description:	THE FOLLOWING SPENT HALOGENATED SOLVENTS: TETRACHLOROETHYLENE, METHYLENE CHLORIDE, TRICHLOROETHYLENE, 1,1,1-TRICHLOROETHANE, CHLOROBENZENE, 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE, ORTHO-DICHLOROBENZENE,

SIGNET ARMORLITE, INC., 1001 ARMORLITE DRIVE, SAN MARCOS, CA, 92069 (Continued)

	TRICHLOROFLUOROMETHANE, AND 1,1,2, TRICHLOROETHANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.
Waste Code:	F003
Waste Description:	THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.
Waste Code:	P005
Waste Description:	2-PROPEN-1-OL (OR) ALLYL ALCOHOL
Waste Code:	U002
Waste Description:	2-PROPANONE (I) (OR) ACETONE (I)
Waste Code:	U007
Waste Description:	2-PROPENAMIDE (OR) ACRYLAMIDE
Waste Code:	U080
Waste Description:	METHANE, DICHLORO- (OR) METHYLENE CHLORIDE
Waste Code:	U112
Waste Description:	ACETIC ACID, ETHYL ESTER (I) (OR) ETHYL ACETATE (I)
Waste Code:	U151
Waste Description:	MERCURY
Waste Code:	U154
Waste Description:	METHANOL (I) (OR) METHYL ALCOHOL (I)
Waste Code:	U220
Waste Description:	BENZENE, METHYL- (OR) TOLUENE
Waste Code:	U236
Waste Description:	2,7-NAPHTHALENEDISULFONIC ACID,3,3'-[(3,3'-DIMETHYL[1,1'-BIPHENYL]-4,4'-DIYL)BIS(AZO)BIS[5-AMINO-4-HYDROXY]-, TETRASODIUM SALT (OR) TRYPAN BLUE

SIGNET ARMORLITE, INC., 1001 ARMORLITE DRIVE, SAN MARCOS, CA, 92069 (Continued)

Handler - Owner Operator:

Owner/Operator Indicator:	Operator
Owner/Operator Name:	EDA HOLDINGS CO, INC.
Legal Status:	Private
Date Became Current:	20100401
Date Ended Current:	Not Reported
Owner/Operator Address:	135555 N STEMMONS FREEWAY
Owner/Operator City,State,Zip:	DALLAS, TX 75234
Owner/Operator Telephone:	760-744-4000
Owner/Operator Telephone Ext:	Not Reported
Owner/Operator Fax:	Not Reported
Owner/Operator Email:	Not Reported

Owner/Operator Indicator:	Operator
Owner/Operator Name:	INDUSTRIE OTTICHE EUROPEE
Legal Status:	Private
Date Became Current:	19970301
Date Ended Current:	Not Reported
Owner/Operator Address:	Not Reported
Owner/Operator City,State,Zip:	Not Reported
Owner/Operator Telephone:	Not Reported
Owner/Operator Telephone Ext:	Not Reported
Owner/Operator Fax:	Not Reported
Owner/Operator Email:	Not Reported

Owner/Operator Indicator:	Owner
Owner/Operator Name:	INDUSTRIE OTTICHE EUROPEE
Legal Status:	Private
Date Became Current:	19970301
Date Ended Current:	Not Reported
Owner/Operator Address:	1001 ARMORLITE DRIVE
Owner/Operator City,State,Zip:	SAN MARCOS, CA 92069
Owner/Operator Telephone:	Not Reported
Owner/Operator Telephone Ext:	Not Reported
Owner/Operator Fax:	Not Reported
Owner/Operator Email:	Not Reported

Owner/Operator Indicator:	Operator
Owner/Operator Name:	INDUSTRIE OTTICHE EUROPEE
Legal Status:	Private
Date Became Current:	19970301
Date Ended Current:	Not Reported
Owner/Operator Address:	Not Reported
Owner/Operator City,State,Zip:	Not Reported
Owner/Operator Telephone:	Not Reported

SIGNET ARMORLITE, INC., 1001 ARMORLITE DRIVE, SAN MARCOS, CA, 92069 (Continued)

Owner/Operator Telephone Ext:	Not Reported
Owner/Operator Fax:	Not Reported
Owner/Operator Email:	Not Reported

Owner/Operator Indicator:	Owner
Owner/Operator Name:	INDUSTRIE OTTICHE EUROPEE
Legal Status:	Private
Date Became Current:	Not Reported
Date Ended Current:	Not Reported
Owner/Operator Address:	VIA XX SETTEMBRE 12
Owner/Operator City,State,Zip:	MILANO ITALY, CA 99999
Owner/Operator Telephone:	Not Reported
Owner/Operator Telephone Ext:	Not Reported
Owner/Operator Fax:	Not Reported
Owner/Operator Email:	Not Reported

Owner/Operator Indicator:	Owner
Owner/Operator Name:	INDUSTRIE OTTICHE EUROPEE
Legal Status:	Private
Date Became Current:	19970301
Date Ended Current:	Not Reported
Owner/Operator Address:	1001 ARMORLITE DRIVE
Owner/Operator City,State,Zip:	SAN MARCOS, CA 92069
Owner/Operator Telephone:	Not Reported
Owner/Operator Telephone Ext:	Not Reported
Owner/Operator Fax:	Not Reported
Owner/Operator Email:	Not Reported

Owner/Operator Indicator:	Owner
Owner/Operator Name:	ARMORLITE S.P.A
Legal Status:	Private
Date Became Current:	19970301
Date Ended Current:	Not Reported
Owner/Operator Address:	1001 ARMORLITE DRIVE
Owner/Operator City,State,Zip:	SAN MARCOS, CA 92069
Owner/Operator Telephone:	760-744-4000
Owner/Operator Telephone Ext:	Not Reported
Owner/Operator Fax:	Not Reported
Owner/Operator Email:	Not Reported

Owner/Operator Indicator:	Owner
Owner/Operator Name:	INDUSTRIE OTTICHE EUROPEE
Legal Status:	Private
Date Became Current:	19970301
Date Ended Current:	Not Reported
Owner/Operator Address:	1001 ARMORLITE DRIVE

SIGNET ARMORLITE, INC., 1001 ARMORLITE DRIVE, SAN MARCOS, CA, 92069 (Continued)

Owner/Operator City,State,Zip:	SAN MARCOS, CA 92069
Owner/Operator Telephone:	Not Reported
Owner/Operator Telephone Ext:	Not Reported
Owner/Operator Fax:	Not Reported
Owner/Operator Email:	Not Reported

Owner/Operator Indicator:	Operator
Owner/Operator Name:	INDUSTRIE OTTICHE EUROPEE
Legal Status:	Private
Date Became Current:	19970301
Date Ended Current:	Not Reported
Owner/Operator Address:	Not Reported
Owner/Operator City,State,Zip:	Not Reported
Owner/Operator Telephone:	Not Reported
Owner/Operator Telephone Ext:	Not Reported
Owner/Operator Fax:	Not Reported
Owner/Operator Email:	Not Reported

Owner/Operator Indicator:	Operator
Owner/Operator Name:	ARMORLITE S.P.A.
Legal Status:	Private
Date Became Current:	19970301
Date Ended Current:	Not Reported
Owner/Operator Address:	1001 ARMORLITE DRIVE
Owner/Operator City,State,Zip:	SAN MARCOS, CA 92069
Owner/Operator Telephone:	Not Reported
Owner/Operator Telephone Ext:	Not Reported
Owner/Operator Fax:	Not Reported
Owner/Operator Email:	Not Reported

Owner/Operator Indicator:	Owner
Owner/Operator Name:	EDA HOLDINGS CO, INC.
Legal Status:	Private
Date Became Current:	20100401
Date Ended Current:	Not Reported
Owner/Operator Address:	135555 N STEMMONS FREEWAY
Owner/Operator City,State,Zip:	DALLAS, TX 75234
Owner/Operator Telephone:	760-744-4000
Owner/Operator Telephone Ext:	Not Reported
Owner/Operator Fax:	Not Reported
Owner/Operator Email:	Not Reported

Owner/Operator Indicator:	Operator
Owner/Operator Name:	SIGNET ARMORLITE INC
Legal Status:	Private
Date Became Current:	Not Reported

SIGNET ARMORLITE, INC., 1001 ARMORLITE DRIVE, SAN MARCOS, CA, 92069 (Continued)

Date Ended Current:	Not Reported
Owner/Operator Address:	1001 ARMORLITE DR
Owner/Operator City,State,Zip:	SAN MARCOS, CA 92069
Owner/Operator Telephone:	619-744-4000
Owner/Operator Telephone Ext:	Not Reported
Owner/Operator Fax:	Not Reported
Owner/Operator Email:	Not Reported

Historic Generators:

Receive Date:	20100201
Handler Name:	SIGNET ARMORLITE, INC.
Federal Waste Generator Description:	Large Quantity Generator
State District Owner:	Not Reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	No
Non Storage Recycler Activity:	Not Reported
Electronic Manifest Broker:	Not Reported

Receive Date:	20120229
Handler Name:	SIGNET ARMORLITE, INC.
Federal Waste Generator Description:	Large Quantity Generator
State District Owner:	Not Reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	Not Reported
Electronic Manifest Broker:	Not Reported

Receive Date:	19960901
Handler Name:	SIGNET ARMORLITE INC
Federal Waste Generator Description:	Large Quantity Generator
State District Owner:	CA
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No

SIGNET ARMORLITE, INC., 1001 ARMORLITE DRIVE, SAN MARCOS, CA, 92069 (Continued)

Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	No
Non Storage Recycler Activity:	Not Reported
Electronic Manifest Broker:	Not Reported

Receive Date:	20040310
Handler Name:	SIGNET ARMORLITE, INC.
Federal Waste Generator Description:	Small Quantity Generator
State District Owner:	Not Reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	No
Non Storage Recycler Activity:	Not Reported
Electronic Manifest Broker:	Not Reported

Receive Date:	19930513
Handler Name:	SIGNET ARMORLITE INC
Federal Waste Generator Description:	Large Quantity Generator
State District Owner:	CA
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	No
Non Storage Recycler Activity:	Not Reported
Electronic Manifest Broker:	Not Reported

Receive Date:	19900413
Handler Name:	SIGNET ARMORLITE INC
Federal Waste Generator Description:	Large Quantity Generator
State District Owner:	Not Reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No

SIGNET ARMORLITE, INC., 1001 ARMORLITE DRIVE, SAN MARCOS, CA, 92069 (Continued)

Current Record:	No
Non Storage Recycler Activity:	Not Reported
Electronic Manifest Broker:	Not Reported

Receive Date:	19920224
Handler Name:	SIGNET ARMORLITE, INC.
Federal Waste Generator Description:	Large Quantity Generator
State District Owner:	Not Reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	No
Non Storage Recycler Activity:	Not Reported
Electronic Manifest Broker:	Not Reported

Receive Date:	19940309
Handler Name:	SIGNET ARMORLITE INC
Federal Waste Generator Description:	Large Quantity Generator
State District Owner:	Not Reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	No
Non Storage Recycler Activity:	Not Reported
Electronic Manifest Broker:	Not Reported

Receive Date:	19960226
Handler Name:	SIGNET ARMORLITE, INC.
Federal Waste Generator Description:	Large Quantity Generator
State District Owner:	Not Reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	No
Non Storage Recycler Activity:	Not Reported
Electronic Manifest Broker:	Not Reported

SIGNET ARMORLITE, INC., 1001 ARMORLITE DRIVE, SAN MARCOS, CA, 92069 (Continued)

Receive Date:	19990304
Handler Name:	SIGNET ARMORLITE, INC.
Federal Waste Generator Description:	Large Quantity Generator
State District Owner:	Not Reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	No
Non Storage Recycler Activity:	Not Reported
Electronic Manifest Broker:	Not Reported

Receive Date:	20001012
Handler Name:	SIGNET ARMORLITE
Federal Waste Generator Description:	Large Quantity Generator
State District Owner:	Not Reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	No
Non Storage Recycler Activity:	Not Reported
Electronic Manifest Broker:	Not Reported

Receive Date:	20020227
Handler Name:	SIGNET ARMORLITE INC.
Federal Waste Generator Description:	Large Quantity Generator
State District Owner:	Not Reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	No
Non Storage Recycler Activity:	Not Reported
Electronic Manifest Broker:	Not Reported

Receive Date:	20040310
Handler Name:	SIGNET ARMORLITE, INC.

SIGNET ARMORLITE, INC., 1001 ARMORLITE DRIVE, SAN MARCOS, CA, 92069 (Continued)

Federal Waste Generator Description:	Large Quantity Generator
State District Owner:	Not Reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	No
Non Storage Recycler Activity:	Not Reported
Electronic Manifest Broker:	Not Reported

Receive Date:	20080616
Handler Name:	SIGNET ARMORLITE, INC.
Federal Waste Generator Description:	Large Quantity Generator
State District Owner:	Not Reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	No
Non Storage Recycler Activity:	Not Reported
Electronic Manifest Broker:	Not Reported

List of NAICS Codes and Descriptions:

NAICS Code:	326199
NAICS Description:	ALL OTHER PLASTICS PRODUCT MANUFACTURING

NAICS Code:	339115
NAICS Description:	OPHTHALMIC GOODS MANUFACTURING

Facility Has Received Notices of Violation:

Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	Generators - General
Date Violation was Determined:	19920420
Actual Return to Compliance Date:	19920910
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not Reported

SIGNET ARMORLITE, INC., 1001 ARMORLITE DRIVE, SAN MARCOS, CA, 92069 (Continued)

Enforcement Identifier:	Not Reported
Date of Enforcement Action:	Not Reported
Enforcement Responsible Agency:	Not Reported
Enforcement Docket Number:	Not Reported
Enforcement Attorney:	Not Reported
Corrective Action Component:	Not Reported
Appeal Initiated Date:	Not Reported
Appeal Resolution Date:	Not Reported
Disposition Status Date:	Not Reported
Disposition Status:	Not Reported
Disposition Status Description:	Not Reported
Consent/Final Order Sequence Number:	Not Reported
Consent/Final Order Respondent Name:	Not Reported
Consent/Final Order Lead Agency:	Not Reported
Enforcement Type:	Not Reported
Enforcement Responsible Person:	Not Reported
Enforcement Responsible Sub-Organization:	Not Reported
SEP Sequence Number:	Not Reported
SEP Expenditure Amount:	Not Reported
SEP Scheduled Completion Date:	Not Reported
SEP Actual Date:	Not Reported
SEP Defaulted Date:	Not Reported
SEP Type:	Not Reported
SEP Type Description:	Not Reported
Proposed Amount:	Not Reported
Final Monetary Amount:	Not Reported
Paid Amount:	Not Reported
Final Count:	Not Reported
Final Amount:	Not Reported

Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	Generators - General
Date Violation was Determined:	20030908
Actual Return to Compliance Date:	20051027
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not Reported
Enforcement Identifier:	Not Reported
Date of Enforcement Action:	Not Reported
Enforcement Responsible Agency:	Not Reported
Enforcement Docket Number:	Not Reported
Enforcement Attorney:	Not Reported
Corrective Action Component:	Not Reported

SIGNET ARMORLITE, INC., 1001 ARMORLITE DRIVE, SAN MARCOS, CA, 92069 (Continued)

Appeal Initiated Date:	Not Reported
Appeal Resolution Date:	Not Reported
Disposition Status Date:	Not Reported
Disposition Status:	Not Reported
Disposition Status Description:	Not Reported
Consent/Final Order Sequence Number:	Not Reported
Consent/Final Order Respondent Name:	Not Reported
Consent/Final Order Lead Agency:	Not Reported
Enforcement Type:	Not Reported
Enforcement Responsible Person:	Not Reported
Enforcement Responsible Sub-Organization:	Not Reported
SEP Sequence Number:	Not Reported
SEP Expenditure Amount:	Not Reported
SEP Scheduled Completion Date:	Not Reported
SEP Actual Date:	Not Reported
SEP Defaulted Date:	Not Reported
SEP Type:	Not Reported
SEP Type Description:	Not Reported
Proposed Amount:	Not Reported
Final Monetary Amount:	Not Reported
Paid Amount:	Not Reported
Final Count:	Not Reported
Final Amount:	Not Reported

Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	TSD - General
Date Violation was Determined:	19920420
Actual Return to Compliance Date:	19920910
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not Reported
Enforcement Identifier:	Not Reported
Date of Enforcement Action:	Not Reported
Enforcement Responsible Agency:	Not Reported
Enforcement Docket Number:	Not Reported
Enforcement Attorney:	Not Reported
Corrective Action Component:	Not Reported
Appeal Initiated Date:	Not Reported
Appeal Resolution Date:	Not Reported
Disposition Status Date:	Not Reported
Disposition Status:	Not Reported
Disposition Status Description:	Not Reported
Consent/Final Order Sequence Number:	Not Reported

SIGNET ARMORLITE, INC., 1001 ARMORLITE DRIVE, SAN MARCOS, CA, 92069 (Continued)

Consent/Final Order Respondent Name:	Not Reported
Consent/Final Order Lead Agency:	Not Reported
Enforcement Type:	Not Reported
Enforcement Responsible Person:	Not Reported
Enforcement Responsible Sub-Organization:	Not Reported
SEP Sequence Number:	Not Reported
SEP Expenditure Amount:	Not Reported
SEP Scheduled Completion Date:	Not Reported
SEP Actual Date:	Not Reported
SEP Defaulted Date:	Not Reported
SEP Type:	Not Reported
SEP Type Description:	Not Reported
Proposed Amount:	Not Reported
Final Monetary Amount:	Not Reported
Paid Amount:	Not Reported
Final Count:	Not Reported
Final Amount:	Not Reported

Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	TSD - General
Date Violation was Determined:	19871021
Actual Return to Compliance Date:	19920313
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	19880124
Enforcement Identifier:	001
Date of Enforcement Action:	19871222
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not Reported
Enforcement Attorney:	Not Reported
Corrective Action Component:	No
Appeal Initiated Date:	Not Reported
Appeal Resolution Date:	Not Reported
Disposition Status Date:	Not Reported
Disposition Status:	Not Reported
Disposition Status Description:	Not Reported
Consent/Final Order Sequence Number:	Not Reported
Consent/Final Order Respondent Name:	Not Reported
Consent/Final Order Lead Agency:	Not Reported
Enforcement Type:	WRITTEN INFORMAL
Enforcement Responsible Person:	R9STA
Enforcement Responsible Sub-Organization:	Not Reported

SIGNET ARMORLITE, INC., 1001 ARMORLITE DRIVE, SAN MARCOS, CA, 92069 (Continued)

SEP Sequence Number:	Not Reported
SEP Expenditure Amount:	Not Reported
SEP Scheduled Completion Date:	Not Reported
SEP Actual Date:	Not Reported
SEP Defaulted Date:	Not Reported
SEP Type:	Not Reported
SEP Type Description:	Not Reported
Proposed Amount:	Not Reported
Final Monetary Amount:	Not Reported
Paid Amount:	Not Reported
Final Count:	Not Reported
Final Amount:	Not Reported

Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	TSD - Closure/Post-Closure
Date Violation was Determined:	19920420
Actual Return to Compliance Date:	19920910
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not Reported
Enforcement Identifier:	Not Reported
Date of Enforcement Action:	Not Reported
Enforcement Responsible Agency:	Not Reported
Enforcement Docket Number:	Not Reported
Enforcement Attorney:	Not Reported
Corrective Action Component:	Not Reported
Appeal Initiated Date:	Not Reported
Appeal Resolution Date:	Not Reported
Disposition Status Date:	Not Reported
Disposition Status:	Not Reported
Disposition Status Description:	Not Reported
Consent/Final Order Sequence Number:	Not Reported
Consent/Final Order Respondent Name:	Not Reported
Consent/Final Order Lead Agency:	Not Reported
Enforcement Type:	Not Reported
Enforcement Responsible Person:	Not Reported
Enforcement Responsible Sub-Organization:	Not Reported
SEP Sequence Number:	Not Reported
SEP Expenditure Amount:	Not Reported
SEP Scheduled Completion Date:	Not Reported
SEP Actual Date:	Not Reported
SEP Defaulted Date:	Not Reported
SEP Type:	Not Reported

SIGNET ARMORLITE, INC., 1001 ARMORLITE DRIVE, SAN MARCOS, CA, 92069 (Continued)

SEP Type Description:	Not Reported
Proposed Amount:	Not Reported
Final Monetary Amount:	Not Reported
Paid Amount:	Not Reported
Final Count:	Not Reported
Final Amount:	Not Reported

Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	TSD - Closure/Post-Closure
Date Violation was Determined:	19871021
Actual Return to Compliance Date:	19920910
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	19880124
Enforcement Identifier:	001
Date of Enforcement Action:	19871222
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not Reported
Enforcement Attorney:	Not Reported
Corrective Action Component:	No
Appeal Initiated Date:	Not Reported
Appeal Resolution Date:	Not Reported
Disposition Status Date:	Not Reported
Disposition Status:	Not Reported
Disposition Status Description:	Not Reported
Consent/Final Order Sequence Number:	Not Reported
Consent/Final Order Respondent Name:	Not Reported
Consent/Final Order Lead Agency:	Not Reported
Enforcement Type:	WRITTEN INFORMAL
Enforcement Responsible Person:	R9STA
Enforcement Responsible Sub-Organization:	Not Reported
SEP Sequence Number:	Not Reported
SEP Expenditure Amount:	Not Reported
SEP Scheduled Completion Date:	Not Reported
SEP Actual Date:	Not Reported
SEP Defaulted Date:	Not Reported
SEP Type:	Not Reported
SEP Type Description:	Not Reported
Proposed Amount:	Not Reported
Final Monetary Amount:	Not Reported
Paid Amount:	Not Reported
Final Count:	Not Reported
Final Amount:	Not Reported

SIGNET ARMORLITE, INC., 1001 ARMORLITE DRIVE, SAN MARCOS, CA, 92069 (Continued)

Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	TSD - General
Date Violation was Determined:	19920420
Actual Return to Compliance Date:	19920910
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not Reported
Enforcement Identifier:	Not Reported
Date of Enforcement Action:	Not Reported
Enforcement Responsible Agency:	Not Reported
Enforcement Docket Number:	Not Reported
Enforcement Attorney:	Not Reported
Corrective Action Component:	Not Reported
Appeal Initiated Date:	Not Reported
Appeal Resolution Date:	Not Reported
Disposition Status Date:	Not Reported
Disposition Status:	Not Reported
Disposition Status Description:	Not Reported
Consent/Final Order Sequence Number:	Not Reported
Consent/Final Order Respondent Name:	Not Reported
Consent/Final Order Lead Agency:	Not Reported
Enforcement Type:	Not Reported
Enforcement Responsible Person:	Not Reported
Enforcement Responsible Sub-Organization:	Not Reported
SEP Sequence Number:	Not Reported
SEP Expenditure Amount:	Not Reported
SEP Scheduled Completion Date:	Not Reported
SEP Actual Date:	Not Reported
SEP Defaulted Date:	Not Reported
SEP Type:	Not Reported
SEP Type Description:	Not Reported
Proposed Amount:	Not Reported
Final Monetary Amount:	Not Reported
Paid Amount:	Not Reported
Final Count:	Not Reported
Final Amount:	Not Reported

Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	Generators - General
Date Violation was Determined:	19900117

SIGNET ARMORLITE, INC., 1001 ARMORLITE DRIVE, SAN MARCOS, CA, 92069 (Continued)

Actual Return to Compliance Date:	19910307
Return to Compliance Qualifier:	Unverifiable
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not Reported
Enforcement Identifier:	Not Reported
Date of Enforcement Action:	Not Reported
Enforcement Responsible Agency:	Not Reported
Enforcement Docket Number:	Not Reported
Enforcement Attorney:	Not Reported
Corrective Action Component:	Not Reported
Appeal Initiated Date:	Not Reported
Appeal Resolution Date:	Not Reported
Disposition Status Date:	Not Reported
Disposition Status:	Not Reported
Disposition Status Description:	Not Reported
Consent/Final Order Sequence Number:	Not Reported
Consent/Final Order Respondent Name:	Not Reported
Consent/Final Order Lead Agency:	Not Reported
Enforcement Type:	Not Reported
Enforcement Responsible Person:	Not Reported
Enforcement Responsible Sub-Organization:	Not Reported
SEP Sequence Number:	Not Reported
SEP Expenditure Amount:	Not Reported
SEP Scheduled Completion Date:	Not Reported
SEP Actual Date:	Not Reported
SEP Defaulted Date:	Not Reported
SEP Type:	Not Reported
SEP Type Description:	Not Reported
Proposed Amount:	Not Reported
Final Monetary Amount:	Not Reported
Paid Amount:	Not Reported
Final Count:	Not Reported
Final Amount:	Not Reported

Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	TSD - Financial Requirements
Date Violation was Determined:	19880126
Actual Return to Compliance Date:	19890426
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not Reported
Enforcement Identifier:	003
Date of Enforcement Action:	19890201

SIGNET ARMORLITE, INC., 1001 ARMORLITE DRIVE, SAN MARCOS, CA, 92069 (Continued)

Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not Reported
Enforcement Attorney:	Not Reported
Corrective Action Component:	No
Appeal Initiated Date:	Not Reported
Appeal Resolution Date:	Not Reported
Disposition Status Date:	Not Reported
Disposition Status:	Not Reported
Disposition Status Description:	Not Reported
Consent/Final Order Sequence Number:	Not Reported
Consent/Final Order Respondent Name:	Not Reported
Consent/Final Order Lead Agency:	Not Reported
Enforcement Type:	INITIAL 3008(A) COMPLIANCE
Enforcement Responsible Person:	R9STA
Enforcement Responsible Sub-Organization:	Not Reported
SEP Sequence Number:	Not Reported
SEP Expenditure Amount:	Not Reported
SEP Scheduled Completion Date:	Not Reported
SEP Actual Date:	Not Reported
SEP Defaulted Date:	Not Reported
SEP Type:	Not Reported
SEP Type Description:	Not Reported
Proposed Amount:	30000
Final Monetary Amount:	30000
Paid Amount:	Not Reported
Final Count:	1
Final Amount:	30000

Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	Generators - General
Date Violation was Determined:	19910307
Actual Return to Compliance Date:	19920313
Return to Compliance Qualifier:	Unverifiable
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not Reported
Enforcement Identifier:	Not Reported
Date of Enforcement Action:	Not Reported
Enforcement Responsible Agency:	Not Reported
Enforcement Docket Number:	Not Reported
Enforcement Attorney:	Not Reported
Corrective Action Component:	Not Reported
Appeal Initiated Date:	Not Reported
Appeal Resolution Date:	Not Reported

SIGNET ARMORLITE, INC., 1001 ARMORLITE DRIVE, SAN MARCOS, CA, 92069 (Continued)

Disposition Status Date:	Not Reported
Disposition Status:	Not Reported
Disposition Status Description:	Not Reported
Consent/Final Order Sequence Number:	Not Reported
Consent/Final Order Respondent Name:	Not Reported
Consent/Final Order Lead Agency:	Not Reported
Enforcement Type:	Not Reported
Enforcement Responsible Person:	Not Reported
Enforcement Responsible Sub-Organization:	Not Reported
SEP Sequence Number:	Not Reported
SEP Expenditure Amount:	Not Reported
SEP Scheduled Completion Date:	Not Reported
SEP Actual Date:	Not Reported
SEP Defaulted Date:	Not Reported
SEP Type:	Not Reported
SEP Type Description:	Not Reported
Proposed Amount:	Not Reported
Final Monetary Amount:	Not Reported
Paid Amount:	Not Reported
Final Count:	Not Reported
Final Amount:	Not Reported

Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	LDR - General
Date Violation was Determined:	19880121
Actual Return to Compliance Date:	19880725
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not Reported
Enforcement Identifier:	001
Date of Enforcement Action:	19880705
Enforcement Responsible Agency:	EPA
Enforcement Docket Number:	Not Reported
Enforcement Attorney:	Not Reported
Corrective Action Component:	No
Appeal Initiated Date:	Not Reported
Appeal Resolution Date:	Not Reported
Disposition Status Date:	Not Reported
Disposition Status:	Not Reported
Disposition Status Description:	Not Reported
Consent/Final Order Sequence Number:	Not Reported
Consent/Final Order Respondent Name:	Not Reported

SIGNET ARMORLITE, INC., 1001 ARMORLITE DRIVE, SAN MARCOS, CA, 92069 (Continued)

Consent/Final Order Lead Agency:	Not Reported
Enforcement Type:	WRITTEN INFORMAL
Enforcement Responsible Person:	R9EPA
Enforcement Responsible Sub-Organization:	Not Reported
SEP Sequence Number:	Not Reported
SEP Expenditure Amount:	Not Reported
SEP Scheduled Completion Date:	Not Reported
SEP Actual Date:	Not Reported
SEP Defaulted Date:	Not Reported
SEP Type:	Not Reported
SEP Type Description:	Not Reported
Proposed Amount:	Not Reported
Final Monetary Amount:	Not Reported
Paid Amount:	Not Reported
Final Count:	Not Reported
Final Amount:	Not Reported

Found Violation:	No
Agency Which Determined Violation:	Not Reported
Violation Short Description:	Not Reported
Date Violation was Determined:	Not Reported
Actual Return to Compliance Date:	Not Reported
Return to Compliance Qualifier:	Not Reported
Violation Responsible Agency:	Not Reported
Scheduled Compliance Date:	Not Reported
Enforcement Identifier:	Not Reported
Date of Enforcement Action:	Not Reported
Enforcement Responsible Agency:	Not Reported
Enforcement Docket Number:	Not Reported
Enforcement Attorney:	Not Reported
Corrective Action Component:	Not Reported
Appeal Initiated Date:	Not Reported
Appeal Resolution Date:	Not Reported
Disposition Status Date:	Not Reported
Disposition Status:	Not Reported
Disposition Status Description:	Not Reported
Consent/Final Order Sequence Number:	Not Reported
Consent/Final Order Respondent Name:	Not Reported
Consent/Final Order Lead Agency:	Not Reported
Enforcement Type:	Not Reported
Enforcement Responsible Person:	Not Reported
Enforcement Responsible Sub-Organization:	Not Reported
SEP Sequence Number:	Not Reported
SEP Expenditure Amount:	Not Reported

SIGNET ARMORLITE, INC., 1001 ARMORLITE DRIVE, SAN MARCOS, CA, 92069 (Continued)

SEP Scheduled Completion Date:	Not Reported
SEP Actual Date:	Not Reported
SEP Defaulted Date:	Not Reported
SEP Type:	Not Reported
SEP Type Description:	Not Reported
Proposed Amount:	Not Reported
Final Monetary Amount:	Not Reported
Paid Amount:	Not Reported
Final Count:	Not Reported
Final Amount:	Not Reported

Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	TSD - Financial Requirements
Date Violation was Determined:	19880126
Actual Return to Compliance Date:	19890426
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not Reported
Enforcement Identifier:	002
Date of Enforcement Action:	19880224
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not Reported
Enforcement Attorney:	Not Reported
Corrective Action Component:	No
Appeal Initiated Date:	Not Reported
Appeal Resolution Date:	Not Reported
Disposition Status Date:	Not Reported
Disposition Status:	Not Reported
Disposition Status Description:	Not Reported
Consent/Final Order Sequence Number:	Not Reported
Consent/Final Order Respondent Name:	Not Reported
Consent/Final Order Lead Agency:	Not Reported
Enforcement Type:	WRITTEN INFORMAL
Enforcement Responsible Person:	R9STA
Enforcement Responsible Sub-Organization:	Not Reported
SEP Sequence Number:	Not Reported
SEP Expenditure Amount:	Not Reported
SEP Scheduled Completion Date:	Not Reported
SEP Actual Date:	Not Reported
SEP Defaulted Date:	Not Reported
SEP Type:	Not Reported
SEP Type Description:	Not Reported
Proposed Amount:	Not Reported

SIGNET ARMORLITE, INC., 1001 ARMORLITE DRIVE, SAN MARCOS, CA, 92069 (Continued)

Final Monetary Amount:	Not Reported
Paid Amount:	Not Reported
Final Count:	Not Reported
Final Amount:	Not Reported

Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	Generators - General
Date Violation was Determined:	19930722
Actual Return to Compliance Date:	19980722
Return to Compliance Qualifier:	Not Resolved
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not Reported
Enforcement Identifier:	Not Reported
Date of Enforcement Action:	Not Reported
Enforcement Responsible Agency:	Not Reported
Enforcement Docket Number:	Not Reported
Enforcement Attorney:	Not Reported
Corrective Action Component:	Not Reported
Appeal Initiated Date:	Not Reported
Appeal Resolution Date:	Not Reported
Disposition Status Date:	Not Reported
Disposition Status:	Not Reported
Disposition Status Description:	Not Reported
Consent/Final Order Sequence Number:	Not Reported
Consent/Final Order Respondent Name:	Not Reported
Consent/Final Order Lead Agency:	Not Reported
Enforcement Type:	Not Reported
Enforcement Responsible Person:	Not Reported
Enforcement Responsible Sub-Organization:	Not Reported
SEP Sequence Number:	Not Reported
SEP Expenditure Amount:	Not Reported
SEP Scheduled Completion Date:	Not Reported
SEP Actual Date:	Not Reported
SEP Defaulted Date:	Not Reported
SEP Type:	Not Reported
SEP Type Description:	Not Reported
Proposed Amount:	Not Reported
Final Monetary Amount:	Not Reported
Paid Amount:	Not Reported
Final Count:	Not Reported
Final Amount:	Not Reported

Found Violation:	No

SIGNET ARMORLITE, INC., 1001 ARMORLITE DRIVE, SAN MARCOS, CA, 92069 (Continued)

Agency Which Determined Violation:	Not Reported
Violation Short Description:	Not Reported
Date Violation was Determined:	Not Reported
Actual Return to Compliance Date:	Not Reported
Return to Compliance Qualifier:	Not Reported
Violation Responsible Agency:	Not Reported
Scheduled Compliance Date:	Not Reported
Enforcement Identifier:	Not Reported
Date of Enforcement Action:	Not Reported
Enforcement Responsible Agency:	Not Reported
Enforcement Docket Number:	Not Reported
Enforcement Attorney:	Not Reported
Corrective Action Component:	Not Reported
Appeal Initiated Date:	Not Reported
Appeal Resolution Date:	Not Reported
Disposition Status Date:	Not Reported
Disposition Status:	Not Reported
Disposition Status Description:	Not Reported
Consent/Final Order Sequence Number:	Not Reported
Consent/Final Order Respondent Name:	Not Reported
Consent/Final Order Lead Agency:	Not Reported
Enforcement Type:	Not Reported
Enforcement Responsible Person:	Not Reported
Enforcement Responsible Sub-Organization:	Not Reported
SEP Sequence Number:	Not Reported
SEP Expenditure Amount:	Not Reported
SEP Scheduled Completion Date:	Not Reported
SEP Actual Date:	Not Reported
SEP Defaulted Date:	Not Reported
SEP Type:	Not Reported
SEP Type Description:	Not Reported
Proposed Amount:	Not Reported
Final Monetary Amount:	Not Reported
Paid Amount:	Not Reported
Final Count:	Not Reported
Final Amount:	Not Reported

Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	TSD - General
Date Violation was Determined:	19920420
Actual Return to Compliance Date:	19920910
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State

SIGNET ARMORLITE, INC., 1001 ARMORLITE DRIVE, SAN MARCOS, CA, 92069 (Continued)

Scheduled Compliance Date:	Not Reported
Enforcement Identifier:	Not Reported
Date of Enforcement Action:	Not Reported
Enforcement Responsible Agency:	Not Reported
Enforcement Docket Number:	Not Reported
Enforcement Attorney:	Not Reported
Corrective Action Component:	Not Reported
Appeal Initiated Date:	Not Reported
Appeal Resolution Date:	Not Reported
Disposition Status Date:	Not Reported
Disposition Status:	Not Reported
Disposition Status Description:	Not Reported
Consent/Final Order Sequence Number:	Not Reported
Consent/Final Order Respondent Name:	Not Reported
Consent/Final Order Lead Agency:	Not Reported
Enforcement Type:	Not Reported
Enforcement Responsible Person:	Not Reported
Enforcement Responsible Sub-Organization:	Not Reported
SEP Sequence Number:	Not Reported
SEP Expenditure Amount:	Not Reported
SEP Scheduled Completion Date:	Not Reported
SEP Actual Date:	Not Reported
SEP Defaulted Date:	Not Reported
SEP Type:	Not Reported
SEP Type Description:	Not Reported
Proposed Amount:	Not Reported
Final Monetary Amount:	Not Reported
Paid Amount:	Not Reported
Final Count:	Not Reported
Final Amount:	Not Reported

Found Violation:	No
Agency Which Determined Violation:	Not Reported
Violation Short Description:	Not Reported
Date Violation was Determined:	Not Reported
Actual Return to Compliance Date:	Not Reported
Return to Compliance Qualifier:	Not Reported
Violation Responsible Agency:	Not Reported
Scheduled Compliance Date:	Not Reported
Enforcement Identifier:	Not Reported
Date of Enforcement Action:	Not Reported
Enforcement Responsible Agency:	Not Reported
Enforcement Docket Number:	Not Reported
Enforcement Attorney:	Not Reported

SIGNET ARMORLITE, INC., 1001 ARMORLITE DRIVE, SAN MARCOS, CA, 92069 (Continued)

Corrective Action Component:	Not Reported
Appeal Initiated Date:	Not Reported
Appeal Resolution Date:	Not Reported
Disposition Status Date:	Not Reported
Disposition Status:	Not Reported
Disposition Status Description:	Not Reported
Consent/Final Order Sequence Number:	Not Reported
Consent/Final Order Respondent Name:	Not Reported
Consent/Final Order Lead Agency:	Not Reported
Enforcement Type:	Not Reported
Enforcement Responsible Person:	Not Reported
Enforcement Responsible Sub-Organization:	Not Reported
SEP Sequence Number:	Not Reported
SEP Expenditure Amount:	Not Reported
SEP Scheduled Completion Date:	Not Reported
SEP Actual Date:	Not Reported
SEP Defaulted Date:	Not Reported
SEP Type:	Not Reported
SEP Type Description:	Not Reported
Proposed Amount:	Not Reported
Final Monetary Amount:	Not Reported
Paid Amount:	Not Reported
Final Count:	Not Reported
Final Amount:	Not Reported

Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	LDR - General
Date Violation was Determined:	19880121
Actual Return to Compliance Date:	19880725
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not Reported
Enforcement Identifier:	001
Date of Enforcement Action:	19880705
Enforcement Responsible Agency:	EPA
Enforcement Docket Number:	Not Reported
Enforcement Attorney:	Not Reported
Corrective Action Component:	No
Appeal Initiated Date:	Not Reported
Appeal Resolution Date:	Not Reported
Disposition Status Date:	Not Reported
Disposition Status:	Not Reported
Disposition Status Description:	Not Reported

SIGNET ARMORLITE, INC., 1001 ARMORLITE DRIVE, SAN MARCOS, CA, 92069 (Continued)

Consent/Final Order Sequence Number:	Not Reported
Consent/Final Order Respondent Name:	Not Reported
Consent/Final Order Lead Agency:	Not Reported
Enforcement Type:	WRITTEN INFORMAL
Enforcement Responsible Person:	R9EPA
Enforcement Responsible Sub-Organization:	Not Reported
SEP Sequence Number:	Not Reported
SEP Expenditure Amount:	Not Reported
SEP Scheduled Completion Date:	Not Reported
SEP Actual Date:	Not Reported
SEP Defaulted Date:	Not Reported
SEP Type:	Not Reported
SEP Type Description:	Not Reported
Proposed Amount:	Not Reported
Final Monetary Amount:	Not Reported
Paid Amount:	Not Reported
Final Count:	Not Reported
Final Amount:	Not Reported

Evaluation Action Summary:

Evaluation Date:	19920313
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not Reported
Actual Return to Compliance Date:	19920910
Scheduled Compliance Date:	Not Reported
Date of Request:	Not Reported
Date Response Received:	Not Reported
Request Agency:	Not Reported
Former Citation:	Not Reported

Evaluation Date:	20030908
Evaluation Responsible Agency:	State Contractor/Grantee
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not Reported
Evaluation Responsible Sub-Organization:	Not Reported
Actual Return to Compliance Date:	20051027
Scheduled Compliance Date:	Not Reported

SIGNET ARMORLITE, INC., 1001 ARMORLITE DRIVE, SAN MARCOS, CA, 92069 (Continued)

Date of Request:	Not Reported
Date Response Received:	Not Reported
Request Agency:	Not Reported
Former Citation:	Not Reported

Evaluation Date:	19920313
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not Reported
Actual Return to Compliance Date:	19920910
Scheduled Compliance Date:	Not Reported
Date of Request:	Not Reported
Date Response Received:	Not Reported
Request Agency:	Not Reported
Former Citation:	Not Reported

Evaluation Date:	19871021
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not Reported
Actual Return to Compliance Date:	19920313
Scheduled Compliance Date:	19880124
Date of Request:	Not Reported
Date Response Received:	Not Reported
Request Agency:	Not Reported
Former Citation:	Not Reported

Evaluation Date:	19920313
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not Reported
Actual Return to Compliance Date:	19920910
Scheduled Compliance Date:	Not Reported
Date of Request:	Not Reported
Date Response Received:	Not Reported
Request Agency:	Not Reported

SIGNET ARMORLITE, INC., 1001 ARMORLITE DRIVE, SAN MARCOS, CA, 92069 (Continued)

Former Citation:	Not Reported

Evaluation Date:	19871021
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not Reported
Actual Return to Compliance Date:	19920910
Scheduled Compliance Date:	19880124
Date of Request:	Not Reported
Date Response Received:	Not Reported
Request Agency:	Not Reported
Former Citation:	Not Reported

Evaluation Date:	19920313
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not Reported
Actual Return to Compliance Date:	19920910
Scheduled Compliance Date:	Not Reported
Date of Request:	Not Reported
Date Response Received:	Not Reported
Request Agency:	Not Reported
Former Citation:	Not Reported

Evaluation Date:	19900117
Evaluation Responsible Agency:	State Contractor/Grantee
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not Reported
Actual Return to Compliance Date:	19910307
Scheduled Compliance Date:	Not Reported
Date of Request:	Not Reported
Date Response Received:	Not Reported
Request Agency:	Not Reported
Former Citation:	Not Reported

Evaluation Date:	19880126

SIGNET ARMORLITE, INC., 1001 ARMORLITE DRIVE, SAN MARCOS, CA, 92069 (Continued)

Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	FINANCIAL RECORD REVIEW
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not Reported
Actual Return to Compliance Date:	19890426
Scheduled Compliance Date:	Not Reported
Date of Request:	Not Reported
Date Response Received:	Not Reported
Request Agency:	Not Reported
Former Citation:	Not Reported

Evaluation Date:	19910307
Evaluation Responsible Agency:	State Contractor/Grantee
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not Reported
Actual Return to Compliance Date:	19920313
Scheduled Compliance Date:	Not Reported
Date of Request:	Not Reported
Date Response Received:	Not Reported
Request Agency:	Not Reported
Former Citation:	Not Reported

Evaluation Date:	19880121
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not Reported
Actual Return to Compliance Date:	19880725
Scheduled Compliance Date:	Not Reported
Date of Request:	Not Reported
Date Response Received:	Not Reported
Request Agency:	Not Reported
Former Citation:	Not Reported

Evaluation Date:	20061027
Evaluation Responsible Agency:	Local
Found Violation:	No
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE

SIGNET ARMORLITE, INC., 1001 ARMORLITE DRIVE, SAN MARCOS, CA, 92069 (Continued)

Evaluation Responsible Person Identifier:	Not Reported
Evaluation Responsible Sub-Organization:	Not Reported
Actual Return to Compliance Date:	Not Reported
Scheduled Compliance Date:	Not Reported
Date of Request:	Not Reported
Date Response Received:	Not Reported
Request Agency:	Not Reported
Former Citation:	Not Reported

Evaluation Date:	19880126
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	FINANCIAL RECORD REVIEW
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not Reported
Actual Return to Compliance Date:	19890426
Scheduled Compliance Date:	Not Reported
Date of Request:	Not Reported
Date Response Received:	Not Reported
Request Agency:	Not Reported
Former Citation:	Not Reported

Evaluation Date:	19930722
Evaluation Responsible Agency:	State Contractor/Grantee
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not Reported
Actual Return to Compliance Date:	19980722
Scheduled Compliance Date:	Not Reported
Date of Request:	Not Reported
Date Response Received:	Not Reported
Request Agency:	Not Reported
Former Citation:	Not Reported

Evaluation Date:	20051027
Evaluation Responsible Agency:	Local
Found Violation:	No
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not Reported
Evaluation Responsible Sub-Organization:	Not Reported

SIGNET ARMORLITE, INC., 1001 ARMORLITE DRIVE, SAN MARCOS, CA, 92069 (Continued)

Actual Return to Compliance Date:	Not Reported
Scheduled Compliance Date:	Not Reported
Date of Request:	Not Reported
Date Response Received:	Not Reported
Request Agency:	Not Reported
Former Citation:	Not Reported

Evaluation Date:	19920313
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not Reported
Actual Return to Compliance Date:	19920910
Scheduled Compliance Date:	Not Reported
Date of Request:	Not Reported
Date Response Received:	Not Reported
Request Agency:	Not Reported
Former Citation:	Not Reported

Evaluation Date:	19920421
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	FINANCIAL RECORD REVIEW
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not Reported
Actual Return to Compliance Date:	Not Reported
Scheduled Compliance Date:	Not Reported
Date of Request:	Not Reported
Date Response Received:	Not Reported
Request Agency:	Not Reported
Former Citation:	Not Reported

Evaluation Date:	19880121
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not Reported
Actual Return to Compliance Date:	19880725
Scheduled Compliance Date:	Not Reported
Date of Request:	Not Reported

SIGNET ARMORLITE, INC., 1001 ARMORLITE DRIVE, SAN MARCOS, CA, 92069 (Continued)

Date Response Received:	Not Reported
Request Agency:	Not Reported
Former Citation:	Not Reported

SIGNET ARMORLITE, INC., 1001 ARMORLITE DRIVE, SAN MARCOS, CA, 92069 (Continued)

RCRA Listings: Lists of Federal RCRA generators

Date Form Received by Agency:	20120229
Handler Name:	SIGNET ARMORLITE, INC.
Handler Address:	1001 ARMORLITE DRIVE
Handler City,State,Zip:	SAN MARCOS, CA 92069
EPA ID:	CAD008362634
Contact Name:	JOHN T HINGEY
Contact Address:	ARMORLITE DRIVE
Contact City,State,Zip:	SAN MARCOS, CA 92069
Contact Telephone:	760-744-4000
Contact Fax:	760-471-6255
Contact Email:	JHINGEY@SIGNETARMOLITE.COM
Contact Title:	V.P. OF MANUFACTURING
EPA Region:	09
Land Type:	Private
Federal Waste Generator Description:	Large Quantity Generator
Non-Notifier:	Not Reported
Biennial Report Cycle:	2011
Accessibility:	Not Reported
Active Site Indicator:	Handler Activities, Corrective Action Activities
State District Owner:	Not Reported
State District:	Not Reported
Mailing Address:	ARMORLITE DRIVE
Mailing City,State,Zip:	SAN MARCOS, CA 92069
Owner Name:	EDA HOLDINGS CO, INC.
Owner Type:	Private
Operator Name:	EDA HOLDINGS CO, INC.
Operator Type:	Private
Short-Term Generator Activity:	No
Importer Activity:	No

SIGNET ARMORLITE, INC., 1001 ARMORLITE DRIVE, SAN MARCOS, CA, 92069 (Continued)

Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not Reported
Active Site Converter Treatment storage and Disposal Facility:	Not Reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not Reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not Reported
Hazardous Secondary Material Indicator:	NN
Sub-Part K Indicator:	Not Reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Storage, Treatment
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not Reported
Permit Workload Universe:	Not Reported
Permit Progress Universe:	Storage, Treatment
Post-Closure Workload Universe:	Not Reported
Closure Workload Universe:	Not Reported
202 GPRA Corrective Action Baseline:	Yes
Corrective Action Workload Universe:	Yes
Subject to Corrective Action Universe:	Yes
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	Yes
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls	Yes

SIGNET ARMORLITE, INC., 1001 ARMORLITE DRIVE, SAN MARCOS, CA, 92069 (Continued)

Indicator:	
Groundwater Controls Indicator:	Yes
Operating TSDF Universe:	Not Reported
Full Enforcement Universe:	Not Reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not Reported
Handler Date of Last Change:	20121106
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	Not Reported
Manifest Broker:	Not Reported
Sub-Part P Indicator:	No

Biennial: List of Years

Year:	2011
Click Here for Biennial Reporting System Data:	https://enviro.epa.gov/enviro/brs_report_v2.get_data?hand_id=CAD008362634&rep_year=2011
Year:	2009
Click Here for Biennial Reporting System Data:	https://enviro.epa.gov/enviro/brs_report_v2.get_data?hand_id=CAD008362634&rep_year=2009
Year:	2007
Click Here for Biennial Reporting System Data:	https://enviro.epa.gov/enviro/brs_report_v2.get_data?hand_id=CAD008362634&rep_year=2007
Year:	2003
Click Here for Biennial Reporting System Data:	https://enviro.epa.gov/enviro/brs_report_v2.get_data?hand_id=CAD008362634&rep_year=2003
Year:	2001
Click Here for Biennial Reporting System Data:	https://enviro.epa.gov/enviro/brs_report_v2.get_data?hand_id=CAD008362634&rep_year=2001

Hazardous Waste Summary:

Waste Code:	D001
Waste Description:	IGNITABLE WASTE

Waste Code:	D002
Waste Description:	CORROSIVE WASTE

SIGNET ARMORLITE, INC., 1001 ARMORLITE DRIVE, SAN MARCOS, CA, 92069 (Continued)

Waste Code:	D003
Waste Description:	REACTIVE WASTE
Waste Code:	D007
Waste Description:	CHROMIUM
Waste Code:	D009
Waste Description:	MERCURY
Waste Code:	D011
Waste Description:	SILVER
Waste Code:	D018
Waste Description:	BENZENE
Waste Code:	D035
Waste Description:	METHYL ETHYL KETONE
Waste Code:	D039
Waste Description:	TETRACHLOROETHYLENE
Waste Code:	D040
Waste Description:	TRICHLORETHYLENE
Waste Code:	F001
Waste Description:	THE FOLLOWING SPENT HALOGENATED SOLVENTS USED IN DEGREASING: TETRACHLOROETHYLENE, TRICHLORETHYLENE, METHYLENE CHLORIDE, 1,1,1-TRICHLOROETHANE, CARBON TETRACHLORIDE AND CHLORINATED FLUOROCARBONS; ALL SPENT SOLVENT MIXTURES/BLENDS USED IN DEGREASING CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.
Waste Code:	F002
Waste Description:	THE FOLLOWING SPENT HALOGENATED SOLVENTS: TETRACHLOROETHYLENE, METHYLENE CHLORIDE, TRICHLOROETHYLENE, 1,1,1-TRICHLOROETHANE, CHLOROBENZENE, 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE, ORTHO-DICHLOROBENZENE, TRICHLOROFLUOROMETHANE, AND 1,1,2, TRICHLOROETHANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.
Waste Code:	F003

SIGNET ARMORLITE, INC., 1001 ARMORLITE DRIVE, SAN MARCOS, CA, 92069 (Continued)

Waste Description:	THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.
Waste Code:	P005
Waste Description:	2-PROPEN-1-OL (OR) ALLYL ALCOHOL
Waste Code:	U002
Waste Description:	2-PROPANONE (I) (OR) ACETONE (I)
Waste Code:	U007
Waste Description:	2-PROPENAMIDE (OR) ACRYLAMIDE
Waste Code:	U080
Waste Description:	METHANE, DICHLORO- (OR) METHYLENE CHLORIDE
Waste Code:	U112
Waste Description:	ACETIC ACID, ETHYL ESTER (I) (OR) ETHYL ACETATE (I)
Waste Code:	U151
Waste Description:	MERCURY
Waste Code:	U154
Waste Description:	METHANOL (I) (OR) METHYL ALCOHOL (I)
Waste Code:	U220
Waste Description:	BENZENE, METHYL- (OR) TOLUENE
Waste Code:	U236
Waste Description:	2,7-NAPHTHALENEDISULFONIC ACID,3,3'-[(3,3'-DIMETHYL[1,1'-BIPHENYL]-4,4'-DIYL)BIS(AZO)BIS[5-AMINO-4-HYDROXY]-, TETRASODIUM SALT (OR) TRYPAN BLUE

Handler - Owner Operator:

Owner/Operator Indicator:	Operator
Owner/Operator Name:	EDA HOLDINGS CO, INC.
Legal Status:	Private
Date Became Current:	20100401

SIGNET ARMORLITE, INC., 1001 ARMORLITE DRIVE, SAN MARCOS, CA, 92069 (Continued)

Date Ended Current:	Not Reported
Owner/Operator Address:	135555 N STEMMONS FREEWAY
Owner/Operator City,State,Zip:	DALLAS, TX 75234
Owner/Operator Telephone:	760-744-4000
Owner/Operator Telephone Ext:	Not Reported
Owner/Operator Fax:	Not Reported
Owner/Operator Email:	Not Reported

Owner/Operator Indicator:	Operator
Owner/Operator Name:	INDUSTRIE OTTICHE EUROPEE
Legal Status:	Private
Date Became Current:	19970301
Date Ended Current:	Not Reported
Owner/Operator Address:	Not Reported
Owner/Operator City,State,Zip:	Not Reported
Owner/Operator Telephone:	Not Reported
Owner/Operator Telephone Ext:	Not Reported
Owner/Operator Fax:	Not Reported
Owner/Operator Email:	Not Reported

Owner/Operator Indicator:	Owner
Owner/Operator Name:	INDUSTRIE OTTICHE EUROPEE
Legal Status:	Private
Date Became Current:	19970301
Date Ended Current:	Not Reported
Owner/Operator Address:	1001 ARMORLITE DRIVE
Owner/Operator City,State,Zip:	SAN MARCOS, CA 92069
Owner/Operator Telephone:	Not Reported
Owner/Operator Telephone Ext:	Not Reported
Owner/Operator Fax:	Not Reported
Owner/Operator Email:	Not Reported

Owner/Operator Indicator:	Operator
Owner/Operator Name:	INDUSTRIE OTTICHE EUROPEE
Legal Status:	Private
Date Became Current:	19970301
Date Ended Current:	Not Reported
Owner/Operator Address:	Not Reported
Owner/Operator City,State,Zip:	Not Reported
Owner/Operator Telephone:	Not Reported
Owner/Operator Telephone Ext:	Not Reported
Owner/Operator Fax:	Not Reported
Owner/Operator Email:	Not Reported

Owner/Operator Indicator:	Owner
Owner/Operator Name:	INDUSTRIE OTTICHE EUROPEE

SIGNET ARMORLITE, INC., 1001 ARMORLITE DRIVE, SAN MARCOS, CA, 92069 (Continued)

Legal Status:	Private
Date Became Current:	Not Reported
Date Ended Current:	Not Reported
Owner/Operator Address:	VIA XX SETTEMBRE 12
Owner/Operator City,State,Zip:	MILANO ITALY, CA 99999
Owner/Operator Telephone:	Not Reported
Owner/Operator Telephone Ext:	Not Reported
Owner/Operator Fax:	Not Reported
Owner/Operator Email:	Not Reported

Owner/Operator Indicator:	Owner
Owner/Operator Name:	INDUSTRIE OTTICHE EUROPEE
Legal Status:	Private
Date Became Current:	19970301
Date Ended Current:	Not Reported
Owner/Operator Address:	1001 ARMORLITE DRIVE
Owner/Operator City,State,Zip:	SAN MARCOS, CA 92069
Owner/Operator Telephone:	Not Reported
Owner/Operator Telephone Ext:	Not Reported
Owner/Operator Fax:	Not Reported
Owner/Operator Email:	Not Reported

Owner/Operator Indicator:	Owner
Owner/Operator Name:	ARMORLITE S.P.A
Legal Status:	Private
Date Became Current:	19970301
Date Ended Current:	Not Reported
Owner/Operator Address:	1001 ARMORLITE DRIVE
Owner/Operator City,State,Zip:	SAN MARCOS, CA 92069
Owner/Operator Telephone:	760-744-4000
Owner/Operator Telephone Ext:	Not Reported
Owner/Operator Fax:	Not Reported
Owner/Operator Email:	Not Reported

Owner/Operator Indicator:	Owner
Owner/Operator Name:	INDUSTRIE OTTICHE EUROPEE
Legal Status:	Private
Date Became Current:	19970301
Date Ended Current:	Not Reported
Owner/Operator Address:	1001 ARMORLITE DRIVE
Owner/Operator City,State,Zip:	SAN MARCOS, CA 92069
Owner/Operator Telephone:	Not Reported
Owner/Operator Telephone Ext:	Not Reported
Owner/Operator Fax:	Not Reported
Owner/Operator Email:	Not Reported

SIGNET ARMORLITE, INC., 1001 ARMORLITE DRIVE, SAN MARCOS, CA, 92069 (Continued)

Owner/Operator Indicator:	Operator
Owner/Operator Name:	INDUSTRIE OTTICHE EUROPEE
Legal Status:	Private
Date Became Current:	19970301
Date Ended Current:	Not Reported
Owner/Operator Address:	Not Reported
Owner/Operator City,State,Zip:	Not Reported
Owner/Operator Telephone:	Not Reported
Owner/Operator Telephone Ext:	Not Reported
Owner/Operator Fax:	Not Reported
Owner/Operator Email:	Not Reported

Owner/Operator Indicator:	Operator
Owner/Operator Name:	ARMORLITE S.P.A.
Legal Status:	Private
Date Became Current:	19970301
Date Ended Current:	Not Reported
Owner/Operator Address:	1001 ARMORLITE DRIVE
Owner/Operator City,State,Zip:	SAN MARCOS, CA 92069
Owner/Operator Telephone:	Not Reported
Owner/Operator Telephone Ext:	Not Reported
Owner/Operator Fax:	Not Reported
Owner/Operator Email:	Not Reported

Owner/Operator Indicator:	Owner
Owner/Operator Name:	EDA HOLDINGS CO, INC.
Legal Status:	Private
Date Became Current:	20100401
Date Ended Current:	Not Reported
Owner/Operator Address:	135555 N STEMMONS FREEWAY
Owner/Operator City,State,Zip:	DALLAS, TX 75234
Owner/Operator Telephone:	760-744-4000
Owner/Operator Telephone Ext:	Not Reported
Owner/Operator Fax:	Not Reported
Owner/Operator Email:	Not Reported

Owner/Operator Indicator:	Operator
Owner/Operator Name:	SIGNET ARMORLITE INC
Legal Status:	Private
Date Became Current:	Not Reported
Date Ended Current:	Not Reported
Owner/Operator Address:	1001 ARMORLITE DR
Owner/Operator City,State,Zip:	SAN MARCOS, CA 92069
Owner/Operator Telephone:	619-744-4000
Owner/Operator Telephone Ext:	Not Reported
Owner/Operator Fax:	Not Reported

SIGNET ARMORLITE, INC., 1001 ARMORLITE DRIVE, SAN MARCOS, CA, 92069 (Continued)

Owner/Operator Email:	Not Reported

Historic Generators:

Receive Date:	20100201
Handler Name:	SIGNET ARMORLITE, INC.
Federal Waste Generator Description:	Large Quantity Generator
State District Owner:	Not Reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	No
Non Storage Recycler Activity:	Not Reported
Electronic Manifest Broker:	Not Reported

Receive Date:	20120229
Handler Name:	SIGNET ARMORLITE, INC.
Federal Waste Generator Description:	Large Quantity Generator
State District Owner:	Not Reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	Not Reported
Electronic Manifest Broker:	Not Reported

Receive Date:	19960901
Handler Name:	SIGNET ARMORLITE INC
Federal Waste Generator Description:	Large Quantity Generator
State District Owner:	CA
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	No
Non Storage Recycler Activity:	Not Reported
Electronic Manifest Broker:	Not Reported

SIGNET ARMORLITE, INC., 1001 ARMORLITE DRIVE, SAN MARCOS, CA, 92069 (Continued)

Receive Date:	20040310
Handler Name:	SIGNET ARMORLITE, INC.
Federal Waste Generator Description:	Small Quantity Generator
State District Owner:	Not Reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	No
Non Storage Recycler Activity:	Not Reported
Electronic Manifest Broker:	Not Reported

Receive Date:	19930513
Handler Name:	SIGNET ARMORLITE INC
Federal Waste Generator Description:	Large Quantity Generator
State District Owner:	CA
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	No
Non Storage Recycler Activity:	Not Reported
Electronic Manifest Broker:	Not Reported

Receive Date:	19900413
Handler Name:	SIGNET ARMORLITE INC
Federal Waste Generator Description:	Large Quantity Generator
State District Owner:	Not Reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	No
Non Storage Recycler Activity:	Not Reported
Electronic Manifest Broker:	Not Reported

Receive Date:	19920224
Handler Name:	SIGNET ARMORLITE, INC.

SIGNET ARMORLITE, INC., 1001 ARMORLITE DRIVE, SAN MARCOS, CA, 92069 (Continued)

Federal Waste Generator Description:	Large Quantity Generator
State District Owner:	Not Reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	No
Non Storage Recycler Activity:	Not Reported
Electronic Manifest Broker:	Not Reported

Receive Date:	19940309
Handler Name:	SIGNET ARMORLITE INC
Federal Waste Generator Description:	Large Quantity Generator
State District Owner:	Not Reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	No
Non Storage Recycler Activity:	Not Reported
Electronic Manifest Broker:	Not Reported

Receive Date:	19960226
Handler Name:	SIGNET ARMORLITE, INC.
Federal Waste Generator Description:	Large Quantity Generator
State District Owner:	Not Reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	No
Non Storage Recycler Activity:	Not Reported
Electronic Manifest Broker:	Not Reported

Receive Date:	19990304
Handler Name:	SIGNET ARMORLITE, INC.
Federal Waste Generator Description:	Large Quantity Generator
State District Owner:	Not Reported
Large Quantity Handler of	No

SIGNET ARMORLITE, INC., 1001 ARMORLITE DRIVE, SAN MARCOS, CA, 92069 (Continued)

Universal Waste:	
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	No
Non Storage Recycler Activity:	Not Reported
Electronic Manifest Broker:	Not Reported

Receive Date:	20001012
Handler Name:	SIGNET ARMORLITE
Federal Waste Generator Description:	Large Quantity Generator
State District Owner:	Not Reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	No
Non Storage Recycler Activity:	Not Reported
Electronic Manifest Broker:	Not Reported

Receive Date:	20020227
Handler Name:	SIGNET ARMORLITE INC.
Federal Waste Generator Description:	Large Quantity Generator
State District Owner:	Not Reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	No
Non Storage Recycler Activity:	Not Reported
Electronic Manifest Broker:	Not Reported

Receive Date:	20040310
Handler Name:	SIGNET ARMORLITE, INC.
Federal Waste Generator Description:	Large Quantity Generator
State District Owner:	Not Reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No

SIGNET ARMORLITE, INC., 1001 ARMORLITE DRIVE, SAN MARCOS, CA, 92069 (Continued)

Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	No
Non Storage Recycler Activity:	Not Reported
Electronic Manifest Broker:	Not Reported

Receive Date:	20080616
Handler Name:	SIGNET ARMORLITE, INC.
Federal Waste Generator Description:	Large Quantity Generator
State District Owner:	Not Reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	No
Non Storage Recycler Activity:	Not Reported
Electronic Manifest Broker:	Not Reported

List of NAICS Codes and Descriptions:

NAICS Code:	326199
NAICS Description:	ALL OTHER PLASTICS PRODUCT MANUFACTURING

NAICS Code:	339115
NAICS Description:	OPHTHALMIC GOODS MANUFACTURING

Facility Has Received Notices of Violation:

Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	Generators - General
Date Violation was Determined:	19920420
Actual Return to Compliance Date:	19920910
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not Reported
Enforcement Identifier:	Not Reported
Date of Enforcement Action:	Not Reported
Enforcement Responsible Agency:	Not Reported
Enforcement Docket Number:	Not Reported
Enforcement Attorney:	Not Reported
Corrective Action Component:	Not Reported

SIGNET ARMORLITE, INC., 1001 ARMORLITE DRIVE, SAN MARCOS, CA, 92069 (Continued)

Appeal Initiated Date:	Not Reported
Appeal Resolution Date:	Not Reported
Disposition Status Date:	Not Reported
Disposition Status:	Not Reported
Disposition Status Description:	Not Reported
Consent/Final Order Sequence Number:	Not Reported
Consent/Final Order Respondent Name:	Not Reported
Consent/Final Order Lead Agency:	Not Reported
Enforcement Type:	Not Reported
Enforcement Responsible Person:	Not Reported
Enforcement Responsible Sub-Organization:	Not Reported
SEP Sequence Number:	Not Reported
SEP Expenditure Amount:	Not Reported
SEP Scheduled Completion Date:	Not Reported
SEP Actual Date:	Not Reported
SEP Defaulted Date:	Not Reported
SEP Type:	Not Reported
SEP Type Description:	Not Reported
Proposed Amount:	Not Reported
Final Monetary Amount:	Not Reported
Paid Amount:	Not Reported
Final Count:	Not Reported
Final Amount:	Not Reported

Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	Generators - General
Date Violation was Determined:	20030908
Actual Return to Compliance Date:	20051027
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not Reported
Enforcement Identifier:	Not Reported
Date of Enforcement Action:	Not Reported
Enforcement Responsible Agency:	Not Reported
Enforcement Docket Number:	Not Reported
Enforcement Attorney:	Not Reported
Corrective Action Component:	Not Reported
Appeal Initiated Date:	Not Reported
Appeal Resolution Date:	Not Reported
Disposition Status Date:	Not Reported
Disposition Status:	Not Reported
Disposition Status Description:	Not Reported
Consent/Final Order Sequence Number:	Not Reported

SIGNET ARMORLITE, INC., 1001 ARMORLITE DRIVE, SAN MARCOS, CA, 92069 (Continued)

Consent/Final Order Respondent Name:	Not Reported
Consent/Final Order Lead Agency:	Not Reported
Enforcement Type:	Not Reported
Enforcement Responsible Person:	Not Reported
Enforcement Responsible Sub-Organization:	Not Reported
SEP Sequence Number:	Not Reported
SEP Expenditure Amount:	Not Reported
SEP Scheduled Completion Date:	Not Reported
SEP Actual Date:	Not Reported
SEP Defaulted Date:	Not Reported
SEP Type:	Not Reported
SEP Type Description:	Not Reported
Proposed Amount:	Not Reported
Final Monetary Amount:	Not Reported
Paid Amount:	Not Reported
Final Count:	Not Reported
Final Amount:	Not Reported

Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	TSD - General
Date Violation was Determined:	19920420
Actual Return to Compliance Date:	19920910
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not Reported
Enforcement Identifier:	Not Reported
Date of Enforcement Action:	Not Reported
Enforcement Responsible Agency:	Not Reported
Enforcement Docket Number:	Not Reported
Enforcement Attorney:	Not Reported
Corrective Action Component:	Not Reported
Appeal Initiated Date:	Not Reported
Appeal Resolution Date:	Not Reported
Disposition Status Date:	Not Reported
Disposition Status:	Not Reported
Disposition Status Description:	Not Reported
Consent/Final Order Sequence Number:	Not Reported
Consent/Final Order Respondent Name:	Not Reported
Consent/Final Order Lead Agency:	Not Reported
Enforcement Type:	Not Reported
Enforcement Responsible Person:	Not Reported
Enforcement Responsible Sub-Organization:	Not Reported

SIGNET ARMORLITE, INC., 1001 ARMORLITE DRIVE, SAN MARCOS, CA, 92069 (Continued)

SEP Sequence Number:	Not Reported
SEP Expenditure Amount:	Not Reported
SEP Scheduled Completion Date:	Not Reported
SEP Actual Date:	Not Reported
SEP Defaulted Date:	Not Reported
SEP Type:	Not Reported
SEP Type Description:	Not Reported
Proposed Amount:	Not Reported
Final Monetary Amount:	Not Reported
Paid Amount:	Not Reported
Final Count:	Not Reported
Final Amount:	Not Reported

Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	TSD - General
Date Violation was Determined:	19871021
Actual Return to Compliance Date:	19920313
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	19880124
Enforcement Identifier:	001
Date of Enforcement Action:	19871222
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not Reported
Enforcement Attorney:	Not Reported
Corrective Action Component:	No
Appeal Initiated Date:	Not Reported
Appeal Resolution Date:	Not Reported
Disposition Status Date:	Not Reported
Disposition Status:	Not Reported
Disposition Status Description:	Not Reported
Consent/Final Order Sequence Number:	Not Reported
Consent/Final Order Respondent Name:	Not Reported
Consent/Final Order Lead Agency:	Not Reported
Enforcement Type:	WRITTEN INFORMAL
Enforcement Responsible Person:	R9STA
Enforcement Responsible Sub-Organization:	Not Reported
SEP Sequence Number:	Not Reported
SEP Expenditure Amount:	Not Reported
SEP Scheduled Completion Date:	Not Reported
SEP Actual Date:	Not Reported
SEP Defaulted Date:	Not Reported
SEP Type:	Not Reported

SIGNET ARMORLITE, INC., 1001 ARMORLITE DRIVE, SAN MARCOS, CA, 92069 (Continued)

SEP Type Description:	Not Reported
Proposed Amount:	Not Reported
Final Monetary Amount:	Not Reported
Paid Amount:	Not Reported
Final Count:	Not Reported
Final Amount:	Not Reported

Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	TSD - Closure/Post-Closure
Date Violation was Determined:	19920420
Actual Return to Compliance Date:	19920910
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not Reported
Enforcement Identifier:	Not Reported
Date of Enforcement Action:	Not Reported
Enforcement Responsible Agency:	Not Reported
Enforcement Docket Number:	Not Reported
Enforcement Attorney:	Not Reported
Corrective Action Component:	Not Reported
Appeal Initiated Date:	Not Reported
Appeal Resolution Date:	Not Reported
Disposition Status Date:	Not Reported
Disposition Status:	Not Reported
Disposition Status Description:	Not Reported
Consent/Final Order Sequence Number:	Not Reported
Consent/Final Order Respondent Name:	Not Reported
Consent/Final Order Lead Agency:	Not Reported
Enforcement Type:	Not Reported
Enforcement Responsible Person:	Not Reported
Enforcement Responsible Sub-Organization:	Not Reported
SEP Sequence Number:	Not Reported
SEP Expenditure Amount:	Not Reported
SEP Scheduled Completion Date:	Not Reported
SEP Actual Date:	Not Reported
SEP Defaulted Date:	Not Reported
SEP Type:	Not Reported
SEP Type Description:	Not Reported
Proposed Amount:	Not Reported
Final Monetary Amount:	Not Reported
Paid Amount:	Not Reported
Final Count:	Not Reported
Final Amount:	Not Reported

SIGNET ARMORLITE, INC., 1001 ARMORLITE DRIVE, SAN MARCOS, CA, 92069 (Continued)

Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	TSD - Closure/Post-Closure
Date Violation was Determined:	19871021
Actual Return to Compliance Date:	19920910
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	19880124
Enforcement Identifier:	001
Date of Enforcement Action:	19871222
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not Reported
Enforcement Attorney:	Not Reported
Corrective Action Component:	No
Appeal Initiated Date:	Not Reported
Appeal Resolution Date:	Not Reported
Disposition Status Date:	Not Reported
Disposition Status:	Not Reported
Disposition Status Description:	Not Reported
Consent/Final Order Sequence Number:	Not Reported
Consent/Final Order Respondent Name:	Not Reported
Consent/Final Order Lead Agency:	Not Reported
Enforcement Type:	WRITTEN INFORMAL
Enforcement Responsible Person:	R9STA
Enforcement Responsible Sub-Organization:	Not Reported
SEP Sequence Number:	Not Reported
SEP Expenditure Amount:	Not Reported
SEP Scheduled Completion Date:	Not Reported
SEP Actual Date:	Not Reported
SEP Defaulted Date:	Not Reported
SEP Type:	Not Reported
SEP Type Description:	Not Reported
Proposed Amount:	Not Reported
Final Monetary Amount:	Not Reported
Paid Amount:	Not Reported
Final Count:	Not Reported
Final Amount:	Not Reported

Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	TSD - General
Date Violation was Determined:	19920420

SIGNET ARMORLITE, INC., 1001 ARMORLITE DRIVE, SAN MARCOS, CA, 92069 (Continued)

Actual Return to Compliance Date:	19920910
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not Reported
Enforcement Identifier:	Not Reported
Date of Enforcement Action:	Not Reported
Enforcement Responsible Agency:	Not Reported
Enforcement Docket Number:	Not Reported
Enforcement Attorney:	Not Reported
Corrective Action Component:	Not Reported
Appeal Initiated Date:	Not Reported
Appeal Resolution Date:	Not Reported
Disposition Status Date:	Not Reported
Disposition Status:	Not Reported
Disposition Status Description:	Not Reported
Consent/Final Order Sequence Number:	Not Reported
Consent/Final Order Respondent Name:	Not Reported
Consent/Final Order Lead Agency:	Not Reported
Enforcement Type:	Not Reported
Enforcement Responsible Person:	Not Reported
Enforcement Responsible Sub-Organization:	Not Reported
SEP Sequence Number:	Not Reported
SEP Expenditure Amount:	Not Reported
SEP Scheduled Completion Date:	Not Reported
SEP Actual Date:	Not Reported
SEP Defaulted Date:	Not Reported
SEP Type:	Not Reported
SEP Type Description:	Not Reported
Proposed Amount:	Not Reported
Final Monetary Amount:	Not Reported
Paid Amount:	Not Reported
Final Count:	Not Reported
Final Amount:	Not Reported

Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	Generators - General
Date Violation was Determined:	19900117
Actual Return to Compliance Date:	19910307
Return to Compliance Qualifier:	Unverifiable
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not Reported
Enforcement Identifier:	Not Reported
Date of Enforcement Action:	Not Reported

SIGNET ARMORLITE, INC., 1001 ARMORLITE DRIVE, SAN MARCOS, CA, 92069 (Continued)

Enforcement Responsible Agency:	Not Reported
Enforcement Docket Number:	Not Reported
Enforcement Attorney:	Not Reported
Corrective Action Component:	Not Reported
Appeal Initiated Date:	Not Reported
Appeal Resolution Date:	Not Reported
Disposition Status Date:	Not Reported
Disposition Status:	Not Reported
Disposition Status Description:	Not Reported
Consent/Final Order Sequence Number:	Not Reported
Consent/Final Order Respondent Name:	Not Reported
Consent/Final Order Lead Agency:	Not Reported
Enforcement Type:	Not Reported
Enforcement Responsible Person:	Not Reported
Enforcement Responsible Sub-Organization:	Not Reported
SEP Sequence Number:	Not Reported
SEP Expenditure Amount:	Not Reported
SEP Scheduled Completion Date:	Not Reported
SEP Actual Date:	Not Reported
SEP Defaulted Date:	Not Reported
SEP Type:	Not Reported
SEP Type Description:	Not Reported
Proposed Amount:	Not Reported
Final Monetary Amount:	Not Reported
Paid Amount:	Not Reported
Final Count:	Not Reported
Final Amount:	Not Reported

Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	TSD - Financial Requirements
Date Violation was Determined:	19880126
Actual Return to Compliance Date:	19890426
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not Reported
Enforcement Identifier:	003
Date of Enforcement Action:	19890201
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not Reported
Enforcement Attorney:	Not Reported
Corrective Action Component:	No
Appeal Initiated Date:	Not Reported
Appeal Resolution Date:	Not Reported

SIGNET ARMORLITE, INC., 1001 ARMORLITE DRIVE, SAN MARCOS, CA, 92069 (Continued)

Disposition Status Date:	Not Reported
Disposition Status:	Not Reported
Disposition Status Description:	Not Reported
Consent/Final Order Sequence Number:	Not Reported
Consent/Final Order Respondent Name:	Not Reported
Consent/Final Order Lead Agency:	Not Reported
Enforcement Type:	INITIAL 3008(A) COMPLIANCE
Enforcement Responsible Person:	R9STA
Enforcement Responsible Sub-Organization:	Not Reported
SEP Sequence Number:	Not Reported
SEP Expenditure Amount:	Not Reported
SEP Scheduled Completion Date:	Not Reported
SEP Actual Date:	Not Reported
SEP Defaulted Date:	Not Reported
SEP Type:	Not Reported
SEP Type Description:	Not Reported
Proposed Amount:	30000
Final Monetary Amount:	30000
Paid Amount:	Not Reported
Final Count:	1
Final Amount:	30000

Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	Generators - General
Date Violation was Determined:	19910307
Actual Return to Compliance Date:	19920313
Return to Compliance Qualifier:	Unverifiable
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not Reported
Enforcement Identifier:	Not Reported
Date of Enforcement Action:	Not Reported
Enforcement Responsible Agency:	Not Reported
Enforcement Docket Number:	Not Reported
Enforcement Attorney:	Not Reported
Corrective Action Component:	Not Reported
Appeal Initiated Date:	Not Reported
Appeal Resolution Date:	Not Reported
Disposition Status Date:	Not Reported
Disposition Status:	Not Reported
Disposition Status Description:	Not Reported
Consent/Final Order Sequence Number:	Not Reported
Consent/Final Order Respondent Name:	Not Reported

SIGNET ARMORLITE, INC., 1001 ARMORLITE DRIVE, SAN MARCOS, CA, 92069 (Continued)

Consent/Final Order Lead Agency:	Not Reported
Enforcement Type:	Not Reported
Enforcement Responsible Person:	Not Reported
Enforcement Responsible Sub-Organization:	Not Reported
SEP Sequence Number:	Not Reported
SEP Expenditure Amount:	Not Reported
SEP Scheduled Completion Date:	Not Reported
SEP Actual Date:	Not Reported
SEP Defaulted Date:	Not Reported
SEP Type:	Not Reported
SEP Type Description:	Not Reported
Proposed Amount:	Not Reported
Final Monetary Amount:	Not Reported
Paid Amount:	Not Reported
Final Count:	Not Reported
Final Amount:	Not Reported

Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	LDR - General
Date Violation was Determined:	19880121
Actual Return to Compliance Date:	19880725
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not Reported
Enforcement Identifier:	001
Date of Enforcement Action:	19880705
Enforcement Responsible Agency:	EPA
Enforcement Docket Number:	Not Reported
Enforcement Attorney:	Not Reported
Corrective Action Component:	No
Appeal Initiated Date:	Not Reported
Appeal Resolution Date:	Not Reported
Disposition Status Date:	Not Reported
Disposition Status:	Not Reported
Disposition Status Description:	Not Reported
Consent/Final Order Sequence Number:	Not Reported
Consent/Final Order Respondent Name:	Not Reported
Consent/Final Order Lead Agency:	Not Reported
Enforcement Type:	WRITTEN INFORMAL
Enforcement Responsible Person:	R9EPA
Enforcement Responsible Sub-Organization:	Not Reported
SEP Sequence Number:	Not Reported
SEP Expenditure Amount:	Not Reported

SIGNET ARMORLITE, INC., 1001 ARMORLITE DRIVE, SAN MARCOS, CA, 92069 (Continued)

SEP Scheduled Completion Date:	Not Reported
SEP Actual Date:	Not Reported
SEP Defaulted Date:	Not Reported
SEP Type:	Not Reported
SEP Type Description:	Not Reported
Proposed Amount:	Not Reported
Final Monetary Amount:	Not Reported
Paid Amount:	Not Reported
Final Count:	Not Reported
Final Amount:	Not Reported

Found Violation:	No
Agency Which Determined Violation:	Not Reported
Violation Short Description:	Not Reported
Date Violation was Determined:	Not Reported
Actual Return to Compliance Date:	Not Reported
Return to Compliance Qualifier:	Not Reported
Violation Responsible Agency:	Not Reported
Scheduled Compliance Date:	Not Reported
Enforcement Identifier:	Not Reported
Date of Enforcement Action:	Not Reported
Enforcement Responsible Agency:	Not Reported
Enforcement Docket Number:	Not Reported
Enforcement Attorney:	Not Reported
Corrective Action Component:	Not Reported
Appeal Initiated Date:	Not Reported
Appeal Resolution Date:	Not Reported
Disposition Status Date:	Not Reported
Disposition Status:	Not Reported
Disposition Status Description:	Not Reported
Consent/Final Order Sequence Number:	Not Reported
Consent/Final Order Respondent Name:	Not Reported
Consent/Final Order Lead Agency:	Not Reported
Enforcement Type:	Not Reported
Enforcement Responsible Person:	Not Reported
Enforcement Responsible Sub-Organization:	Not Reported
SEP Sequence Number:	Not Reported
SEP Expenditure Amount:	Not Reported
SEP Scheduled Completion Date:	Not Reported
SEP Actual Date:	Not Reported
SEP Defaulted Date:	Not Reported
SEP Type:	Not Reported
SEP Type Description:	Not Reported
Proposed Amount:	Not Reported

SIGNET ARMORLITE, INC., 1001 ARMORLITE DRIVE, SAN MARCOS, CA, 92069 (Continued)

Final Monetary Amount:	Not Reported
Paid Amount:	Not Reported
Final Count:	Not Reported
Final Amount:	Not Reported

Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	TSD - Financial Requirements
Date Violation was Determined:	19880126
Actual Return to Compliance Date:	19890426
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not Reported
Enforcement Identifier:	002
Date of Enforcement Action:	19880224
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not Reported
Enforcement Attorney:	Not Reported
Corrective Action Component:	No
Appeal Initiated Date:	Not Reported
Appeal Resolution Date:	Not Reported
Disposition Status Date:	Not Reported
Disposition Status:	Not Reported
Disposition Status Description:	Not Reported
Consent/Final Order Sequence Number:	Not Reported
Consent/Final Order Respondent Name:	Not Reported
Consent/Final Order Lead Agency:	Not Reported
Enforcement Type:	WRITTEN INFORMAL
Enforcement Responsible Person:	R9STA
Enforcement Responsible Sub-Organization:	Not Reported
SEP Sequence Number:	Not Reported
SEP Expenditure Amount:	Not Reported
SEP Scheduled Completion Date:	Not Reported
SEP Actual Date:	Not Reported
SEP Defaulted Date:	Not Reported
SEP Type:	Not Reported
SEP Type Description:	Not Reported
Proposed Amount:	Not Reported
Final Monetary Amount:	Not Reported
Paid Amount:	Not Reported
Final Count:	Not Reported
Final Amount:	Not Reported

Found Violation:	Yes

SIGNET ARMORLITE, INC., 1001 ARMORLITE DRIVE, SAN MARCOS, CA, 92069 (Continued)

Agency Which Determined Violation:	State
Violation Short Description:	Generators - General
Date Violation was Determined:	19930722
Actual Return to Compliance Date:	19980722
Return to Compliance Qualifier:	Not Resolved
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not Reported
Enforcement Identifier:	Not Reported
Date of Enforcement Action:	Not Reported
Enforcement Responsible Agency:	Not Reported
Enforcement Docket Number:	Not Reported
Enforcement Attorney:	Not Reported
Corrective Action Component:	Not Reported
Appeal Initiated Date:	Not Reported
Appeal Resolution Date:	Not Reported
Disposition Status Date:	Not Reported
Disposition Status:	Not Reported
Disposition Status Description:	Not Reported
Consent/Final Order Sequence Number:	Not Reported
Consent/Final Order Respondent Name:	Not Reported
Consent/Final Order Lead Agency:	Not Reported
Enforcement Type:	Not Reported
Enforcement Responsible Person:	Not Reported
Enforcement Responsible Sub-Organization:	Not Reported
SEP Sequence Number:	Not Reported
SEP Expenditure Amount:	Not Reported
SEP Scheduled Completion Date:	Not Reported
SEP Actual Date:	Not Reported
SEP Defaulted Date:	Not Reported
SEP Type:	Not Reported
SEP Type Description:	Not Reported
Proposed Amount:	Not Reported
Final Monetary Amount:	Not Reported
Paid Amount:	Not Reported
Final Count:	Not Reported
Final Amount:	Not Reported

Found Violation:	No
Agency Which Determined Violation:	Not Reported
Violation Short Description:	Not Reported
Date Violation was Determined:	Not Reported
Actual Return to Compliance Date:	Not Reported
Return to Compliance Qualifier:	Not Reported
Violation Responsible Agency:	Not Reported

SIGNET ARMORLITE, INC., 1001 ARMORLITE DRIVE, SAN MARCOS, CA, 92069 (Continued)

Scheduled Compliance Date:	Not Reported
Enforcement Identifier:	Not Reported
Date of Enforcement Action:	Not Reported
Enforcement Responsible Agency:	Not Reported
Enforcement Docket Number:	Not Reported
Enforcement Attorney:	Not Reported
Corrective Action Component:	Not Reported
Appeal Initiated Date:	Not Reported
Appeal Resolution Date:	Not Reported
Disposition Status Date:	Not Reported
Disposition Status:	Not Reported
Disposition Status Description:	Not Reported
Consent/Final Order Sequence Number:	Not Reported
Consent/Final Order Respondent Name:	Not Reported
Consent/Final Order Lead Agency:	Not Reported
Enforcement Type:	Not Reported
Enforcement Responsible Person:	Not Reported
Enforcement Responsible Sub-Organization:	Not Reported
SEP Sequence Number:	Not Reported
SEP Expenditure Amount:	Not Reported
SEP Scheduled Completion Date:	Not Reported
SEP Actual Date:	Not Reported
SEP Defaulted Date:	Not Reported
SEP Type:	Not Reported
SEP Type Description:	Not Reported
Proposed Amount:	Not Reported
Final Monetary Amount:	Not Reported
Paid Amount:	Not Reported
Final Count:	Not Reported
Final Amount:	Not Reported

Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	TSD - General
Date Violation was Determined:	19920420
Actual Return to Compliance Date:	19920910
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not Reported
Enforcement Identifier:	Not Reported
Date of Enforcement Action:	Not Reported
Enforcement Responsible Agency:	Not Reported
Enforcement Docket Number:	Not Reported
Enforcement Attorney:	Not Reported

SIGNET ARMORLITE, INC., 1001 ARMORLITE DRIVE, SAN MARCOS, CA, 92069 (Continued)

Corrective Action Component:	Not Reported
Appeal Initiated Date:	Not Reported
Appeal Resolution Date:	Not Reported
Disposition Status Date:	Not Reported
Disposition Status:	Not Reported
Disposition Status Description:	Not Reported
Consent/Final Order Sequence Number:	Not Reported
Consent/Final Order Respondent Name:	Not Reported
Consent/Final Order Lead Agency:	Not Reported
Enforcement Type:	Not Reported
Enforcement Responsible Person:	Not Reported
Enforcement Responsible Sub-Organization:	Not Reported
SEP Sequence Number:	Not Reported
SEP Expenditure Amount:	Not Reported
SEP Scheduled Completion Date:	Not Reported
SEP Actual Date:	Not Reported
SEP Defaulted Date:	Not Reported
SEP Type:	Not Reported
SEP Type Description:	Not Reported
Proposed Amount:	Not Reported
Final Monetary Amount:	Not Reported
Paid Amount:	Not Reported
Final Count:	Not Reported
Final Amount:	Not Reported

Found Violation:	No
Agency Which Determined Violation:	Not Reported
Violation Short Description:	Not Reported
Date Violation was Determined:	Not Reported
Actual Return to Compliance Date:	Not Reported
Return to Compliance Qualifier:	Not Reported
Violation Responsible Agency:	Not Reported
Scheduled Compliance Date:	Not Reported
Enforcement Identifier:	Not Reported
Date of Enforcement Action:	Not Reported
Enforcement Responsible Agency:	Not Reported
Enforcement Docket Number:	Not Reported
Enforcement Attorney:	Not Reported
Corrective Action Component:	Not Reported
Appeal Initiated Date:	Not Reported
Appeal Resolution Date:	Not Reported
Disposition Status Date:	Not Reported
Disposition Status:	Not Reported
Disposition Status Description:	Not Reported

SIGNET ARMORLITE, INC., 1001 ARMORLITE DRIVE, SAN MARCOS, CA, 92069 (Continued)

Consent/Final Order Sequence Number:	Not Reported
Consent/Final Order Respondent Name:	Not Reported
Consent/Final Order Lead Agency:	Not Reported
Enforcement Type:	Not Reported
Enforcement Responsible Person:	Not Reported
Enforcement Responsible Sub-Organization:	Not Reported
SEP Sequence Number:	Not Reported
SEP Expenditure Amount:	Not Reported
SEP Scheduled Completion Date:	Not Reported
SEP Actual Date:	Not Reported
SEP Defaulted Date:	Not Reported
SEP Type:	Not Reported
SEP Type Description:	Not Reported
Proposed Amount:	Not Reported
Final Monetary Amount:	Not Reported
Paid Amount:	Not Reported
Final Count:	Not Reported
Final Amount:	Not Reported

Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	LDR - General
Date Violation was Determined:	19880121
Actual Return to Compliance Date:	19880725
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not Reported
Enforcement Identifier:	001
Date of Enforcement Action:	19880705
Enforcement Responsible Agency:	EPA
Enforcement Docket Number:	Not Reported
Enforcement Attorney:	Not Reported
Corrective Action Component:	No
Appeal Initiated Date:	Not Reported
Appeal Resolution Date:	Not Reported
Disposition Status Date:	Not Reported
Disposition Status:	Not Reported
Disposition Status Description:	Not Reported
Consent/Final Order Sequence Number:	Not Reported
Consent/Final Order Respondent Name:	Not Reported
Consent/Final Order Lead Agency:	Not Reported
Enforcement Type:	WRITTEN INFORMAL
Enforcement Responsible Person:	R9EPA

SIGNET ARMORLITE, INC., 1001 ARMORLITE DRIVE, SAN MARCOS, CA, 92069 (Continued)

Enforcement Responsible Sub-Organization:	Not Reported
SEP Sequence Number:	Not Reported
SEP Expenditure Amount:	Not Reported
SEP Scheduled Completion Date:	Not Reported
SEP Actual Date:	Not Reported
SEP Defaulted Date:	Not Reported
SEP Type:	Not Reported
SEP Type Description:	Not Reported
Proposed Amount:	Not Reported
Final Monetary Amount:	Not Reported
Paid Amount:	Not Reported
Final Count:	Not Reported
Final Amount:	Not Reported

Evaluation Action Summary:

Evaluation Date:	19920313
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not Reported
Actual Return to Compliance Date:	19920910
Scheduled Compliance Date:	Not Reported
Date of Request:	Not Reported
Date Response Received:	Not Reported
Request Agency:	Not Reported
Former Citation:	Not Reported

Evaluation Date:	20030908
Evaluation Responsible Agency:	State Contractor/Grantee
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not Reported
Evaluation Responsible Sub-Organization:	Not Reported
Actual Return to Compliance Date:	20051027
Scheduled Compliance Date:	Not Reported
Date of Request:	Not Reported
Date Response Received:	Not Reported
Request Agency:	Not Reported
Former Citation:	Not Reported

Evaluation Date:	19920313

SIGNET ARMORLITE, INC., 1001 ARMORLITE DRIVE, SAN MARCOS, CA, 92069 (Continued)

Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not Reported
Actual Return to Compliance Date:	19920910
Scheduled Compliance Date:	Not Reported
Date of Request:	Not Reported
Date Response Received:	Not Reported
Request Agency:	Not Reported
Former Citation:	Not Reported

Evaluation Date:	19871021
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not Reported
Actual Return to Compliance Date:	19920313
Scheduled Compliance Date:	19880124
Date of Request:	Not Reported
Date Response Received:	Not Reported
Request Agency:	Not Reported
Former Citation:	Not Reported

Evaluation Date:	19920313
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not Reported
Actual Return to Compliance Date:	19920910
Scheduled Compliance Date:	Not Reported
Date of Request:	Not Reported
Date Response Received:	Not Reported
Request Agency:	Not Reported
Former Citation:	Not Reported

Evaluation Date:	19871021
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE

SIGNET ARMORLITE, INC., 1001 ARMORLITE DRIVE, SAN MARCOS, CA, 92069 (Continued)

Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not Reported
Actual Return to Compliance Date:	19920910
Scheduled Compliance Date:	19880124
Date of Request:	Not Reported
Date Response Received:	Not Reported
Request Agency:	Not Reported
Former Citation:	Not Reported

Evaluation Date:	19920313
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not Reported
Actual Return to Compliance Date:	19920910
Scheduled Compliance Date:	Not Reported
Date of Request:	Not Reported
Date Response Received:	Not Reported
Request Agency:	Not Reported
Former Citation:	Not Reported

Evaluation Date:	19900117
Evaluation Responsible Agency:	State Contractor/Grantee
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not Reported
Actual Return to Compliance Date:	19910307
Scheduled Compliance Date:	Not Reported
Date of Request:	Not Reported
Date Response Received:	Not Reported
Request Agency:	Not Reported
Former Citation:	Not Reported

Evaluation Date:	19880126
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	FINANCIAL RECORD REVIEW
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not Reported

SIGNET ARMORLITE, INC., 1001 ARMORLITE DRIVE, SAN MARCOS, CA, 92069 (Continued)

Actual Return to Compliance Date:	19890426
Scheduled Compliance Date:	Not Reported
Date of Request:	Not Reported
Date Response Received:	Not Reported
Request Agency:	Not Reported
Former Citation:	Not Reported

Evaluation Date:	19910307
Evaluation Responsible Agency:	State Contractor/Grantee
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not Reported
Actual Return to Compliance Date:	19920313
Scheduled Compliance Date:	Not Reported
Date of Request:	Not Reported
Date Response Received:	Not Reported
Request Agency:	Not Reported
Former Citation:	Not Reported

Evaluation Date:	19880121
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not Reported
Actual Return to Compliance Date:	19880725
Scheduled Compliance Date:	Not Reported
Date of Request:	Not Reported
Date Response Received:	Not Reported
Request Agency:	Not Reported
Former Citation:	Not Reported

Evaluation Date:	20061027
Evaluation Responsible Agency:	Local
Found Violation:	No
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not Reported
Evaluation Responsible Sub-Organization:	Not Reported
Actual Return to Compliance Date:	Not Reported
Scheduled Compliance Date:	Not Reported
Date of Request:	Not Reported

SIGNET ARMORLITE, INC., 1001 ARMORLITE DRIVE, SAN MARCOS, CA, 92069 (Continued)

Date Response Received:	Not Reported
Request Agency:	Not Reported
Former Citation:	Not Reported

Evaluation Date:	19880126
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	FINANCIAL RECORD REVIEW
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not Reported
Actual Return to Compliance Date:	19890426
Scheduled Compliance Date:	Not Reported
Date of Request:	Not Reported
Date Response Received:	Not Reported
Request Agency:	Not Reported
Former Citation:	Not Reported

Evaluation Date:	19930722
Evaluation Responsible Agency:	State Contractor/Grantee
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not Reported
Actual Return to Compliance Date:	19980722
Scheduled Compliance Date:	Not Reported
Date of Request:	Not Reported
Date Response Received:	Not Reported
Request Agency:	Not Reported
Former Citation:	Not Reported

Evaluation Date:	20051027
Evaluation Responsible Agency:	Local
Found Violation:	No
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not Reported
Evaluation Responsible Sub-Organization:	Not Reported
Actual Return to Compliance Date:	Not Reported
Scheduled Compliance Date:	Not Reported
Date of Request:	Not Reported
Date Response Received:	Not Reported
Request Agency:	Not Reported
Former Citation:	Not Reported

SIGNET ARMORLITE, INC., 1001 ARMORLITE DRIVE, SAN MARCOS, CA, 92069 (Continued)

Evaluation Date:	19920313
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not Reported
Actual Return to Compliance Date:	19920910
Scheduled Compliance Date:	Not Reported
Date of Request:	Not Reported
Date Response Received:	Not Reported
Request Agency:	Not Reported
Former Citation:	Not Reported

Evaluation Date:	19920421
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	FINANCIAL RECORD REVIEW
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not Reported
Actual Return to Compliance Date:	Not Reported
Scheduled Compliance Date:	Not Reported
Date of Request:	Not Reported
Date Response Received:	Not Reported
Request Agency:	Not Reported
Former Citation:	Not Reported

Evaluation Date:	19880121
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not Reported
Actual Return to Compliance Date:	19880725
Scheduled Compliance Date:	Not Reported
Date of Request:	Not Reported
Date Response Received:	Not Reported
Request Agency:	Not Reported
Former Citation:	Not Reported

SIGNET ARMORLITE, INC., 1001 ARMORLITE DRIVE, SAN MARCOS, CA, 92069 (Continued)

SIGNET ARMORLITE, INC., 1001 ARMORLITE DRIVE, SAN MARCOS, CA, 92069 (Continued)

ENVIROSTOR: Lists of state- and tribal hazardous waste facilities

Name:	SIGNET ARMORLITE INC
Address:	1001 ARMORLITE DR
City,State,Zip:	SAN MARCOS, CA 920690000
Facility ID:	80001570
Status:	Refer: RWQCB
Status Date:	08/29/2012
Site Code:	400252
Site Type:	Corrective Action
Site Type Detailed:	Corrective Action
Acres:	0
NPL:	NO
Regulatory Agencies:	RWQCB 9 - San Diego
Lead Agency:	RWQCB 9 - San Diego
Program Manager:	Not Reported
Supervisor:	* Unknown
Division Branch:	Cleanup Cypress
Assembly:	75
Senate:	38
Special Program:	Not Reported
Restricted Use:	NO
Site Mgmt Req:	NONE SPECIFIED
Funding:	Not Reported
Latitude:	33.14554
Longitude:	-117.1853
APN:	NONE SPECIFIED
Past Use:	NONE SPECIFIED
Potential COC:	NONE SPECIFIED
Confirmed COC:	NONE SPECIFIED
Potential Description:	NONE SPECIFIED
Alias Name:	CAD008362634
Alias Type:	EPA Identification Number
Alias Name:	110000478689
Alias Type:	EPA (FRS #)
Alias Name:	400252
Alias Type:	Project Code (Site Code)

SIGNET ARMORLITE, INC., 1001 ARMORLITE DRIVE, SAN MARCOS, CA, 92069 (Continued)

Alias Name:	80001570
Alias Type:	Envirostor ID Number
Completed Info:	

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not Reported
Completed Document Type:	RCRA Facility Assessment Report
Completed Date:	08/08/1991
Comments:	Not Reported

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not Reported
Completed Document Type:	Interim Measures Questionnaire
Completed Date:	01/31/1992
Comments:	Not Reported

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not Reported
Completed Document Type:	Consent Order
Completed Date:	04/10/1995
Comments:	Not Reported

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not Reported
Completed Document Type:	Interim Measures Workplan
Completed Date:	01/01/1996
Comments:	Not Reported

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not Reported
Completed Document Type:	Interim Measures Workplan
Completed Date:	01/01/1996
Comments:	Not Reported

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not Reported
Completed Document Type:	Preliminary Assessment Report
Completed Date:	08/08/1991
Comments:	Not Reported

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not Reported
Completed Document Type:	Remedy Construction Complete
Completed Date:	06/11/2018
Comments:	Not Reported

SIGNET ARMORLITE, INC., 1001 ARMORLITE DRIVE, SAN MARCOS, CA, 92069 (Continued)

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not Reported
Completed Document Type:	Groundwater Migration Controlled
Completed Date:	06/11/2018
Comments:	Not Reported

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not Reported
Completed Document Type:	Groundwater Migration Controlled
Completed Date:	12/15/1997
Comments:	Not Reported

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not Reported
Completed Document Type:	Human Exposure Controlled
Completed Date:	12/15/1997
Comments:	Not Reported

Future Area Name:	Not Reported
Future Sub Area Name:	Not Reported
Future Document Type:	Not Reported
Future Due Date:	Not Reported
Schedule Area Name:	Not Reported
Schedule Sub Area Name:	Not Reported
Schedule Document Type:	Not Reported
Schedule Due Date:	Not Reported
Schedule Revised Date:	Not Reported

LUST: Lists of state and tribal leaking storage tanks

Name:	ARMORLITE INC
Address:	1001 ARMORLITE DR
City,State,Zip:	SAN MARCOS, CA 920691431
Lead Agency:	SAN DIEGO COUNTY LOP
Case Type:	LUST Cleanup Site
Geo Track:	http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0607302793
Global Id:	T0607302793
Latitude:	33.1444595432761
Longitude:	-117.185845971107
Status:	Completed - Case Closed
Status Date:	09/22/1986
Case Worker:	KH
RB Case Number:	9UT493
Local Agency:	SAN DIEGO COUNTY LOP

SIGNET ARMORLITE, INC., 1001 ARMORLITE DRIVE, SAN MARCOS, CA, 92069 (Continued)

File Location:	Local Agency
Local Case Number:	H02662-001
Potential Media Affect:	Soil
Potential Contaminants of Concern:	Diesel
Site History:	Not Reported

LUST:

Global Id:	T0607302793
Contact Type:	Local Agency Caseworker
Contact Name:	KEVIN HEATON
Organization Name:	SAN DIEGO COUNTY LOP
Address:	P.O. Box 129261
City:	San Diego
Email:	kevin.heaton@sdcounty.ca.gov
Phone Number:	Not Reported

LUST:

Global Id:	T0607302793
Action Type:	Other
Date:	08/26/1986
Action:	Leak Began

Global Id:	T0607302793
Action Type:	Other
Date:	08/22/1986
Action:	Leak Reported

Global Id:	T0607302793
Action Type:	Other
Date:	08/26/1986
Action:	Leak Discovery

LUST:

Global Id:	T0607302793
Status:	Open - Case Begin Date
Status Date:	08/22/1986

Global Id:	T0607302793
Status:	Completed - Case Closed
Status Date:	09/22/1986

SIGNET ARMORLITE, INC., 1001 ARMORLITE DRIVE, SAN MARCOS, CA, 92069 (Continued)

LUST REG 9:

Region:	9
Status:	Case Closed
Case Number:	9UT493
Local Case:	H02662-001
Substance:	Diesel
Qty Leaked:	Not Reported
Abate Method:	Not Reported
Local Agency:	San Diego
How Found:	Tank Closure
How Stopped:	Close Tank
Source:	Tank
Cause:	Corrosion
Lead Agency:	Local Agency
Case Type:	Aquifer affected
Date Found:	08/22/1986
Date Stopped:	/ /
Confirm Date:	/ /
Submit Workplan:	Not Reported
Prelim Assess:	/ /
Desc Pollution:	Not Reported
Remed Plan:	/ /
Remed Action:	Not Reported
Began Monitor:	Not Reported
Release Date:	08/26/1986
Enforce Date:	Not Reported
Closed Date:	9/22/86
Enforce Type:	Not Reported
Pilot Program:	LOP
Basin Number:	904.52
GW Depth:	6 ft
Beneficial Use:	Municipal groundwater use
NPDES Number:	Not Reported
Priority:	Low priority. Priority ranking can change over time.
File Dispn:	File discarded, case closed
Interim Remedial Actions:	Yes
Cleanup and Abatement order Number:	Not Reported
Waste Discharge Requirement Number:	Not Reported

SAN DIEGO CO. SAM: Lists of state and tribal leaking storage tanks

Name:	ARMORLITE INC

SIGNET ARMORLITE, INC., 1001 ARMORLITE DRIVE, SAN MARCOS, CA, 92069 (Continued)

Address:	1001 ARMORLITE DR
City,State,Zip:	SAN MARCOS, CA 920691431
Case Number:	H02662-002
Agency:	CA Regional Water Quality Control Board
Funding:	Non Billable
Facility Type:	Drinking Water Aquifer Impacted
Facility Status:	Leak Being Confirmed
Date:	9/15/1993
Date Began:	9/15/1993

Name:	ARMORLITE INC
Address:	1001 ARMORLITE DR
City,State,Zip:	SAN MARCOS, CA 920691431
Case Number:	H02662-001
Agency:	DEH Site Assessment & Mitigation
Funding:	LOP - Federal Fund
Facility Type:	Soils Only
Facility Status:	Closed Case
Date:	9/22/1986
Date Began:	8/26/1986

CPS-SLIC: Lists of state and tribal leaking storage tanks

Name:	MILANO HOLDINGS INC. (FORMER SIGNET ARMORLITE, INC.)
Address:	1001 ARMORLITE DRIVE
City,State,Zip:	SAN MARCOS, CA 92069
Region:	STATE
Facility Status:	Completed - Case Closed
Status Date:	01/31/2014
Global Id:	SL209154190
Lead Agency:	SAN DIEGO RWQCB (REGION 9)
Lead Agency Case Number:	H02662-001
Latitude:	33.1441271643332
Longitude:	-117.18586742878
Case Type:	Cleanup Program Site
Case Worker:	Not Reported
Local Agency:	Not Reported
RB Case Number:	2091500
File Location:	Regional Board
Potential Media Affected:	Aquifer used for drinking water supply
Potential Contaminants of Concern:	1,1,1-Trichloroethane (TCA), Acetone, Benzene, Other Chlorinated Hydrocarbons, Tetrachloroethylene (PCE), Trichloroethylene (TCE), Freon, Diesel, Gasoline
Site History:	The Facility is approximately 11.8 acres in size and contains buildings associated with the manufacture, marketing, and distribution of optical lenses. Site assessment activities have been

SIGNET ARMORLITE, INC., 1001 ARMORLITE DRIVE, SAN MARCOS, CA, 92069 (Continued)

	conducted at the Facility since the early 1990s. Investigations revealed the presence of VOCs, including methylene chloride, in soil and groundwater at the Facility. Signet has undertaken four remedial actions at the Facility, as well as subsequent investigation activities to assess the adequacy of the remedial actions. Active remediation has included operation of a multiphase extraction system (MPE system) from 1995 to 1998 to remove subsurface VOCs from source areas at the Facility. Additionally, three targeted source removal actions have been conducted at the Facility since 1986. Remedial activities have included removal and disposal of contaminated soil and addition of soil amendments to facilitate in-situ degradation. In late 2009, an interim remedial measure to extract VOCs from deep groundwater was evaluated, and the findings of this evaluation are incorporated into the CAP.
Click here to access the California GeoTracker records for this facility:	http://www.web.edrnet.com/ordering/switchboard/redirect.aspx?s=GRR_CA_SLIC_ST&global_id=SL209154190

Name:	PROPOSED DAVIA VILLAGE
Address:	1001 ARMORLITE DRIVE
City,State,Zip:	SAN MARCOS, CA 92069
Region:	STATE
Facility Status:	Completed - Case Closed
Status Date:	05/03/2016
Global Id:	T10000003706
Lead Agency:	SAN DIEGO RWQCB (REGION 9)
Lead Agency Case Number:	Not Reported
Latitude:	33.1443427616288
Longitude:	-117.18635559082
Case Type:	Cleanup Program Site
Case Worker:	SAM
Local Agency:	Not Reported
RB Case Number:	4090003
File Location:	All Files are on GeoTracker or in the Local Agency Database
Potential Media Affected:	Indoor Air, Other Groundwater (uses other than drinking water), Soil
Potential Contaminants of Concern:	1,1,1-Trichloroethane (TCA), Acetone, Other Chlorinated Hydrocarbons, Tetrachloroethylene (PCE), Trichloroethylene (TCE), Freon, Benzene, Diesel, Gasoline
Site History:	This case is for a planned redevleopment of the former Signet Armorlite Site. For historical information regarding the site please review the Geotracker file for Milano Holdings, Inc. (former Signet Armorlite), Geotracker ID SL209154190.
Click here to access the California	http://www.web.edrnet.com/ordering/switchboard/redirect.aspx?s=GRR_CA_SLIC_

SIGNET ARMORLITE, INC., 1001 ARMORLITE DRIVE, SAN MARCOS, CA, 92069 (Continued)

GeoTracker records for this facility: ST&global_id=T10000003706

HMMD SAN DIEGO: Local Lists of Hazardous waste / Contaminated Sites

Name:	SIGNET ARMORLITE, INC
Address:	1001 ARMORLITE DR
City,State,Zip:	SAN MARCOS, CA 92069
Permit Number:	213233
Business Type:	6HK77
EPA Id Number:	CAD008362634
APN:	219-163-48-00
Last HMMD Inspection:	05/18/2011
Facility Telephone:	760-744-4000
Permit Status:	OPEN
Permit Expiration:	08/31/2013
Date Last Updated:	11/02/2012
Facility Owner:	EOA HOLDING CO, INC
Facility Mailing Address:	1001 ARMORLITE DR
Facility Mailing City:	SAN MARCOS
Facility Mailing State:	CA
Facility Mailing Zip:	92069
UST Owner:	Not Reported
Handle Regulated Hazmat:	Y
Own Or Operate UST:	Not Reported
Subject To APSA:	Not Reported
Generate Haz Waste:	Y
Treat Haz Waste:	Y
Generate Medical Waste:	Not Reported

Inventory Active Permits (not SQG Medical):

Permit Number:	213233
Update Date:	11/02/2012
Case Number:	67-64-1
Name:	ACETONE
Other Information:	Not Reported
Material Waste:	Material
Hazardous Categories 1:	FIRE
Hazardous Categories 2:	ACUTE

Permit Number:	213233
Update Date:	11/02/2012
Case Number:	7440-37-1
Name:	ARGON, HELIUM COMPRESSED GAS :
Other Information:	Not Reported
Material Waste:	Material
Hazardous Categories 1:	PRESSURE RELEASE

SIGNET ARMORLITE, INC., 1001 ARMORLITE DRIVE, SAN MARCOS, CA, 92069 (Continued)

Hazardous Categories 2:	Not Reported

Permit Number:	213233
Update Date:	11/02/2012
Case Number:	Not Reported
Name:	CARCINOGENS &/OR REPRODUCTIVE TOXINS
Other Information:	BELOW STATE DISCLOSURE AMTS ARE/MAY BE ON SITE
Material Waste:	Not Reported
Hazardous Categories 1:	Not Reported
Hazardous Categories 2:	Not Reported

Permit Number:	213233
Update Date:	11/02/2012
Case Number:	8006-64-2
Name:	ISOPROPYL ALCOHOL
Other Information:	Not Reported
Material Waste:	Material
Hazardous Categories 1:	FIRE
Hazardous Categories 2:	ACUTE

Permit Number:	213233
Update Date:	11/02/2012
Case Number:	67-56-1
Name:	METHYL ALCOHOL
Other Information:	Not Reported
Material Waste:	Material
Hazardous Categories 1:	FIRE
Hazardous Categories 2:	ACUTE

Permit Number:	213233
Update Date:	11/02/2012
Case Number:	7727-37-9
Name:	NITROGEN
Other Information:	Not Reported
Material Waste:	Material
Hazardous Categories 1:	PRESSURE RELEASE
Hazardous Categories 2:	Not Reported

Permit Number:	213233
Update Date:	11/02/2012
Case Number:	64742-54-7
Name:	OIL LUBRICATING PETROLEUM
Other Information:	Not Reported
Material Waste:	Material
Hazardous Categories 1:	FIRE
Hazardous Categories 2:	ACUTE

SIGNET ARMORLITE, INC., 1001 ARMORLITE DRIVE, SAN MARCOS, CA, 92069 (Continued)

Permit Number:	213233
Update Date:	11/02/2012
Case Number:	7782-44-7
Name:	OXYGEN, COMPRESSED GAS :
Other Information:	Not Reported
Material Waste:	Material
Hazardous Categories 1:	REACTIVE
Hazardous Categories 2:	PRESSURE RELEASE

Permit Number:	213233
Update Date:	11/02/2012
Case Number:	1310-58-3
Name:	POTASSIUM HYDROXIDE : STRIPPER 4C, 10%
Other Information:	Not Reported
Material Waste:	Material
Hazardous Categories 1:	REACTIVE
Hazardous Categories 2:	ACUTE

Permit Number:	213233
Update Date:	11/02/2012
Case Number:	74-98-6
Name:	PROPANE
Other Information:	Not Reported
Material Waste:	Material
Hazardous Categories 1:	FIRE
Hazardous Categories 2:	Not Reported

Permit Number:	213233
Update Date:	11/02/2012
Case Number:	Not Reported
Name:	VITEC 3000 ANTISCALANT
Other Information:	Not Reported
Material Waste:	Material
Hazardous Categories 1:	ACUTE
Hazardous Categories 2:	Not Reported

Permit Number:	213233
Update Date:	11/02/2012
Case Number:	1310-58-3
Name:	WASTE 122 ALKALINE SOL'N W/OUT METALS
Other Information:	4-C STRIPPER SOLUTION - POTASSIUM HYDROXIDE SOL. @ 10% KOH
Material Waste:	Waste
Hazardous Categories 1:	Not Reported
Hazardous Categories 2:	Not Reported

SIGNET ARMORLITE, INC., 1001 ARMORLITE DRIVE, SAN MARCOS, CA, 92069 (Continued)

Permit Number:	213233
Update Date:	11/02/2012
Case Number:	Not Reported
Name:	WASTE 135 UNSPECIFIED AQUEOUS SOL'N
Other Information:	AQUEOUS COATING
Material Waste:	Waste
Hazardous Categories 1:	Not Reported
Hazardous Categories 2:	Not Reported

Permit Number:	213233
Update Date:	11/02/2012
Case Number:	107-21-1
Name:	WASTE 135 UNSPECIFIED AQUEOUS SOL'N
Other Information:	DYE
Material Waste:	Waste
Hazardous Categories 1:	Not Reported
Hazardous Categories 2:	Not Reported

Permit Number:	213233
Update Date:	11/02/2012
Case Number:	1310-58-3
Name:	WASTE 181 INORGANIC SOLID WASTE (OTHER)
Other Information:	4-C STRIPPER DEBRIS - POTASSIUM HYDROXIDE
Material Waste:	Waste
Hazardous Categories 1:	Not Reported
Hazardous Categories 2:	Not Reported

Permit Number:	213233
Update Date:	11/02/2012
Case Number:	Not Reported
Name:	WASTE 212 OXYGENATED SOLVENTS
Other Information:	FLAMMABLE PAINT WASTE
Material Waste:	Waste
Hazardous Categories 1:	Not Reported
Hazardous Categories 2:	Not Reported

Permit Number:	213233
Update Date:	11/02/2012
Case Number:	Not Reported
Name:	WASTE 212 OXYGENATED SOLVENTS
Other Information:	WASTE ACETONE
Material Waste:	Waste
Hazardous Categories 1:	Not Reported
Hazardous Categories 2:	Not Reported

SIGNET ARMORLITE, INC., 1001 ARMORLITE DRIVE, SAN MARCOS, CA, 92069 (Continued)

Permit Number:	213233
Update Date:	11/02/2012
Case Number:	Not Reported
Name:	WASTE 221 WASTE OIL & MIXED OIL
Other Information:	WASTE OIL
Material Waste:	Waste
Hazardous Categories 1:	Not Reported
Hazardous Categories 2:	Not Reported

Permit Number:	213233
Update Date:	11/02/2012
Case Number:	Not Reported
Name:	WASTE 272 POLYMERIC RESIN WASTE
Other Information:	MONOMER/RAGS/DEBRI
Material Waste:	Waste
Hazardous Categories 1:	Not Reported
Hazardous Categories 2:	Not Reported

Permit Number:	213233
Update Date:	11/02/2012
Case Number:	Not Reported
Name:	WASTE 352 ORGANIC SOLIDS (OTHER)
Other Information:	ACETONE WIPES
Material Waste:	Waste
Hazardous Categories 1:	Not Reported
Hazardous Categories 2:	Not Reported

UST:

UST Name:	UNDERGROUND TANK 102662 T001
Last Update:	2012-11-02 14:17:38
Permit Number:	213233
Tank Type:	SINGLE WALL
Additional Id:	AT5037
Capacity Gallons:	100
UST Contents:	OTHER
Other Content Info:	Not Reported
Reg Status:	REMOVED
Remove Close Date:	2004-02-27 00:00:00
Year Installed:	Not Reported
Pipe Type:	SINGLE WALL
Delivery System:	Not Reported
Monitor Code:	Not Reported
UST Monitor Method:	Not Reported

SIGNET ARMORLITE, INC., 1001 ARMORLITE DRIVE, SAN MARCOS, CA, 92069 (Continued)

UST Name:	UNDERGROUND TANK 102662 T002
Last Update:	2012-11-02 14:17:38
Permit Number:	213233
Tank Type:	SINGLE WALL
Additional Id:	AT1757- CONCRETE CLARIFIER
Capacity Gallons:	1250
UST Contents:	Not Reported
Other Content Info:	Not Reported
Reg Status:	REMOVED
Remove Close Date:	1989-09-14 00:00:00
Year Installed:	Not Reported
Pipe Type:	Not Reported
Delivery System:	Not Reported
Monitor Code:	90
UST Monitor Method:	NO MONITORING ALTERNATIVE SELECTED. VERIFY AND ENTER MONITORING ALTERNATIVE DURING INSPECTION

UST Name:	UNDERGROUND TANK 102662 T003
Last Update:	2012-11-02 14:17:38
Permit Number:	213233
Tank Type:	SINGLE WALL
Additional Id:	AT0385
Capacity Gallons:	3000
UST Contents:	DIESEL
Other Content Info:	Not Reported
Reg Status:	REMOVED
Remove Close Date:	1986-08-22 00:00:00
Year Installed:	Not Reported
Pipe Type:	Not Reported
Delivery System:	Not Reported
Monitor Code:	90
UST Monitor Method:	NO MONITORING ALTERNATIVE SELECTED. VERIFY AND ENTER MONITORING ALTERNATIVE DURING INSPECTION

Name:	SIGNET ARMORLITE, INC
Address:	1001 ARMORLITE DR
City,State,Zip:	SAN MARCOS, CA 92069
Permit Number:	213233
Business Type:	6HK77
EPA Id Number:	CAD008362634
APN:	219-163-48-00
Last HMMD Inspection:	05/18/2011
Facility Telephone:	760-744-4000
Permit Status:	OPEN
Permit Expiration:	08/31/2013

SIGNET ARMORLITE, INC., 1001 ARMORLITE DRIVE, SAN MARCOS, CA, 92069 (Continued)

Date Last Updated:	11/02/2012
Facility Owner:	EOA HOLDING CO, INC
Facility Mailing Address:	1001 ARMORLITE DR
Facility Mailing City:	SAN MARCOS
Facility Mailing State:	CA
Facility Mailing Zip:	92069
UST Owner:	Not Reported
Handle Regulated Hazmat:	Y
Own Or Operate UST:	Not Reported
Subject To APSA:	Not Reported
Generate Haz Waste:	Y
Treat Haz Waste:	N
Generate Medical Waste:	Not Reported

Inventory Active Permits (not SQG Medical):

Permit Number:	213233
Update Date:	11/02/2012
Case Number:	67-64-1
Name:	ACETONE
Other Information:	Not Reported
Material Waste:	Material
Hazardous Categories 1:	FIRE
Hazardous Categories 2:	ACUTE

Permit Number:	213233
Update Date:	11/02/2012
Case Number:	7440-37-1
Name:	ARGON, HELIUM COMPRESSED GAS :
Other Information:	Not Reported
Material Waste:	Material
Hazardous Categories 1:	PRESSURE RELEASE
Hazardous Categories 2:	Not Reported

Permit Number:	213233
Update Date:	11/02/2012
Case Number:	Not Reported
Name:	CARCINOGENS &/OR REPRODUCTIVE TOXINS
Other Information:	BELOW STATE DISCLOSURE AMTS ARE/MAY BE ON SITE
Material Waste:	Not Reported
Hazardous Categories 1:	Not Reported
Hazardous Categories 2:	Not Reported

Permit Number:	213233
Update Date:	11/02/2012
Case Number:	8006-64-2
Name:	ISOPROPYL ALCOHOL

SIGNET ARMORLITE, INC., 1001 ARMORLITE DRIVE, SAN MARCOS, CA, 92069 (Continued)

Other Information:	Not Reported
Material Waste:	Material
Hazardous Categories 1:	FIRE
Hazardous Categories 2:	ACUTE

Permit Number:	213233
Update Date:	11/02/2012
Case Number:	67-56-1
Name:	METHYL ALCOHOL
Other Information:	Not Reported
Material Waste:	Material
Hazardous Categories 1:	FIRE
Hazardous Categories 2:	ACUTE

Permit Number:	213233
Update Date:	11/02/2012
Case Number:	7727-37-9
Name:	NITROGEN
Other Information:	Not Reported
Material Waste:	Material
Hazardous Categories 1:	PRESSURE RELEASE
Hazardous Categories 2:	Not Reported

Permit Number:	213233
Update Date:	11/02/2012
Case Number:	64742-54-7
Name:	OIL LUBRICATING PETROLEUM
Other Information:	Not Reported
Material Waste:	Material
Hazardous Categories 1:	FIRE
Hazardous Categories 2:	ACUTE

Permit Number:	213233
Update Date:	11/02/2012
Case Number:	7782-44-7
Name:	OXYGEN, COMPRESSED GAS :
Other Information:	Not Reported
Material Waste:	Material
Hazardous Categories 1:	REACTIVE
Hazardous Categories 2:	PRESSURE RELEASE

Permit Number:	213233
Update Date:	11/02/2012
Case Number:	1310-58-3
Name:	POTASSIUM HYDROXIDE : STRIPPER 4C, 10%
Other Information:	Not Reported

SIGNET ARMORLITE, INC., 1001 ARMORLITE DRIVE, SAN MARCOS, CA, 92069 (Continued)

Material Waste:	Material
Hazardous Categories 1:	REACTIVE
Hazardous Categories 2:	ACUTE

Permit Number:	213233
Update Date:	11/02/2012
Case Number:	74-98-6
Name:	PROPANE
Other Information:	Not Reported
Material Waste:	Material
Hazardous Categories 1:	FIRE
Hazardous Categories 2:	Not Reported

Permit Number:	213233
Update Date:	11/02/2012
Case Number:	Not Reported
Name:	VITEC 3000 ANTISCALANT
Other Information:	Not Reported
Material Waste:	Material
Hazardous Categories 1:	ACUTE
Hazardous Categories 2:	Not Reported

Permit Number:	213233
Update Date:	11/02/2012
Case Number:	1310-58-3
Name:	WASTE 122 ALKALINE SOL'N W/OUT METALS
Other Information:	4-C STRIPPER SOLUTION - POTASSIUM HYDROXIDE SOL. @ 10% KOH
Material Waste:	Waste
Hazardous Categories 1:	Not Reported
Hazardous Categories 2:	Not Reported

Permit Number:	213233
Update Date:	11/02/2012
Case Number:	Not Reported
Name:	WASTE 135 UNSPECIFIED AQUEOUS SOL'N
Other Information:	AQUEOUS COATING
Material Waste:	Waste
Hazardous Categories 1:	Not Reported
Hazardous Categories 2:	Not Reported

Permit Number:	213233
Update Date:	11/02/2012
Case Number:	107-21-1
Name:	WASTE 135 UNSPECIFIED AQUEOUS SOL'N
Other Information:	DYE
Material Waste:	Waste

SIGNET ARMORLITE, INC., 1001 ARMORLITE DRIVE, SAN MARCOS, CA, 92069 (Continued)

Hazardous Categories 1:	Not Reported
Hazardous Categories 2:	Not Reported

Permit Number:	213233
Update Date:	11/02/2012
Case Number:	1310-58-3
Name:	WASTE 181 INORGANIC SOLID WASTE (OTHER)
Other Information:	4-C STRIPPER DEBRIS - POTASSIUM HYDROXIDE
Material Waste:	Waste
Hazardous Categories 1:	Not Reported
Hazardous Categories 2:	Not Reported

Permit Number:	213233
Update Date:	11/02/2012
Case Number:	Not Reported
Name:	WASTE 212 OXYGENATED SOLVENTS
Other Information:	FLAMMABLE PAINT WASTE
Material Waste:	Waste
Hazardous Categories 1:	Not Reported
Hazardous Categories 2:	Not Reported

Permit Number:	213233
Update Date:	11/02/2012
Case Number:	Not Reported
Name:	WASTE 212 OXYGENATED SOLVENTS
Other Information:	WASTE ACETONE
Material Waste:	Waste
Hazardous Categories 1:	Not Reported
Hazardous Categories 2:	Not Reported

Permit Number:	213233
Update Date:	11/02/2012
Case Number:	Not Reported
Name:	WASTE 221 WASTE OIL & MIXED OIL
Other Information:	WASTE OIL
Material Waste:	Waste
Hazardous Categories 1:	Not Reported
Hazardous Categories 2:	Not Reported

Permit Number:	213233
Update Date:	11/02/2012
Case Number:	Not Reported
Name:	WASTE 272 POLYMERIC RESIN WASTE
Other Information:	MONOMER/RAGS/DEBRI
Material Waste:	Waste
Hazardous Categories 1:	Not Reported

SIGNET ARMORLITE, INC., 1001 ARMORLITE DRIVE, SAN MARCOS, CA, 92069 (Continued)

Hazardous Categories 2:	Not Reported

Permit Number:	213233
Update Date:	11/02/2012
Case Number:	Not Reported
Name:	WASTE 352 ORGANIC SOLIDS (OTHER)
Other Information:	ACETONE WIPES
Material Waste:	Waste
Hazardous Categories 1:	Not Reported
Hazardous Categories 2:	Not Reported

UST:

UST Name:	UNDERGROUND TANK 102662 T001
Last Update:	2012-11-02 14:17:38
Permit Number:	213233
Tank Type:	SINGLE WALL
Additional Id:	AT5037
Capacity Gallons:	100
UST Contents:	OTHER
Other Content Info:	Not Reported
Reg Status:	REMOVED
Remove Close Date:	2004-02-27 00:00:00
Year Installed:	Not Reported
Pipe Type:	SINGLE WALL
Delivery System:	Not Reported
Monitor Code:	Not Reported
UST Monitor Method:	Not Reported

UST Name:	UNDERGROUND TANK 102662 T002
Last Update:	2012-11-02 14:17:38
Permit Number:	213233
Tank Type:	SINGLE WALL
Additional Id:	AT1757- CONCRETE CLARIFIER
Capacity Gallons:	1250
UST Contents:	Not Reported
Other Content Info:	Not Reported
Reg Status:	REMOVED
Remove Close Date:	1989-09-14 00:00:00
Year Installed:	Not Reported
Pipe Type:	Not Reported
Delivery System:	Not Reported
Monitor Code:	90
UST Monitor Method:	NO MONITORING ALTERNATIVE SELECTED. VERIFY AND ENTER MONITORING ALTERNATIVE DURING INSPECTION

SIGNET ARMORLITE, INC., 1001 ARMORLITE DRIVE, SAN MARCOS, CA, 92069 (Continued)

UST Name:	UNDERGROUND TANK 102662 T003
Last Update:	2012-11-02 14:17:38
Permit Number:	213233
Tank Type:	SINGLE WALL
Additional Id:	AT0385
Capacity Gallons:	3000
UST Contents:	DIESEL
Other Content Info:	Not Reported
Reg Status:	REMOVED
Remove Close Date:	1986-08-22 00:00:00
Year Installed:	Not Reported
Pipe Type:	Not Reported
Delivery System:	Not Reported
Monitor Code:	90
UST Monitor Method:	NO MONITORING ALTERNATIVE SELECTED. VERIFY AND ENTER MONITORING ALTERNATIVE DURING INSPECTION

Name:	ARMORLITE INC
Address:	1001 ARMORLITE DR
City,State,Zip:	SAN MARCOS, CA 92069
Permit Number:	102662
Business Type:	6HK67
EPA Id Number:	CAD008362634
APN:	219-163-48-00
Last HMMD Inspection:	11/04/2009
Facility Telephone:	760-744-4000
Permit Status:	CHNG
Permit Expiration:	05/31/2011
Date Last Updated:	11/02/2012
Facility Owner:	ARMORLITE S.P.A.
Facility Mailing Address:	1001 ARMORLITE DR
Facility Mailing City:	SAN MARCOS
Facility Mailing State:	CA
Facility Mailing Zip:	92069-1431
UST Owner:	JEPSON CORP
Handle Regulated Hazmat:	Y
Own Or Operate UST:	Not Reported
Subject To APSA:	Not Reported
Generate Haz Waste:	Y
Treat Haz Waste:	Y
Generate Medical Waste:	Not Reported
UST:	

UST Name:	UNDERGROUND TANK 102662 T001
Last Update:	2012-11-02 14:17:38
Permit Number:	102662

SIGNET ARMORLITE, INC., 1001 ARMORLITE DRIVE, SAN MARCOS, CA, 92069 (Continued)

Tank Type:	SINGLE WALL
Additional Id:	AT5037
Capacity Gallons:	100
UST Contents:	OTHER
Other Content Info:	Not Reported
Reg Status:	REMOVED
Remove Close Date:	2004-02-27 00:00:00
Year Installed:	Not Reported
Pipe Type:	SINGLE WALL
Delivery System:	Not Reported
Monitor Code:	Not Reported
UST Monitor Method:	Not Reported

UST Name:	UNDERGROUND TANK 102662 T002
Last Update:	2012-11-02 14:17:38
Permit Number:	102662
Tank Type:	SINGLE WALL
Additional Id:	AT1757- CONCRETE CLARIFIER
Capacity Gallons:	1250
UST Contents:	Not Reported
Other Content Info:	Not Reported
Reg Status:	REMOVED
Remove Close Date:	1989-09-14 00:00:00
Year Installed:	Not Reported
Pipe Type:	Not Reported
Delivery System:	Not Reported
Monitor Code:	90
UST Monitor Method:	NO MONITORING ALTERNATIVE SELECTED. VERIFY AND ENTER MONITORING ALTERNATIVE DURING INSPECTION

UST Name:	UNDERGROUND TANK 102662 T003
Last Update:	2012-11-02 14:17:38
Permit Number:	102662
Tank Type:	SINGLE WALL
Additional Id:	AT0385
Capacity Gallons:	3000
UST Contents:	DIESEL
Other Content Info:	Not Reported
Reg Status:	REMOVED
Remove Close Date:	1986-08-22 00:00:00
Year Installed:	Not Reported
Pipe Type:	Not Reported
Delivery System:	Not Reported
Monitor Code:	90
UST Monitor Method:	NO MONITORING ALTERNATIVE SELECTED. VERIFY AND ENTER MONITORING ALTERNATIVE DURING INSPECTION

SIGNET ARMORLITE, INC., 1001 ARMORLITE DRIVE, SAN MARCOS, CA, 92069 (Continued)

DEED: Local Land Records

Name:	PROPOSED DAVIA VILLAGE
Address:	1001 ARMORLITE DRIVE
City,State,Zip:	SAN MARCOS, CA 92069
Envirostor ID:	T10000003706
Area:	Not Reported
Sub Area:	Not Reported
Site Type:	SLIC
Status:	COMPLETED - CASE CLOSED
Agency:	SWRCB
Covenant Uploaded:	Y
Deed Date(s):	06/30/2014
File Name:	Geotracker Land Use/Deed Restrictions

Name:	MILANO HOLDINGS INC. (FORMER SIGNET ARMORLITE, INC.)
Address:	1001 ARMORLITE DRIVE
City,State,Zip:	SAN MARCOS, CA 92069
Envirostor ID:	SL209154190
Area:	Not Reported
Sub Area:	Not Reported
Site Type:	SLIC
Status:	COMPLETED - CASE CLOSED
Agency:	SWRCB
Covenant Uploaded:	Y
Deed Date(s):	06/30/2014
File Name:	Geotracker Land Use/Deed Restrictions

2020 COR ACTION: Other Ascertainable Records

EPA ID:	CAD008362634
Region:	9
Action:	Not Reported

ICIS: Other Ascertainable Records

Enforcement Action ID:	CASDSA00000607300058000 29
FRS ID:	110000478689
Action Name:	SIGNET ARMORLITE 060730005800029
Facility Name:	SIGNET ARMORLITE
Facility Address:	1001 ARMORLITE DR SAN MARCOS, CA 92069
Enforcement Action Type:	Administrative Order

SIGNET ARMORLITE, INC., 1001 ARMORLITE DRIVE, SAN MARCOS, CA, 92069 (Continued)

Facility County:	SAN DIEGO
Program System Acronym:	AIR
Enforcement Action Forum Desc:	Administrative - Formal
EA Type Code:	SCAAAO
Facility SIC Code:	3851
Federal Facility ID:	Not Reported
Latitude in Decimal Degrees:	33.1448
Longitude in Decimal Degrees:	-117.184979
Permit Type Desc:	Not Reported
Program System Acronym:	CASDS0000607300058
Facility NAICS Code:	326199
Tribal Land Code:	Not Reported

Enforcement Action ID:	CASDSA0000060730005800027
FRS ID:	110000478689
Action Name:	SIGNET ARMORLITE 060730005800027
Facility Name:	SIGNET ARMORLITE
Facility Address:	1001 ARMORLITE DR SAN MARCOS, CA 92069
Enforcement Action Type:	Notice of Violation
Facility County:	SAN DIEGO
Program System Acronym:	AIR
Enforcement Action Forum Desc:	Administrative - Informal
EA Type Code:	NOV
Facility SIC Code:	3851
Federal Facility ID:	Not Reported
Latitude in Decimal Degrees:	33.1448
Longitude in Decimal Degrees:	-117.184979
Permit Type Desc:	Not Reported
Program System Acronym:	CASDS0000607300058
Facility NAICS Code:	326199
Tribal Land Code:	Not Reported

US AIRS MINOR: Other Ascertainable Records

Envid:	1000314091
Region Code:	09
Programmatic ID:	AIR CASDS0000607300058
Facility Registry ID:	110000478689
D and B Number:	Not Reported
Primary SIC Code:	3851
NAICS Code:	326199
Default Air Classification Code:	MIN
Facility Type of Ownership Code:	POF
Air CMS Category Code:	Not Reported

SIGNET ARMORLITE, INC., 1001 ARMORLITE DRIVE, SAN MARCOS, CA, 92069 (Continued)

HPV Status:	Not Reported
US AIRS MINOR:	

Region Code:	09
Programmatic ID:	AIR CASDS0000607300058
Facility Registry ID:	110000478689
Air Operating Status Code:	OPR
Default Air Classification Code:	MIN
Air Program:	State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date:	Not Reported
Activity Status Date:	1994-06-28 00:00:00
Activity Group:	Case File
Activity Type:	Case File
Activity Status:	Resolved

Region Code:	09
Programmatic ID:	AIR CASDS0000607300058
Facility Registry ID:	110000478689
Air Operating Status Code:	OPR
Default Air Classification Code:	MIN
Air Program:	State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date:	1976-12-02 00:00:00
Activity Status Date:	Not Reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not Reported

Region Code:	09
Programmatic ID:	AIR CASDS0000607300058
Facility Registry ID:	110000478689
Air Operating Status Code:	OPR
Default Air Classification Code:	MIN
Air Program:	State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date:	1978-02-08 00:00:00
Activity Status Date:	Not Reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not Reported

Region Code:	09
Programmatic ID:	AIR CASDS0000607300058
Facility Registry ID:	110000478689
Air Operating Status Code:	OPR
Default Air Classification Code:	MIN

SIGNET ARMORLITE, INC., 1001 ARMORLITE DRIVE, SAN MARCOS, CA, 92069 (Continued)

Air Program:	State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date:	1979-03-05 00:00:00
Activity Status Date:	Not Reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not Reported

Region Code:	09
Programmatic ID:	AIR CASDS0000607300058
Facility Registry ID:	110000478689
Air Operating Status Code:	OPR
Default Air Classification Code:	MIN
Air Program:	State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date:	1980-01-31 00:00:00
Activity Status Date:	Not Reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not Reported

Region Code:	09
Programmatic ID:	AIR CASDS0000607300058
Facility Registry ID:	110000478689
Air Operating Status Code:	OPR
Default Air Classification Code:	MIN
Air Program:	State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date:	1981-03-21 00:00:00
Activity Status Date:	Not Reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not Reported

Region Code:	09
Programmatic ID:	AIR CASDS0000607300058
Facility Registry ID:	110000478689
Air Operating Status Code:	OPR
Default Air Classification Code:	MIN
Air Program:	State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date:	1982-01-19 00:00:00
Activity Status Date:	Not Reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not Reported

SIGNET ARMORLITE, INC., 1001 ARMORLITE DRIVE, SAN MARCOS, CA, 92069 (Continued)

Region Code:	09
Programmatic ID:	AIR CASDS0000607300058
Facility Registry ID:	110000478689
Air Operating Status Code:	OPR
Default Air Classification Code:	MIN
Air Program:	State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date:	1982-12-20 00:00:00
Activity Status Date:	Not Reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not Reported

Region Code:	09
Programmatic ID:	AIR CASDS0000607300058
Facility Registry ID:	110000478689
Air Operating Status Code:	OPR
Default Air Classification Code:	MIN
Air Program:	State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date:	1983-12-08 00:00:00
Activity Status Date:	Not Reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not Reported

Region Code:	09
Programmatic ID:	AIR CASDS0000607300058
Facility Registry ID:	110000478689
Air Operating Status Code:	OPR
Default Air Classification Code:	MIN
Air Program:	State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date:	1984-03-21 00:00:00
Activity Status Date:	Not Reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not Reported

Region Code:	09
Programmatic ID:	AIR CASDS0000607300058
Facility Registry ID:	110000478689
Air Operating Status Code:	OPR
Default Air Classification Code:	MIN
Air Program:	State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date:	1985-04-04 00:00:00
Activity Status Date:	Not Reported

SIGNET ARMORLITE, INC., 1001 ARMORLITE DRIVE, SAN MARCOS, CA, 92069 (Continued)

Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not Reported

Region Code:	09
Programmatic ID:	AIR CASDS0000607300058
Facility Registry ID:	110000478689
Air Operating Status Code:	OPR
Default Air Classification Code:	MIN
Air Program:	State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date:	1986-03-26 00:00:00
Activity Status Date:	Not Reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not Reported

Region Code:	09
Programmatic ID:	AIR CASDS0000607300058
Facility Registry ID:	110000478689
Air Operating Status Code:	OPR
Default Air Classification Code:	MIN
Air Program:	State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date:	1986-07-23 00:00:00
Activity Status Date:	Not Reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not Reported

Region Code:	09
Programmatic ID:	AIR CASDS0000607300058
Facility Registry ID:	110000478689
Air Operating Status Code:	OPR
Default Air Classification Code:	MIN
Air Program:	State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date:	1987-08-26 00:00:00
Activity Status Date:	Not Reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not Reported

Region Code:	09
Programmatic ID:	AIR CASDS0000607300058
Facility Registry ID:	110000478689
Air Operating Status Code:	OPR

SIGNET ARMORLITE, INC., 1001 ARMORLITE DRIVE, SAN MARCOS, CA, 92069 (Continued)

Default Air Classification Code:	MIN
Air Program:	State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date:	1987-12-16 00:00:00
Activity Status Date:	Not Reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not Reported

Region Code:	09
Programmatic ID:	AIR CASDS0000607300058
Facility Registry ID:	110000478689
Air Operating Status Code:	OPR
Default Air Classification Code:	MIN
Air Program:	State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date:	1988-08-19 00:00:00
Activity Status Date:	Not Reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not Reported

Region Code:	09
Programmatic ID:	AIR CASDS0000607300058
Facility Registry ID:	110000478689
Air Operating Status Code:	OPR
Default Air Classification Code:	MIN
Air Program:	State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date:	1989-02-08 00:00:00
Activity Status Date:	Not Reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not Reported

Region Code:	09
Programmatic ID:	AIR CASDS0000607300058
Facility Registry ID:	110000478689
Air Operating Status Code:	OPR
Default Air Classification Code:	MIN
Air Program:	State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date:	1989-09-08 00:00:00
Activity Status Date:	Not Reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not Reported

SIGNET ARMORLITE, INC., 1001 ARMORLITE DRIVE, SAN MARCOS, CA, 92069 (Continued)

Region Code:	09
Programmatic ID:	AIR CASDS0000607300058
Facility Registry ID:	110000478689
Air Operating Status Code:	OPR
Default Air Classification Code:	MIN
Air Program:	State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date:	1991-03-21 00:00:00
Activity Status Date:	Not Reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not Reported

Region Code:	09
Programmatic ID:	AIR CASDS0000607300058
Facility Registry ID:	110000478689
Air Operating Status Code:	OPR
Default Air Classification Code:	MIN
Air Program:	State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date:	1992-03-04 00:00:00
Activity Status Date:	Not Reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not Reported

Region Code:	09
Programmatic ID:	AIR CASDS0000607300058
Facility Registry ID:	110000478689
Air Operating Status Code:	OPR
Default Air Classification Code:	MIN
Air Program:	State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date:	1993-03-02 00:00:00
Activity Status Date:	Not Reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not Reported

Region Code:	09
Programmatic ID:	AIR CASDS0000607300058
Facility Registry ID:	110000478689
Air Operating Status Code:	OPR
Default Air Classification Code:	MIN
Air Program:	State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards

SIGNET ARMORLITE, INC., 1001 ARMORLITE DRIVE, SAN MARCOS, CA, 92069 (Continued)

Activity Date:	1994-03-03 00:00:00
Activity Status Date:	Not Reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not Reported

Region Code:	09
Programmatic ID:	AIR CASDS0000607300058
Facility Registry ID:	110000478689
Air Operating Status Code:	OPR
Default Air Classification Code:	MIN
Air Program:	State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date:	1995-03-24 00:00:00
Activity Status Date:	Not Reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not Reported

Region Code:	09
Programmatic ID:	AIR CASDS0000607300058
Facility Registry ID:	110000478689
Air Operating Status Code:	OPR
Default Air Classification Code:	MIN
Air Program:	State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date:	1996-03-06 00:00:00
Activity Status Date:	Not Reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not Reported

Region Code:	09
Programmatic ID:	AIR CASDS0000607300058
Facility Registry ID:	110000478689
Air Operating Status Code:	OPR
Default Air Classification Code:	MIN
Air Program:	State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date:	1997-02-12 00:00:00
Activity Status Date:	Not Reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not Reported

Region Code:	09
Programmatic ID:	AIR CASDS0000607300058

SIGNET ARMORLITE, INC., 1001 ARMORLITE DRIVE, SAN MARCOS, CA, 92069 (Continued)

Facility Registry ID:	110000478689
Air Operating Status Code:	OPR
Default Air Classification Code:	MIN
Air Program:	State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date:	1998-01-21 00:00:00
Activity Status Date:	Not Reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not Reported

Region Code:	09
Programmatic ID:	AIR CASDS0000607300058
Facility Registry ID:	110000478689
Air Operating Status Code:	OPR
Default Air Classification Code:	MIN
Air Program:	State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date:	1999-01-27 00:00:00
Activity Status Date:	Not Reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not Reported

Region Code:	09
Programmatic ID:	AIR CASDS0000607300058
Facility Registry ID:	110000478689
Air Operating Status Code:	OPR
Default Air Classification Code:	MIN
Air Program:	State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date:	2000-03-30 00:00:00
Activity Status Date:	Not Reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not Reported

Region Code:	09
Programmatic ID:	AIR CASDS0000607300058
Facility Registry ID:	110000478689
Air Operating Status Code:	OPR
Default Air Classification Code:	MIN
Air Program:	State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date:	2001-08-16 00:00:00
Activity Status Date:	Not Reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation

SIGNET ARMORLITE, INC., 1001 ARMORLITE DRIVE, SAN MARCOS, CA, 92069 (Continued)

Activity Status:	Not Reported

Region Code:	09
Programmatic ID:	AIR CASDS0000607300058
Facility Registry ID:	110000478689
Air Operating Status Code:	OPR
Default Air Classification Code:	MIN
Air Program:	State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date:	2001-12-21 00:00:00
Activity Status Date:	Not Reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not Reported

Region Code:	09
Programmatic ID:	AIR CASDS0000607300058
Facility Registry ID:	110000478689
Air Operating Status Code:	OPR
Default Air Classification Code:	MIN
Air Program:	State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date:	2003-01-22 00:00:00
Activity Status Date:	Not Reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not Reported

Region Code:	09
Programmatic ID:	AIR CASDS0000607300058
Facility Registry ID:	110000478689
Air Operating Status Code:	OPR
Default Air Classification Code:	MIN
Air Program:	State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date:	2007-06-12 00:00:00
Activity Status Date:	Not Reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not Reported

Region Code:	09
Programmatic ID:	AIR CASDS0000607300058
Facility Registry ID:	110000478689
Air Operating Status Code:	OPR
Default Air Classification Code:	MIN
Air Program:	State Implementation Plan for National Primary and Secondary Ambient Air Quality

SIGNET ARMORLITE, INC., 1001 ARMORLITE DRIVE, SAN MARCOS, CA, 92069 (Continued)

	Standards
Activity Date:	2009-02-12 00:00:00
Activity Status Date:	Not Reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not Reported

Region Code:	09
Programmatic ID:	AIR CASDS0000607300058
Facility Registry ID:	110000478689
Air Operating Status Code:	OPR
Default Air Classification Code:	MIN
Air Program:	State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date:	1994-03-28 00:00:00
Activity Status Date:	1994-03-28 00:00:00
Activity Group:	Enforcement Action
Activity Type:	Administrative - Formal
Activity Status:	Final Order Issued

Region Code:	09
Programmatic ID:	AIR CASDS0000607300058
Facility Registry ID:	110000478689
Air Operating Status Code:	OPR
Default Air Classification Code:	MIN
Air Program:	State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date:	1994-03-21 00:00:00
Activity Status Date:	1994-03-21 00:00:00
Activity Group:	Enforcement Action
Activity Type:	Administrative - Informal
Activity Status:	Achieved

Region Code:	09
Programmatic ID:	AIR CASDS0000607300058
Facility Registry ID:	110000478689
Air Operating Status Code:	OPR
Default Air Classification Code:	MIN
Air Program:	Title V Permits
Activity Date:	1997-02-12 00:00:00
Activity Status Date:	Not Reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not Reported

Region Code:	09
Programmatic ID:	AIR CASDS0000607300058

SIGNET ARMORLITE, INC., 1001 ARMORLITE DRIVE, SAN MARCOS, CA, 92069 (Continued)

Facility Registry ID:	110000478689
Air Operating Status Code:	OPR
Default Air Classification Code:	MIN
Air Program:	Title V Permits
Activity Date:	1998-01-21 00:00:00
Activity Status Date:	Not Reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not Reported

Region Code:	09
Programmatic ID:	AIR CASDS0000607300058
Facility Registry ID:	110000478689
Air Operating Status Code:	OPR
Default Air Classification Code:	MIN
Air Program:	Title V Permits
Activity Date:	1999-01-27 00:00:00
Activity Status Date:	Not Reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not Reported

Region Code:	09
Programmatic ID:	AIR CASDS0000607300058
Facility Registry ID:	110000478689
Air Operating Status Code:	OPR
Default Air Classification Code:	MIN
Air Program:	Title V Permits
Activity Date:	2000-03-30 00:00:00
Activity Status Date:	Not Reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not Reported

Region Code:	09
Programmatic ID:	AIR CASDS0000607300058
Facility Registry ID:	110000478689
Air Operating Status Code:	OPR
Default Air Classification Code:	MIN
Air Program:	Title V Permits
Activity Date:	2001-03-01 00:00:00
Activity Status Date:	Not Reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not Reported

SIGNET ARMORLITE, INC., 1001 ARMORLITE DRIVE, SAN MARCOS, CA, 92069 (Continued)

Region Code:	09
Programmatic ID:	AIR CASDS0000607300058
Facility Registry ID:	110000478689
Air Operating Status Code:	OPR
Default Air Classification Code:	MIN
Air Program:	Title V Permits
Activity Date:	2001-12-21 00:00:00
Activity Status Date:	Not Reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not Reported

Region Code:	09
Programmatic ID:	AIR CASDS0000607300058
Facility Registry ID:	110000478689
Air Operating Status Code:	OPR
Default Air Classification Code:	MIN
Air Program:	Title V Permits
Activity Date:	2003-01-22 00:00:00
Activity Status Date:	Not Reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not Reported

Region Code:	09
Programmatic ID:	AIR CASDS0000607300058
Facility Registry ID:	110000478689
Air Operating Status Code:	OPR
Default Air Classification Code:	MIN
Air Program:	Title V Permits
Activity Date:	2003-04-21 00:00:00
Activity Status Date:	Not Reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not Reported

Region Code:	09
Programmatic ID:	AIR CASDS0000607300058
Facility Registry ID:	110000478689
Air Operating Status Code:	OPR
Default Air Classification Code:	MIN
Air Program:	Title V Permits
Activity Date:	2003-09-22 00:00:00
Activity Status Date:	Not Reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation

SIGNET ARMORLITE, INC., 1001 ARMORLITE DRIVE, SAN MARCOS, CA, 92069 (Continued)

Activity Status:	Not Reported

Region Code:	09
Programmatic ID:	AIR CASDS0000607300058
Facility Registry ID:	110000478689
Air Operating Status Code:	OPR
Default Air Classification Code:	MIN
Air Program:	Title V Permits
Activity Date:	2004-01-20 00:00:00
Activity Status Date:	Not Reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not Reported

Region Code:	09
Programmatic ID:	AIR CASDS0000607300058
Facility Registry ID:	110000478689
Air Operating Status Code:	OPR
Default Air Classification Code:	MIN
Air Program:	Title V Permits
Activity Date:	2005-03-01 00:00:00
Activity Status Date:	Not Reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not Reported

Region Code:	09
Programmatic ID:	AIR CASDS0000607300058
Facility Registry ID:	110000478689
Air Operating Status Code:	OPR
Default Air Classification Code:	MIN
Air Program:	Title V Permits
Activity Date:	2005-03-08 00:00:00
Activity Status Date:	Not Reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not Reported

Region Code:	09
Programmatic ID:	AIR CASDS0000607300058
Facility Registry ID:	110000478689
Air Operating Status Code:	OPR
Default Air Classification Code:	MIN
Air Program:	Title V Permits
Activity Date:	2005-03-09 00:00:00
Activity Status Date:	Not Reported

SIGNET ARMORLITE, INC., 1001 ARMORLITE DRIVE, SAN MARCOS, CA, 92069 (Continued)

Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not Reported

Region Code:	09
Programmatic ID:	AIR CASDS0000607300058
Facility Registry ID:	110000478689
Air Operating Status Code:	OPR
Default Air Classification Code:	MIN
Air Program:	Title V Permits
Activity Date:	2005-07-08 00:00:00
Activity Status Date:	Not Reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not Reported

Region Code:	09
Programmatic ID:	AIR CASDS0000607300058
Facility Registry ID:	110000478689
Air Operating Status Code:	OPR
Default Air Classification Code:	MIN
Air Program:	Title V Permits
Activity Date:	2006-01-26 00:00:00
Activity Status Date:	Not Reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not Reported

Region Code:	09
Programmatic ID:	AIR CASDS0000607300058
Facility Registry ID:	110000478689
Air Operating Status Code:	OPR
Default Air Classification Code:	MIN
Air Program:	Title V Permits
Activity Date:	2007-06-12 00:00:00
Activity Status Date:	Not Reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not Reported

CORTESE: Other Ascertainable Records

Name:	ARMORLITE INC
Address:	1001 ARMORLITE DR

SIGNET ARMORLITE, INC., 1001 ARMORLITE DRIVE, SAN MARCOS, CA, 92069 (Continued)

City,State,Zip:	SAN MARCOS, CA 920691431
Region:	CORTESE
Envirostor Id:	Not Reported
Global ID:	T0607302793
Site/Facility Type:	LUST CLEANUP SITE
Cleanup Status:	COMPLETED - CASE CLOSED
Status Date:	Not Reported
Site Code:	Not Reported
Latitude:	Not Reported
Longitude:	Not Reported
Owner:	Not Reported
Enf Type:	Not Reported
Swat R:	Not Reported
Flag:	active
Order No:	Not Reported
Waste Discharge System No:	Not Reported
Effective Date:	Not Reported
Region 2:	Not Reported
WID Id:	Not Reported
Solid Waste Id No:	Not Reported
Waste Management Uit Name:	Not Reported
File Name:	Active Open

EMI: Other Ascertainable Records

Name:	SIGNET ARMORLITE
Address:	1001 ARMORLITE DR
City,State,Zip:	SAN MARCOS, CA 92069
Year:	1997
County Code:	37
Air Basin:	SD
Facility ID:	172
Air District Name:	SD
SIC Code:	3851
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not Reported
Consolidated Emission Reporting Rule:	Not Reported
Total Organic Hydrocarbon Gases Tons/Yr:	42
Reactive Organic Gases Tons/Yr:	2
Carbon Monoxide Emissions Tons/Yr:	1
NOX - Oxides of Nitrogen Tons/Yr:	1
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and	0

SIGNET ARMORLITE, INC., 1001 ARMORLITE DRIVE, SAN MARCOS, CA, 92069 (Continued)

Smllr Tons/Yr:

Name:	SIGNET ARMORLITE
Address:	1001 ARMORLITE DR
City,State,Zip:	SAN MARCOS, CA 92069
Year:	1998
County Code:	37
Air Basin:	SD
Facility ID:	172
Air District Name:	SD
SIC Code:	3851
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not Reported
Consolidated Emission Reporting Rule:	Not Reported
Total Organic Hydrocarbon Gases Tons/Yr:	42
Reactive Organic Gases Tons/Yr:	2
Carbon Monoxide Emissions Tons/Yr:	1
NOX - Oxides of Nitrogen Tons/Yr:	1
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Name:	SIGNET ARMORLITE
Address:	1001 ARMORLITE DR
City,State,Zip:	SAN MARCOS, CA 92069
Year:	1999
County Code:	37
Air Basin:	SD
Facility ID:	172
Air District Name:	SD
SIC Code:	3851
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not Reported
Consolidated Emission Reporting Rule:	Not Reported
Total Organic Hydrocarbon Gases Tons/Yr:	42
Reactive Organic Gases Tons/Yr:	2
Carbon Monoxide Emissions Tons/Yr:	1
NOX - Oxides of Nitrogen Tons/Yr:	1
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0

SIGNET ARMORLITE, INC., 1001 ARMORLITE DRIVE, SAN MARCOS, CA, 92069 (Continued)

Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Name:	SIGNET ARMORLITE
Address:	1001 ARMORLITE DR
City,State,Zip:	SAN MARCOS, CA 92069
Year:	2000
County Code:	37
Air Basin:	SD
Facility ID:	172
Air District Name:	SD
SIC Code:	3851
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not Reported
Consolidated Emission Reporting Rule:	Not Reported
Total Organic Hydrocarbon Gases Tons/Yr:	42
Reactive Organic Gases Tons/Yr:	2
Carbon Monoxide Emissions Tons/Yr:	1
NOX - Oxides of Nitrogen Tons/Yr:	1
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Name:	SIGNET ARMORLITE
Address:	1001 ARMORLITE DR
City,State,Zip:	SAN MARCOS, CA 92069
Year:	2001
County Code:	37
Air Basin:	SD
Facility ID:	172
Air District Name:	SD
SIC Code:	3851
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Y
Consolidated Emission Reporting Rule:	Not Reported
Total Organic Hydrocarbon Gases Tons/Yr:	20
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0

SIGNET ARMORLITE, INC., 1001 ARMORLITE DRIVE, SAN MARCOS, CA, 92069 (Continued)

Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Name:	SIGNET ARMORLITE
Address:	1001 ARMORLITE DR
City,State,Zip:	SAN MARCOS, CA 92069
Year:	2002
County Code:	37
Air Basin:	SD
Facility ID:	172
Air District Name:	SD
SIC Code:	3851
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not Reported
Consolidated Emission Reporting Rule:	Not Reported
Total Organic Hydrocarbon Gases Tons/Yr:	20
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Name:	SIGNET ARMORLITE
Address:	1001 ARMORLITE DR
City,State,Zip:	SAN MARCOS, CA 92069
Year:	2003
County Code:	37
Air Basin:	SD
Facility ID:	172
Air District Name:	SD
SIC Code:	3851
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not Reported
Consolidated Emission Reporting Rule:	Not Reported
Total Organic Hydrocarbon Gases Tons/Yr:	20
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0

SIGNET ARMORLITE, INC., 1001 ARMORLITE DRIVE, SAN MARCOS, CA, 92069 (Continued)

Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Name:	SIGNET ARMORLITE
Address:	1001 ARMORLITE DR
City,State,Zip:	SAN MARCOS, CA 92069
Year:	2004
County Code:	37
Air Basin:	SD
Facility ID:	172
Air District Name:	SD
SIC Code:	3851
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Y
Consolidated Emission Reporting Rule:	Not Reported
Total Organic Hydrocarbon Gases Tons/Yr:	20.256239
Reactive Organic Gases Tons/Yr:	0.405522
Carbon Monoxide Emissions Tons/Yr:	0.008736
NOX - Oxides of Nitrogen Tons/Yr:	0.0104
SOX - Oxides of Sulphur Tons/Yr:	0.0000624
Particulate Matter Tons/Yr:	0.0007904
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0.0007904

Name:	SIGNET ARMORLITE INC
Address:	1001 ARMORLITE DR
City,State,Zip:	SAN MARCOS, CA 92069
Year:	2005
County Code:	37
Air Basin:	SD
Facility ID:	172
Air District Name:	SD
SIC Code:	3851
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not Reported
Consolidated Emission Reporting Rule:	Not Reported
Total Organic Hydrocarbon Gases Tons/Yr:	20.19114
Reactive Organic Gases Tons/Yr:	17.165132
Carbon Monoxide Emissions Tons/Yr:	.00874
NOX - Oxides of Nitrogen Tons/Yr:	.01
SOX - Oxides of Sulphur Tons/Yr:	.0000624
Particulate Matter Tons/Yr:	.00079

SIGNET ARMORLITE, INC., 1001 ARMORLITE DRIVE, SAN MARCOS, CA, 92069 (Continued)

Part. Matter 10 Micrometers and Smllr Tons/Yr:	.00079

Name:	SIGNET ARMORLITE INC
Address:	1001 ARMORLITE DR
City,State,Zip:	SAN MARCOS, CA 92069
Year:	2006
County Code:	37
Air Basin:	SD
Facility ID:	172
Air District Name:	SD
SIC Code:	3851
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not Reported
Consolidated Emission Reporting Rule:	Not Reported
Total Organic Hydrocarbon Gases Tons/Yr:	12.98068055
Reactive Organic Gases Tons/Yr:	11.064925775
Carbon Monoxide Emissions Tons/Yr:	.00628998
NOX - Oxides of Nitrogen Tons/Yr:	.0116351
SOX - Oxides of Sulphur Tons/Yr:	.00004161
Particulate Matter Tons/Yr:	.00058958
Part. Matter 10 Micrometers and Smllr Tons/Yr:	.00058958

Name:	SIGNET ARMORLITE INC
Address:	1001 ARMORLITE DR
City,State,Zip:	SAN MARCOS, CA 92069
Year:	2007
County Code:	37
Air Basin:	SD
Facility ID:	172
Air District Name:	SD
SIC Code:	3851
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not Reported
Consolidated Emission Reporting Rule:	Not Reported
Total Organic Hydrocarbon Gases Tons/Yr:	12.980686
Reactive Organic Gases Tons/Yr:	11.064931
Carbon Monoxide Emissions Tons/Yr:	.006291
NOX - Oxides of Nitrogen Tons/Yr:	.01164
SOX - Oxides of Sulphur Tons/Yr:	.0000416
Particulate Matter Tons/Yr:	.0005899

SIGNET ARMORLITE, INC., 1001 ARMORLITE DRIVE, SAN MARCOS, CA, 92069 (Continued)

Part. Matter 10 Micrometers and Smllr Tons/Yr:	.0005899

Name:	SIGNET ARMORLITE INC
Address:	1001 ARMORLITE DR
City,State,Zip:	SAN MARCOS, CA 92069
Year:	2008
County Code:	37
Air Basin:	SD
Facility ID:	172
Air District Name:	SD
SIC Code:	3851
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not Reported
Consolidated Emission Reporting Rule:	Not Reported
Total Organic Hydrocarbon Gases Tons/Yr:	9.110686
Reactive Organic Gases Tons/Yr:	7.786267
Carbon Monoxide Emissions Tons/Yr:	.006291
NOX - Oxides of Nitrogen Tons/Yr:	.01164
SOX - Oxides of Sulphur Tons/Yr:	.0000416
Particulate Matter Tons/Yr:	.0005899
Part. Matter 10 Micrometers and Smllr Tons/Yr:	.0005899

ENF: Other Ascertainable Records

Name:	SIGNET ARMORLITE
Address:	1001 ARMORLITE DR
City,State,Zip:	SAN MARCOS, CA 92069
Region:	9
Facility Id:	257031
Agency Name:	Signet Armorlite
Place Type:	Facility
Place Subtype:	Not Reported
Facility Type:	All other facilities
Agency Type:	Privately-Owned Business
# Of Agencies:	1
Place Latitude:	33.146831
Place Longitude:	-117.189715
SIC Code 1:	Not Reported
SIC Desc 1:	Not Reported
SIC Code 2:	Not Reported
SIC Desc 2:	Not Reported
SIC Code 3:	Not Reported

SIGNET ARMORLITE, INC., 1001 ARMORLITE DRIVE, SAN MARCOS, CA, 92069 (Continued)

SIC Desc 3:	Not Reported
NAICS Code 1:	Not Reported
NAICS Desc 1:	Not Reported
NAICS Code 2:	Not Reported
NAICS Desc 2:	Not Reported
NAICS Code 3:	Not Reported
NAICS Desc 3:	Not Reported
# Of Places:	1
Source Of Facility:	Reg Meas
Design Flow:	Not Reported
Threat To Water Quality:	Not Reported
Complexity:	Not Reported
Pretreatment:	Not Reported
Facility Waste Type:	Not Reported
Facility Waste Type 2:	Not Reported
Facility Waste Type 3:	Not Reported
Facility Waste Type 4:	Not Reported
Program:	SLIC
Program Category1:	TANKS
Program Category2:	TANKS
# Of Programs:	1
WDID:	9 000274N97
Reg Measure Id:	161243
Reg Measure Type:	Unregulated
Region:	9
Order #:	Not Reported
Npdes# CA#:	Not Reported
Major-Minor:	Not Reported
Npdes Type:	Not Reported
Reclamation:	Not Reported
Dredge Fill Fee:	Not Reported
301H:	Not Reported
Application Fee Amt Received:	Not Reported
Status:	Never Active
Status Date:	02/20/2013
Effective Date:	Not Reported
Expiration/Review Date:	Not Reported
Termination Date:	Not Reported
WDR Review - Amend:	Not Reported
WDR Review - Revise/Renew:	Not Reported
WDR Review - Rescind:	Not Reported
WDR Review - No Action Required:	Not Reported
WDR Review - Pending:	Not Reported
WDR Review - Planned:	Not Reported
Status Enrollee:	N
Individual/General:	I
Fee Code:	Not Reported

SIGNET ARMORLITE, INC., 1001 ARMORLITE DRIVE, SAN MARCOS, CA, 92069 (Continued)

Direction/Voice:	Passive
Enforcement Id(EID):	233861
Region:	9
Order / Resolution Number:	UNKNOWN
Enforcement Action Type:	13267 Letter
Effective Date:	01/27/2000
Adoption/Issuance Date:	Not Reported
Achieve Date:	Not Reported
Termination Date:	Not Reported
ACL Issuance Date:	Not Reported
EPL Issuance Date:	Not Reported
Status:	Historical
Title:	Enforcement - 9 000274N97
Description:	Provide a time schedule for field activities for full delineation, vertical and horizontal, on-site and off-site, of ground water contamination from the Signet Armorlite facility.
Program:	SLIC
Latest Milestone Completion Date:	11/22/2000
# Of Programs1:	1
Total Assessment Amount:	0
Initial Assessed Amount:	0
Liability $ Amount:	0
Project $ Amount:	0
Liability $ Paid:	0
Project $ Completed:	0
Total $ Paid/Completed Amount:	0

Name:	SIGNET ARMORLITE
Address:	1001 ARMORLITE DR
City,State,Zip:	SAN MARCOS, CA 92069
Region:	9
Facility Id:	257031
Agency Name:	Signet Armorlite
Place Type:	Facility
Place Subtype:	Not Reported
Facility Type:	All other facilities
Agency Type:	Privately-Owned Business
# Of Agencies:	1
Place Latitude:	33.146831
Place Longitude:	-117.189715
SIC Code 1:	Not Reported
SIC Desc 1:	Not Reported
SIC Code 2:	Not Reported
SIC Desc 2:	Not Reported
SIC Code 3:	Not Reported

SIGNET ARMORLITE, INC., 1001 ARMORLITE DRIVE, SAN MARCOS, CA, 92069 (Continued)

SIC Desc 3:	Not Reported
NAICS Code 1:	Not Reported
NAICS Desc 1:	Not Reported
NAICS Code 2:	Not Reported
NAICS Desc 2:	Not Reported
NAICS Code 3:	Not Reported
NAICS Desc 3:	Not Reported
# Of Places:	1
Source Of Facility:	Reg Meas
Design Flow:	Not Reported
Threat To Water Quality:	Not Reported
Complexity:	Not Reported
Pretreatment:	Not Reported
Facility Waste Type:	Not Reported
Facility Waste Type 2:	Not Reported
Facility Waste Type 3:	Not Reported
Facility Waste Type 4:	Not Reported
Program:	SLIC
Program Category1:	TANKS
Program Category2:	TANKS
# Of Programs:	1
WDID:	9 000274N97
Reg Measure Id:	161243
Reg Measure Type:	Unregulated
Region:	9
Order #:	Not Reported
Npdes# CA#:	Not Reported
Major-Minor:	Not Reported
Npdes Type:	Not Reported
Reclamation:	Not Reported
Dredge Fill Fee:	Not Reported
301H:	Not Reported
Application Fee Amt Received:	Not Reported
Status:	Never Active
Status Date:	02/20/2013
Effective Date:	Not Reported
Expiration/Review Date:	Not Reported
Termination Date:	Not Reported
WDR Review - Amend:	Not Reported
WDR Review - Revise/Renew:	Not Reported
WDR Review - Rescind:	Not Reported
WDR Review - No Action Required:	Not Reported
WDR Review - Pending:	Not Reported
WDR Review - Planned:	Not Reported
Status Enrollee:	N
Individual/General:	I
Fee Code:	Not Reported

SIGNET ARMORLITE, INC., 1001 ARMORLITE DRIVE, SAN MARCOS, CA, 92069 (Continued)

Direction/Voice:	Passive
Enforcement Id(EID):	233171
Region:	9
Order / Resolution Number:	UNKNOWN
Enforcement Action Type:	13267 Letter
Effective Date:	05/19/1999
Adoption/Issuance Date:	Not Reported
Achieve Date:	7/22/1999
Termination Date:	Not Reported
ACL Issuance Date:	Not Reported
EPL Issuance Date:	Not Reported
Status:	Historical
Title:	Enforcement - 9 000274N97
Description:	Submit a workplan for full delineation, vertical and horizontal, on-site and off-site, of ground water contamination from the Signet Armorlite facility.
Program:	SLIC
Latest Milestone Completion Date:	7/22/1999
# Of Programs1:	1
Total Assessment Amount:	0
Initial Assessed Amount:	0
Liability $ Amount:	0
Project $ Amount:	0
Liability $ Paid:	0
Project $ Completed:	0
Total $ Paid/Completed Amount:	0

HAZNET: Other Ascertainable Records

Name:	MILANO HOLDING INC.
Address:	1001 ARMORLITE DR
Address 2:	Not Reported
City,State,Zip:	SAN MARCOS, CA 920691431
Contact:	ADAM STANFORD
Telephone:	2149301718
Mailing Name:	Not Reported
Mailing Address:	130 BIRMINGHAM DRIVE

Year:	2013
Gepaid:	CAC002717415
TSD EPA ID:	AZC950823111
CA Waste Code:	151 - Asbestos containing waste
Disposal Method:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Tons:	0.4

SIGNET ARMORLITE, INC., 1001 ARMORLITE DRIVE, SAN MARCOS, CA, 92069 (Continued)

Additional Info:

Year:	2013
Gen EPA ID:	CAC002717415
Shipment Date:	20130118
Creation Date:	6/7/2013 22:15:09
Receipt Date:	20130124
Manifest ID:	009506282JJK
Trans EPA ID:	CAL000160111
Trans Name:	ALLIANCE ENVIRONMENTAL GROUP
Trans 2 EPA ID:	CAR000049064
Trans 2 Name:	ECTI
TSDF EPA ID:	AZC950823111
Trans Name:	LA PAZ RECIAMATION SITE
TSDF Alt EPA ID:	Not Reported
TSDF Alt Name:	Not Reported
Waste Code Description:	151 - Asbestos-containing waste
RCRA Code:	Not Reported
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	0.4
Waste Quantity:	1
Quantity Unit:	Y
Additional Code 1:	Not Reported
Additional Code 2:	Not Reported
Additional Code 3:	Not Reported
Additional Code 4:	Not Reported
Additional Code 5:	Not Reported

HIST CORTESE: Other Ascertainable Records

edr_fname:	SIGNET ARMORLITE
edr_fadd1:	1001 ARMORLITE
City,State,Zip:	SAN MARCOS, CA 92069
Region:	CORTESE
Facility County Code:	37
Reg By:	LTNKA
Reg Id:	9UT493

HWP: Other Ascertainable Records

EPA ID:	CAD008362634

SIGNET ARMORLITE, INC., 1001 ARMORLITE DRIVE, SAN MARCOS, CA, 92069 (Continued)

Name:	SIGNET ARMORLITE INC
Address:	1001 ARMORLITE DR
Cleanup Status:	CLOSED
Latitude:	33.14554
Longitude:	-117.1853
Facility Type:	Historical - Non-Operating
Facility Size:	Not Reported
Supervisor:	Not Reported
Site Code:	400252
Senate District:	38
Assembly District:	75
Public Information Officer:	Not Reported
Commercial Offsite Facility Types:	Not Reported
Quarterly Update:	WB Lead Agency for corrective action: Signet Armorlite Inc. (SAI) is located at 1001 Armorlite Drive, San Marcos, in northern San Diego County. Land use in the immediate vicinity is industrial. An Interim Status Document was issued to the facility by the U.S. EPA on January 4, 1982, for storage and treatment of these RCRA units: (1) hazardous waste storage unit, (1) elementary neutralization unit, (1) methylene chloride still, and (1) methylene chloride evaporation unit. SAI was classified as a treatment, storage, and disposal facility (TSDF). On November 2, 1984, the Department of Health Services denied SAIs request for hazardous waste reclassification from a TSDF to generator status, due to storage of hazardous waste on-site for longer than 90 days. The primary operations generated waste streams from the manufacturing plastic eyeglass lenses, and included the storage of nonchlorinated waste solvents, sodium hydroxide and water, and chlorinated waste solvents. As a treatment facility, SAI utilized two recovery units: one carbon adsorption unit and one distillation unit. The units were used to recover methylene chloride. The facility was formally clean closed by the U.S. EPA in a letter dated June 30, 1992. Our records indicate that in December 1997, the facility was referred to the Regional Water Quality Control Board (RWQCB) San Diego Region, as the lead agency for corrective action at the facility. In a letter dated October 28, 2005, the DTSC formally acknowledged that the RWQCB is the lead agency for corrective action at the facility.
Project Manager Lead:	Not Reported
Project Manager:	Not Reported
Permit Type:	RCRA
Permit Effective Date:	Not Reported
Permit Expiration Date:	Not Reported
Calenviroscreen Score:	56-60%
Total Planned Hours:	Not Reported
Total Planned Amount:	Not Reported
Total Actual Hours:	Not Reported
Activities:	

EPA ID:	CAD008362634
Facility Type:	Historical - Non-Operating
Facility Name:	SIGNET ARMORLITE INC
Project Manager:	Not Reported
Project Manager Lead:	Not Reported
Supervisor:	Not Reported
Facility Status:	CLOSED
Activity Type:	New Operating Permit
Permit Being Renewed:	Not Reported

SIGNET ARMORLITE, INC., 1001 ARMORLITE DRIVE, SAN MARCOS, CA, 92069 (Continued)

Permit Being Modified:	Not Reported
Final Date:	1991-06-20 00:00:00
Type:	RCRA
Title Description:	Imported 12/2011:PERMIT1
Due Date:	Not Reported
Comments:	INTENDS/CLOSED ALL WASTE HANDLING FACILITY, INTENDS/CLOSED ALL WASTE HANDLING FACILITY, Approved Request
Unit Names:	Not Reported
Event Description:	New Operating Permit - FINAL PERMIT - WITHDRAWAL REQUEST RECEIVED
Actual Date:	12/07/1989

EPA ID:	CAD008362634
Facility Type:	Historical - Non-Operating
Facility Name:	SIGNET ARMORLITE INC
Project Manager:	Not Reported
Project Manager Lead:	Not Reported
Supervisor:	Not Reported
Facility Status:	CLOSED
Activity Type:	New Operating Permit
Permit Being Renewed:	Not Reported
Permit Being Modified:	Not Reported
Final Date:	1991-06-20 00:00:00
Type:	RCRA
Title Description:	Imported 12/2011:PERMIT1
Due Date:	Not Reported
Comments:	INTENDS/CLOSED ALL WASTE HANDLING FACILITY, INTENDS/CLOSED ALL WASTE HANDLING FACILITY, Approved Request
Unit Names:	Not Reported
Event Description:	New Operating Permit - FINAL PERMIT - WITHDRAWAL REQUEST ACKNOWLEDGED
Actual Date:	06/20/1991

EPA ID:	CAD008362634
Facility Type:	Historical - Non-Operating
Facility Name:	SIGNET ARMORLITE INC
Project Manager:	Not Reported
Project Manager Lead:	Not Reported
Supervisor:	Not Reported
Facility Status:	CLOSED
Activity Type:	New Operating Permit
Permit Being Renewed:	Not Reported
Permit Being Modified:	Not Reported
Final Date:	1991-06-20 00:00:00
Type:	RCRA
Title Description:	Imported 12/2011:PERMIT1
Due Date:	Not Reported
Comments:	Not Reported
Unit Names:	Not Reported

SIGNET ARMORLITE, INC., 1001 ARMORLITE DRIVE, SAN MARCOS, CA, 92069 (Continued)

Event Description:	New Operating Permit - APPLICATION PART A RECEIVED
Actual Date:	11/29/1989

Closure:

EPA ID:	CAD008362634
Facility Type:	Historical - Non-Operating
Facility Name:	SIGNET ARMORLITE INC
Project Manager:	Not Reported
Project Manager Lead:	Not Reported
Supervisor:	Not Reported
Facility Size:	Not Reported
Facility Status:	CLOSED
Activity Type:	Closure Final
Final Date:	Not Reported
Type:	RCRA
Title Description:	Closure
Due Date:	Not Reported
Comments:	Not Reported
Unit Names:	CONTAIN1, OTHRTRT1
Event Description:	Closure Final - RECEIVE CLOSURE CERTIFICATION
Actual Date:	06/18/1992

EPA ID:	CAD008362634
Facility Type:	Historical - Non-Operating
Facility Name:	SIGNET ARMORLITE INC
Project Manager:	Not Reported
Project Manager Lead:	Not Reported
Supervisor:	Not Reported
Facility Size:	Not Reported
Facility Status:	CLOSED
Activity Type:	Closure Final
Final Date:	Not Reported
Type:	RCRA
Title Description:	Closure
Due Date:	Not Reported
Comments:	Not Reported
Unit Names:	CONTAIN1, OTHRTRT1
Event Description:	Closure Final - ISSUE CLOSURE VERIFICATION
Actual Date:	06/30/1992

Alias:

EPA ID:	CAD008362634
Facility Type:	Historical - Non-Operating
Facility Name:	SIGNET ARMORLITE INC

SIGNET ARMORLITE, INC., 1001 ARMORLITE DRIVE, SAN MARCOS, CA, 92069 (Continued)

Facility Status:	CLOSED
Project Manager:	Not Reported
Project Manager Lead:	Not Reported
Supervisor:	Not Reported
Alias Type:	FRS
Alias:	110000478689

EPA ID:	CAD008362634
Facility Type:	Historical - Non-Operating
Facility Name:	SIGNET ARMORLITE INC
Facility Status:	CLOSED
Project Manager:	Not Reported
Project Manager Lead:	Not Reported
Supervisor:	Not Reported
Alias Type:	Project Code (Site Code)
Alias:	400252

SAN DIEGO CO LOP: Other Ascertainable Records

Name:	ARMORLITE INC
Address:	1001 ARMORLITE DR
City,State,Zip:	SAN MARCOS, CA 92069
Record ID:	DEH1993-LSAM-H02662-002
Record Status:	Completed
Opened Date:	09/15/1993
Parcel Number:	219-163-48-00
Case Type:	Not Reported
Historical Name:	SIGNET ARMORLITE
SWRCB Global ID:	SL209154190
Funding:	N - Non-Billable
Lead Agency:	RWQCB
Lead Agency Date:	09/15/1993
Census Tract:	200.29
Community:	San Marcos
Jurisdiction:	SAN MARCOS
Watershed Basin Number:	904.52
Water Purveyor:	VALLECITOS WATER DISTRICT
Fire Agency:	SAN MARCOS FIRE PROT DIST
Latitude:	33.1446094
Longitude:	-117.1860845
X MapCoord:	6275167.036
Y MapCoord:	1997583.948

Name:	ARMORLITE INC
Address:	1001 ARMORLITE DR

SIGNET ARMORLITE, INC., 1001 ARMORLITE DRIVE, SAN MARCOS, CA, 92069 (Continued)

City,State,Zip:	SAN MARCOS, CA 92069
Record ID:	DEH1986-LSAM-H02662-001
Record Status:	Completed
Opened Date:	08/22/1986
Parcel Number:	219-163-48-00
Case Type:	LOP - Local Oversight Program
Historical Name:	ARMORLITE INC
SWRCB Global ID:	T0607302793
Funding:	N - Non-Billable
Lead Agency:	RWQCB
Lead Agency Date:	04/10/1995
Census Tract:	200.29
Community:	San Marcos
Jurisdiction:	SAN MARCOS
Watershed Basin Number:	904.52
Water Purveyor:	VALLECITOS WATER IMP DIST NO 6 - SEWER SERVICE
Fire Agency:	SAN MARCOS FIRE PROTECTION DISTRICT
Latitude:	33.1446094
Longitude:	-117.1860845
X MapCoord:	6274903.34397328
Y MapCoord:	1997023.20319503

CIWQS: Other Ascertainable Records

Name:	SIGNET ARMORLITE INC
Address:	1001 ARMORLITE DR
City,State,Zip:	SAN MARCOS, CA 92069
Agency:	Signet Armorlite Essilor Labs of America
Agency Address:	PO Box 961389, El Paso, TX 79996
Place/Project Type:	Industrial - Ophthalmic Goods
SIC/NAICS:	3851
Region:	9
Program:	INDSTW
Regulatory Measure Status:	Terminated
Regulatory Measure Type:	Storm water industrial
Order Number:	2014-0057-DWQ
WDID:	9 37I001658
NPDES Number:	CAS000001
Adoption Date:	Not Reported
Effective Date:	03/27/1992
Termination Date:	03/31/2013
Expiration/Review Date:	Not Reported
Design Flow:	Not Reported
Major/Minor:	Not Reported
Complexity:	Not Reported
TTWQ:	Not Reported
Enforcement Actions within 5	0

SIGNET ARMORLITE, INC., 1001 ARMORLITE DRIVE, SAN MARCOS, CA, 92069 (Continued)

years:	
Violations within 5 years:	0
Latitude:	33.1469
Longitude:	-117.18977

CERS: Other Ascertainable Records

Name:	ARMORLITE INC
Address:	1001 ARMORLITE DR
City,State,Zip:	SAN MARCOS, CA 920691431
Site ID:	207455
CERS ID:	T0607302793
CERS Description:	Leaking Underground Storage Tank Cleanup Site
Affiliation:	
Affiliation Type Desc:	Local Agency Caseworker
Entity Name:	KEVIN HEATON - SAN DIEGO COUNTY LOP
Entity Title:	Not Reported
Affiliation Address:	P.O. Box 129261
Affiliation City:	San Diego
Affiliation State:	CA
Affiliation Country:	Not Reported
Affiliation Zip:	Not Reported
Affiliation Phone:	,

Name:	PROPOSED DAVIA VILLAGE
Address:	1001 ARMORLITE DRIVE
City,State,Zip:	SAN MARCOS, CA 92069
Site ID:	212080
CERS ID:	T10000003706
CERS Description:	Cleanup Program Site
Affiliation:	
Affiliation Type Desc:	Regional Board Caseworker
Entity Name:	SARAH A. MEARON - SAN DIEGO RWQCB (REGION 9)
Entity Title:	Not Reported
Affiliation Address:	2375 NORTHSIDE DRIVE, SUITE 100
Affiliation City:	SAN DIEGO
Affiliation State:	CA
Affiliation Country:	Not Reported
Affiliation Zip:	Not Reported
Affiliation Phone:	6195213363,

SIGNET ARMORLITE, INC., 1001 ARMORLITE DRIVE, SAN MARCOS, CA, 92069 (Continued)

Name:	SIGNET ARMORLITE
Address:	1001 ARMORLITE DR.
City,State,Zip:	SAN MARCOS, CA 920691431
Site ID:	494325
CERS ID:	110000478689
CERS Description:	US EPA Air Emission Inventory System (EIS)
Affiliation:	
Affiliation Type Desc:	Environmental Contact
Entity Name:	JOHN T HINGEY
Entity Title:	V.P. OF MANUFACTURING
Affiliation Address:	1001 ARMORLITE DRIVE
Affiliation City:	SANMARCOS
Affiliation State:	CA
Affiliation Country:	Not Reported
Affiliation Zip:	Not Reported
Affiliation Phone:	,

Name:	SIGNET ARMORLITE INC
Address:	1001 ARMORLITE DR
City,State,Zip:	SAN MARCOS, CA 920690000
Site ID:	610112
CERS ID:	80001570
CERS Description:	Corrective Action
Affiliation:	
Affiliation Type Desc:	Facility Contact
Entity Name:	PRASHANT SANTAN
Entity Title:	Not Reported
Affiliation Address:	130 BINGHAM DR
Affiliation City:	SAN MARCOS
Affiliation State:	CA
Affiliation Country:	Not Reported
Affiliation Zip:	920691402
Affiliation Phone:	7607444000,
Affiliation Type Desc:	Facility Owner
Entity Name:	EOA HOLDING CO INC
Entity Title:	Not Reported
Affiliation Address:	13555 N STEMMONS FWY
Affiliation City:	DALLAS
Affiliation State:	TX
Affiliation Country:	Not Reported

SIGNET ARMORLITE, INC., 1001 ARMORLITE DRIVE, SAN MARCOS, CA, 92069 (Continued)

Affiliation Zip:	752340000
Affiliation Phone:	7607444000,
Affiliation Type Desc:	Supervisor
Entity Name:	* Unknown
Entity Title:	Not Reported
Affiliation Address:	Not Reported
Affiliation City:	Not Reported
Affiliation State:	Not Reported
Affiliation Country:	Not Reported
Affiliation Zip:	Not Reported
Affiliation Phone:	,
Name:	MILANO HOLDINGS INC. (FORMER SIGNET ARMORLITE, INC.)
Address:	1001 ARMORLITE DRIVE
City,State,Zip:	SAN MARCOS, CA 92069
Site ID:	209533
CERS ID:	SL209154190
CERS Description:	Cleanup Program Site
Name:	SIGNET ARMORLITE INC
Address:	1001 ARMORLITE DR
City,State,Zip:	SAN MARCOS, CA 920690000
Site ID:	610112
CERS ID:	CAD008362634
CERS Description:	Hazardous Waste
Affiliation:	
Affiliation Type Desc:	Facility Contact
Entity Name:	PRASHANT SANTAN
Entity Title:	Not Reported
Affiliation Address:	130 BINGHAM DR
Affiliation City:	SAN MARCOS
Affiliation State:	CA
Affiliation Country:	Not Reported
Affiliation Zip:	920691402
Affiliation Phone:	7607444000,
Affiliation Type Desc:	Facility Owner
Entity Name:	EOA HOLDING CO INC
Entity Title:	Not Reported
Affiliation Address:	13555 N STEMMONS FWY
Affiliation City:	DALLAS
Affiliation State:	TX

SIGNET ARMORLITE, INC., 1001 ARMORLITE DRIVE, SAN MARCOS, CA, 92069 (Continued)

Affiliation Country:	Not Reported
Affiliation Zip:	752340000
Affiliation Phone:	7607444000,

Affiliation Type Desc:	Supervisor
Entity Name:	* Unknown
Entity Title:	Not Reported
Affiliation Address:	Not Reported
Affiliation City:	Not Reported
Affiliation State:	Not Reported
Affiliation Country:	Not Reported
Affiliation Zip:	Not Reported
Affiliation Phone:	,

HWTS: Other Ascertainable Records

Name:	MILANO HOLDING INC.
Address:	1001 ARMORLITE DR
Address 2:	Not Reported
City,State,Zip:	SAN MARCOS, CA 92069
EPA ID:	CAC002717415
Inactive Date:	04/18/2013
Create Date:	01/17/2013
Last Act Date:	Not Reported
Mailing Name:	Not Reported
Mailing Address:	130 BIRMINGHAM DRIVE
Mailing Address 2:	Not Reported
Mailing City,State,Zip:	SAN MARCOS, CA 92069
Owner Name:	MILANO HOLDING INC.
Owner Address:	130 BIRMINGHAM DRIVE
Owner Address 2:	Not Reported
Owner City,State,Zip:	SAN MARCOS, CA 92069
Contact Name:	ADAM STANFORD
Contact Address:	130 BIRMINGHAM DRIVE
Contact Address 2:	Not Reported
City,State,Zip:	SAN MARCOS, CA 92069
Facility Status:	Inactive
Facility Type:	TEMPORARY
Category:	STATE
Latitude:	33.14484
Longitude:	-117.184356

MAP FINDINGS

CREST BEVERAGE 1152 ARMORLITE DR, SAN MARCOS, CA, 92069			S102428480
Map ID: 53	Distance: N 1/10 - 1/3 (1632 ft. / 0.309 mi.)	Elevation: 16 ft. Higher Elevation 560 ft. Above Sea Level	Lists of state and tribal leaking storage tanks Local Lists of Hazardous waste / Contaminated Sites Local Lists of Registered Storage Tanks Other Ascertainable Records

Worksheet:

Database Details:

SAN DIEGO CO. SAM: Lists of state and tribal leaking storage tanks

Name:	SAN DIEGO UNION TRIBUNE
Address:	1152 ARMORLITE DR
City,State,Zip:	SAN MARCOS, CA 920691441
Case Number:	H20781-001
Agency:	DEH Site Assessment & Mitigation
Funding:	LOP - Federal Fund
Facility Type:	Drinking Water Aquifer Impacted
Facility Status:	Closed Case
Date:	5/31/1990
Date Began:	11/15/1988

LUST: Lists of state and tribal leaking storage tanks

Name:	SAN DIEGO UNION TRIBUNE
Address:	1152 ARMORLITE DR
City,State,Zip:	SAN MARCOS, CA 920691441
Lead Agency:	SAN DIEGO COUNTY LOP
Case Type:	LUST Cleanup Site
Geo Track:	http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0607300256
Global Id:	T0607300256
Latitude:	33.14619
Longitude:	-117.185708
Status:	Completed - Case Closed
Status Date:	05/31/1990
Case Worker:	Not Reported
RB Case Number:	9UT1422
Local Agency:	Not Reported
File Location:	Local Agency
Local Case Number:	H20781-001
Potential Media Affect:	Aquifer used for drinking water supply

CREST BEVERAGE, 1152 ARMORLITE DR, SAN MARCOS, CA, 92069 (Continued)

Potential Contaminants of Concern:	Gasoline
Site History:	Not Reported

LUST:

Global Id:	T0607300256
Action Type:	Other
Date:	03/27/1989
Action:	Leak Reported

Global Id:	T0607300256
Action Type:	Other
Date:	11/15/1988
Action:	Leak Began

Global Id:	T0607300256
Action Type:	Other
Date:	03/27/1989
Action:	Leak Stopped

Global Id:	T0607300256
Action Type:	Other
Date:	11/15/1988
Action:	Leak Discovery

LUST:

Global Id:	T0607300256
Status:	Open - Case Begin Date
Status Date:	11/15/1988

Global Id:	T0607300256
Status:	Completed - Case Closed
Status Date:	05/31/1990

LUST REG 9:

Region:	9
Status:	Case Closed
Case Number:	9UT1422
Local Case:	H20781-001
Substance:	Gasoline
Qty Leaked:	Not Reported

CREST BEVERAGE, 1152 ARMORLITE DR, SAN MARCOS, CA, 92069 (Continued)

Abate Method:	No Action Required - incident is minor, requiring no remedial action
Local Agency:	San Diego
How Found:	Tank Closure
How Stopped:	Close Tank
Source:	Not Reported
Cause:	Not Reported
Lead Agency:	Local Agency
Case Type:	Aquifer affected
Date Found:	03/27/1989
Date Stopped:	03/27/1989
Confirm Date:	03/27/1989
Submit Workplan:	Not Reported
Prelim Assess:	06/08/1989
Desc Pollution:	Not Reported
Remed Plan:	/ /
Remed Action:	Not Reported
Began Monitor:	Not Reported
Release Date:	06/08/1989
Enforce Date:	Not Reported
Closed Date:	5/31/90
Enforce Type:	Not Reported
Pilot Program:	LOP
Basin Number:	904.52
GW Depth:	10'
Beneficial Use:	Municipal groundwater use
NPDES Number:	Not Reported
Priority:	High priority
File Dispn:	File discarded, case closed
Interim Remedial Actions:	Yes
Cleanup and Abatement order Number:	Not Reported
Waste Discharge Requirement Number:	Not Reported

HMMD SAN DIEGO: Local Lists of Hazardous waste / Contaminated Sites

Name:	SAN DIEGO UNION TRIBUNE
Address:	1152 ARMORLITE DR
City,State,Zip:	SAN MARCOS, CA 92069
Permit Number:	120781
Business Type:	6HK15
EPA Id Number:	CAL912495571
APN:	219-162-19-00
Last HMMD Inspection:	09/08/1999
Facility Telephone:	858-752-6772
Permit Status:	INAC
Permit Expiration:	10/31/2004

CREST BEVERAGE, 1152 ARMORLITE DR, SAN MARCOS, CA, 92069 (Continued)

Date Last Updated:	11/02/2012
Facility Owner:	SAN DIEGO UNION TRIBUNE
Facility Mailing Address:	350 CAMINO DE LA REINA
Facility Mailing City:	SAN DIEGO
Facility Mailing State:	CA
Facility Mailing Zip:	92108-3003
UST Owner:	ARMORLITE ASSOCIATES
Handle Regulated Hazmat:	Not Reported
Own Or Operate UST:	Not Reported
Subject To APSA:	Not Reported
Generate Haz Waste:	Y
Treat Haz Waste:	Not Reported
Generate Medical Waste:	Not Reported
UST:	

UST Name:	UNDERGROUND TANK 120781 T001
Last Update:	2012-11-02 14:17:38
Permit Number:	120781
Tank Type:	DOUBLE WALL
Additional Id:	1
Capacity Gallons:	10000
UST Contents:	REGULAR UNLEADED
Other Content Info:	REGULAR UNLEADED
Reg Status:	REMOVED
Remove Close Date:	1989-03-27 00:00:00
Year Installed:	1985-01-01 00:00:00
Pipe Type:	LINED TRENCH
Delivery System:	PRESSURE
Monitor Code:	25
UST Monitor Method:	EXTERNAL MONITOR : CONTINUOUS VADOSE ZONE VAPOR MONITORS AND / OR WEEKLY (MINIMUM) VADOSE ZONE LIQUID MONITORING

UST Name:	UNDERGROUND TANK 120781 T002
Last Update:	2012-11-02 14:17:38
Permit Number:	120781
Tank Type:	DOUBLE WALL
Additional Id:	2
Capacity Gallons:	5000
UST Contents:	DIESEL
Other Content Info:	DIESEL
Reg Status:	REMOVED
Remove Close Date:	1989-03-27 00:00:00
Year Installed:	1985-01-01 00:00:00
Pipe Type:	LINED TRENCH
Delivery System:	PRESSURE
Monitor Code:	25
UST Monitor Method:	EXTERNAL MONITOR : CONTINUOUS VADOSE ZONE VAPOR MONITORS

CREST BEVERAGE, 1152 ARMORLITE DR, SAN MARCOS, CA, 92069 (Continued)

AND / OR WEEKLY (MINIMUM) VADOSE ZONE LIQUID MONITORING

SWEEPS UST: Local Lists of Registered Storage Tanks

Name:	SAN DIEGO UNION TRIBUNE
Address:	1152 ARMORLITE DR
City:	SAN MARCOS
Status:	Not Reported
Comp Number:	20781
Number:	Not Reported
Board Of Equalization:	44-023328
Referral Date:	Not Reported
Action Date:	Not Reported
Created Date:	Not Reported
Owner Tank Id:	Not Reported
SWRCB Tank Id:	37-000-020781-000001
Tank Status:	Not Reported
Capacity:	10000
Active Date:	Not Reported
Tank Use:	M.V. FUEL
STG:	PRODUCT
Content:	REG UNLEADED
Number Of Tanks:	2

Name:	SAN DIEGO UNION TRIBUNE
Address:	1152 ARMORLITE DR
City:	SAN MARCOS
Status:	Not Reported
Comp Number:	20781
Number:	Not Reported
Board Of Equalization:	44-023328
Referral Date:	Not Reported
Action Date:	Not Reported
Created Date:	Not Reported
Owner Tank Id:	Not Reported
SWRCB Tank Id:	37-000-020781-000002
Tank Status:	Not Reported
Capacity:	5000
Active Date:	Not Reported
Tank Use:	M.V. FUEL
STG:	PRODUCT
Content:	OTHER
Number Of Tanks:	Not Reported

Name: SAN DIEGO UNION TRIBUNE

CREST BEVERAGE, 1152 ARMORLITE DR, SAN MARCOS, CA, 92069 (Continued)

Address:	1152 ARMORLITE DR
City:	SAN MARCOS
Status:	Active
Comp Number:	20781
Number:	9
Board Of Equalization:	44-023328
Referral Date:	Not Reported
Action Date:	06-26-92
Created Date:	02-29-88
Owner Tank Id:	Not Reported
SWRCB Tank Id:	Not Reported
Tank Status:	Not Reported
Capacity:	Not Reported
Active Date:	Not Reported
Tank Use:	Not Reported
STG:	Not Reported
Content:	Not Reported
Number Of Tanks:	Not Reported

CORTESE: Other Ascertainable Records

Name:	SAN DIEGO UNION TRIBUNE
Address:	1152 ARMORLITE DR
City,State,Zip:	SAN MARCOS, CA 920691441
Region:	CORTESE
Envirostor Id:	Not Reported
Global ID:	T0607300256
Site/Facility Type:	LUST CLEANUP SITE
Cleanup Status:	COMPLETED - CASE CLOSED
Status Date:	Not Reported
Site Code:	Not Reported
Latitude:	Not Reported
Longitude:	Not Reported
Owner:	Not Reported
Enf Type:	Not Reported
Swat R:	Not Reported
Flag:	active
Order No:	Not Reported
Waste Discharge System No:	Not Reported
Effective Date:	Not Reported
Region 2:	Not Reported
WID Id:	Not Reported
Solid Waste Id No:	Not Reported
Waste Management Uit Name:	Not Reported
File Name:	Active Open

CREST BEVERAGE, 1152 ARMORLITE DR, SAN MARCOS, CA, 92069 (Continued)

HIST CORTESE: Other Ascertainable Records

edr_fname:	CREST BEVERAGE
edr_fadd1:	1152 ARMORLITE
City,State,Zip:	SAN MARCOS, CA 94608
Region:	CORTESE
Facility County Code:	37
Reg By:	LTNKA
Reg Id:	9UT1422

NPDES: Other Ascertainable Records

Name:	ARMORLITE DRIVE NEW NOI
Address:	1152 ARMORLITE DRIVE
City,State,Zip:	SAN MARCOS, CA 92069
Facility Status:	Not Reported
NPDES Number:	Not Reported
Region:	Not Reported
Agency Number:	Not Reported
Regulatory Measure ID:	Not Reported
Place ID:	Not Reported
Order Number:	Not Reported
WDID:	9 37C374345
Regulatory Measure Type:	Construction
Program Type:	Not Reported
Adoption Date Of Regulatory Measure:	Not Reported
Effective Date Of Regulatory Measure:	Not Reported
Termination Date Of Regulatory Measure:	Not Reported
Expiration Date Of Regulatory Measure:	Not Reported
Discharge Address:	Not Reported
Discharge Name:	Not Reported
Discharge City:	Not Reported
Discharge State:	Not Reported
Discharge Zip:	Not Reported
Status:	Terminated
Status Date:	09/15/2016
Operator Name:	San Marcos City
Operator Address:	1 Civic Center Dr
Operator City:	San Marcos
Operator State:	California
Operator Zip:	92069
NPDES as of 03/2018:	

CREST BEVERAGE, 1152 ARMORLITE DR, SAN MARCOS, CA, 92069 (Continued)

NPDES Number:	CAS000002
Status:	Terminated
Agency Number:	0
Region:	9
Regulatory Measure ID:	462853
Order Number:	2009-0009-DWQ
Regulatory Measure Type:	Enrollee
Place ID:	Not Reported
WDID:	9 37C374345
Program Type:	Construction
Adoption Date Of Regulatory Measure:	Not Reported
Effective Date Of Regulatory Measure:	10/20/2015
Expiration Date Of Regulatory Measure:	Not Reported
Termination Date Of Regulatory Measure:	09/15/2016
Discharge Name:	San Marcos City
Discharge Address:	1 Civic Center Dr
Discharge City:	San Marcos
Discharge State:	California
Discharge Zip:	92069
Received Date:	Not Reported
Processed Date:	Not Reported
Status:	Not Reported
Status Date:	Not Reported
Place Size:	Not Reported
Place Size Unit:	Not Reported
Contact:	Not Reported
Contact Title:	Not Reported
Contact Phone:	Not Reported
Contact Phone Ext:	Not Reported
Contact Email:	Not Reported
Operator Name:	Not Reported
Operator Address:	Not Reported
Operator City:	Not Reported
Operator State:	Not Reported
Operator Zip:	Not Reported
Operator Contact:	Not Reported
Operator Contact Title:	Not Reported
Operator Contact Phone:	Not Reported
Operator Contact Phone Ext:	Not Reported
Operator Contact Email:	Not Reported
Operator Type:	Not Reported
Developer:	Not Reported
Developer Address:	Not Reported
Developer City:	Not Reported
Developer State:	Not Reported

CREST BEVERAGE, 1152 ARMORLITE DR, SAN MARCOS, CA, 92069 (Continued)

Developer Zip:	Not Reported
Developer Contact:	Not Reported
Developer Contact Title:	Not Reported
Constype Linear Utility Ind:	Not Reported
Emergency Phone:	Not Reported
Emergency Phone Ext:	Not Reported
Constype Above Ground Ind:	Not Reported
Constype Below Ground Ind:	Not Reported
Constype Cable Line Ind:	Not Reported
Constype Comm Line Ind:	Not Reported
Constype Commertial Ind:	Not Reported
Constype Electrical Line Ind:	Not Reported
Constype Gas Line Ind:	Not Reported
Constype Industrial Ind:	Not Reported
Constype Other Description:	Not Reported
Constype Other Ind:	Not Reported
Constype Recons Ind:	Not Reported
Constype Residential Ind:	Not Reported
Constype Transport Ind:	Not Reported
Constype Utility Description:	Not Reported
Constype Utility Ind:	Not Reported
Constype Water Sewer Ind:	Not Reported
Dir Discharge Uswater Ind:	Not Reported
Receiving Water Name:	Not Reported
Certifier:	Not Reported
Certifier Title:	Not Reported
Certification Date:	Not Reported
Primary Sic:	Not Reported
Secondary Sic:	Not Reported
Tertiary Sic:	Not Reported

NPDES Number:	Not Reported
Status:	Not Reported
Agency Number:	Not Reported
Region:	9
Regulatory Measure ID:	462853
Order Number:	Not Reported
Regulatory Measure Type:	Construction
Place ID:	Not Reported
WDID:	9 37C374345
Program Type:	Not Reported
Adoption Date Of Regulatory Measure:	Not Reported
Effective Date Of Regulatory Measure:	Not Reported
Expiration Date Of Regulatory Measure:	Not Reported
Termination Date Of Regulatory	09/15/2016

CREST BEVERAGE, 1152 ARMORLITE DR, SAN MARCOS, CA, 92069 (Continued)

Measure:	
Discharge Name:	Not Reported
Discharge Address:	Not Reported
Discharge City:	Not Reported
Discharge State:	Not Reported
Discharge Zip:	Not Reported
Received Date:	10/07/2015
Processed Date:	10/20/2015
Status:	Terminated
Status Date:	09/15/2016
Place Size:	3.3
Place Size Unit:	Acres
Contact:	Reed Thornberry
Contact Title:	Not Reported
Contact Phone:	760-744-1050
Contact Phone Ext:	Not Reported
Contact Email:	rthornberry@san-marcos.net
Operator Name:	San Marcos City
Operator Address:	1 Civic Center Dr
Operator City:	San Marcos
Operator State:	California
Operator Zip:	92069
Operator Contact:	Reed Thornberry
Operator Contact Title:	Not Reported
Operator Contact Phone:	760-744-1050
Operator Contact Phone Ext:	Not Reported
Operator Contact Email:	rthornberry@san-marcos.net
Operator Type:	City/Town Agency
Developer:	San Marcos City
Developer Address:	1 Civic Center Dr
Developer City:	San Marcos
Developer State:	California
Developer Zip:	92069
Developer Contact:	Reed Thornberry
Developer Contact Title:	Not Reported
Constype Linear Utility Ind:	N
Emergency Phone:	Not Reported
Emergency Phone Ext:	Not Reported
Constype Above Ground Ind:	N
Constype Below Ground Ind:	N
Constype Cable Line Ind:	N
Constype Comm Line Ind:	N
Constype Commertial Ind:	N
Constype Electrical Line Ind:	N
Constype Gas Line Ind:	N
Constype Industrial Ind:	N
Constype Other Description:	Not Reported

CREST BEVERAGE, 1152 ARMORLITE DR, SAN MARCOS, CA, 92069 (Continued)

Constype Other Ind:	N
Constype Recons Ind:	N
Constype Residential Ind:	N
Constype Transport Ind:	N
Constype Utility Description:	Not Reported
Constype Utility Ind:	N
Constype Water Sewer Ind:	N
Dir Discharge Uswater Ind:	N
Receiving Water Name:	San Marcos Creek
Certifier:	Reed Thornberry
Certifier Title:	Stormwater Program Manager
Certification Date:	07-OCT-15
Primary Sic:	Not Reported
Secondary Sic:	Not Reported
Tertiary Sic:	Not Reported

Name:	ARMORLITE DRIVE WAIVER
Address:	1152 ARMORLITE DRIVE
City,State,Zip:	SAN MARCOS, CA 92069
Facility Status:	Not Reported
NPDES Number:	Not Reported
Region:	Not Reported
Agency Number:	Not Reported
Regulatory Measure ID:	Not Reported
Place ID:	Not Reported
Order Number:	Not Reported
WDID:	9 37W002088
Regulatory Measure Type:	Construction
Program Type:	Not Reported
Adoption Date Of Regulatory Measure:	Not Reported
Effective Date Of Regulatory Measure:	Not Reported
Termination Date Of Regulatory Measure:	Not Reported
Expiration Date Of Regulatory Measure:	Not Reported
Discharge Address:	Not Reported
Discharge Name:	Not Reported
Discharge City:	Not Reported
Discharge State:	Not Reported
Discharge Zip:	Not Reported
Status:	Expired
Status Date:	11/11/2015
Operator Name:	San Marcos City
Operator Address:	1 Civic Center Dr
Operator City:	San Marcos

CREST BEVERAGE, 1152 ARMORLITE DR, SAN MARCOS, CA, 92069 (Continued)

Operator State:	California
Operator Zip:	92069

SAN DIEGO CO LOP: Other Ascertainable Records

Name:	SAN DIEGO UNION TRIBUNE
Address:	1152 ARMORLITE DR
City,State,Zip:	SAN MARCOS, CA 92069
Record ID:	DEH1989-LSAM-H20781-001
Record Status:	Completed
Opened Date:	03/27/1989
Parcel Number:	219-162-19-00
Case Type:	LOP - Local Oversight Program
Historical Name:	CREST BEVERAGE COMPANY
SWRCB Global ID:	T0607300256
Funding:	F - LOP Federal Fund
Lead Agency:	DEH/SAM
Lead Agency Date:	05/19/1989
Census Tract:	200.29
Community:	San Marcos
Jurisdiction:	SAN MARCOS
Watershed Basin Number:	904.52
Water Purveyor:	VALLECITOS WATER DISTRICT
Fire Agency:	SAN MARCOS FIRE PROT DIST
Latitude:	33.1462048
Longitude:	-117.1857160
X MapCoord:	6275260.829
Y MapCoord:	1998101.993

CIWQS: Other Ascertainable Records

Name:	ARMORLITE DRIVE NEW NOI
Address:	1152 ARMORLITE DRIVE
City,State,Zip:	SAN MARCOS, CA 92069
Agency:	San Marcos City
Agency Address:	1 Civic Center Dr, San Marcos, CA 92069
Place/Project Type:	Construction
SIC/NAICS:	Not Reported
Region:	9
Program:	CONSTW
Regulatory Measure Status:	Terminated
Regulatory Measure Type:	Storm water construction
Order Number:	2009-0009-DWQ
WDID:	9 37C374345
NPDES Number:	CAS000002
Adoption Date:	Not Reported

CREST BEVERAGE, 1152 ARMORLITE DR, SAN MARCOS, CA, 92069 (Continued)

Effective Date:	10/20/2015
Termination Date:	09/15/2016
Expiration/Review Date:	Not Reported
Design Flow:	Not Reported
Major/Minor:	Not Reported
Complexity:	Not Reported
TTWQ:	Not Reported
Enforcement Actions within 5 years:	0
Violations within 5 years:	0
Latitude:	33.146205
Longitude:	-117.185716

CERS: Other Ascertainable Records

Name:	SAN DIEGO UNION TRIBUNE
Address:	1152 ARMORLITE DR
City,State,Zip:	SAN MARCOS, CA 920691441
Site ID:	237433
CERS ID:	T0607300256
CERS Description:	Leaking Underground Storage Tank Cleanup Site

Appendix G

Noise and Vibration Analysis Technical Report

Noise and Vibration Analysis Technical Report for the Marcos Specific Plan Project City of San Marcos, California

Prepared for:

AOA San Marcos, LLC
709 Randolph Avenue
Costa Mesa, California 92626
Contact: Chris Bennett

Prepared by:

DUDEK
605 Third Street
Encinitas, California 92024
Contacts: Cole Martin, INCE; Mark Storm, INCE Bd. Cert.

JUNE 2023

Printed on 30% post-consumer recycled material.

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Acronyms and Abbreviations

Acronym/Abbreviation	Definition
ACC	air-cooled condenser
ADT	average daily traffic
AUF	acoustical usage factor
Caltrans	California Department of Transportation
City	City of San Marcos
CNEL	Community Noise Equivalent Level
dB	decibel
dBA	A-weighted decibel
FHWA	Federal Highway Administration
FTA	Federal Transit Administration
HVAC	heating, ventilating, and air-conditioning
ips	inches per second
L_{dn}	day–night average noise level
L_{eq}	equivalent noise level
L_{max}	maximum sound level
L_{min}	minimum sound level
PPV	peak particle velocity
Project	Marcos Specific Plan
RCNM	Roadway Construction Noise Model
SF	square feet
SLM	sound level meter
SPL	sound pressure level
veh/hr	vehicles per hour

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1 Introduction and Background

This technical noise report evaluates the potential noise and vibration impacts during construction and operation of the proposed Marcos Specific Plan project (proposed Project, formerly known as Artist's Village). This assessment utilizes the significance thresholds in Appendix G of the California Environmental Quality Act Guidelines (14 CCR 15000 et seq.).

Project Description

The proposed Marcos Specific Plan Project (project) includes a request for approval of a Specific Plan, General Plan Amendment, Rezone, Site Development Plan, Multi-Family Site Development Plan, Conditional Use Permit, Tentative Subdivision Map, and a Tentative Parcel Map for a residential mixed-use development project within the 12.06-acre Specific Plan Area. The General Plan Amendment and Rezone would change the General Plan designation and Zoning from Commercial (C) to Specific Plan Area (SPA). The Marcos Specific Plan has been prepared with the intent to provide a comprehensive plan to ensure the efficient development of a multi-land use development. The Specific Plan serves as both a policy document and a regulatory document for the systematic implementation of the policies and goals of the General Plan.

The project site is located at the northwest corner of Grand Avenue and Linda Vista Drive in the City of San Marcos (APNs 219-152-42, -44, -45, -51, -61, -70, -74, -75, -76, -77, -78, -79). Please refer to Figure 1, Project Location and Figure 2, Project Site. The existing project site has been previously disturbed and developed. Previous structures on-site have been demolished, and the site currently is vacant with remaining paved areas, billboards, and the bridge crossing over Las Posas Creek. Channel improvement work associated with the segment of Las Posas Creek that runs through the project site, and the associated bridge over the channel, was previously permitted by the City of San Marcos, and the channel is currently subject to restoration maintenance activities following channel improvements within the permitted conservation easement area. The project site is located in an urban area of the City surrounded by commercial and industrial uses to the north, east, and west, as well as undeveloped land to the south. The project site is located just south of State Route 78.

The project consists of construction of 102 multi-family residential units on 5.03 acres of the project site, and construction of 7,658 square feet (sf) of office space, 49,266 sf of specialty retail space and 7 live-work units on 6.05 acres of the project site (Figure 3, Site Plan). Residential units would be contained within 15 townhome buildings, and units would be a mix of six different unit types, ranging in size from two- to three-bedrooms. Additionally, the residential area would include a pool building, pool and spa area, barbeque area, picnic area, and play area for residents. The residential buildings would be located on the northwestern portion of the site, and commercial uses would be placed along the southern and eastern project boundaries. Access to the residential area would be provided via Grand Avenue at a northern driveway, and access to the commercial area would be via Grand Avenue at a southern driveway and two driveways along Linda Vista Drive. The project would provide 204 garage parking spaces for residences, 34 residential guest parking spaces, and 278 commercial parking spaces.

Noise Characteristics

Sound is mechanical energy transmitted by pressure waves in a compressible medium, such as air. Noise is defined as sound that is loud, unpleasant, unexpected, or undesired. The sound pressure level (SPL) has become the most common descriptor used to characterize the loudness of an ambient sound level. The unit of measurement of sound pressure is a decibel (dB). Under controlled conditions in an acoustics laboratory, the trained, healthy human ear is able to discern changes in sound levels of 1 dB when exposed to steady, single-frequency signals in the mid-

frequency range. Outside such controlled conditions, the trained ear can detect changes of 2 dB in normal environmental noise. It is widely accepted that the average healthy ear, however, can barely perceive noise level changes of 3 dB. A change of 5 dB is readily perceptible, and an upward change of 10 dB is perceived as twice as loud (Caltrans 2013). A doubling of sound energy results in a 3 dB increase in sound, which means that a doubling of sound energy (e.g., doubling the number of ground vehicle daily trips along a given road segment) would result in a barely perceptible change in sound level.

Sound may be described in terms of level or amplitude (measured in dB), frequency or pitch (measured in hertz [Hz] or cycles per second), and duration (measured in seconds or minutes). Because the human ear is not equally sensitive to sound at all frequencies, a special frequency-dependent rating scale is used to relate noise to human sensitivity. The A-weighted decibel (dBA) scale performs this compensation by discriminating against low and very high frequencies in a manner approximating the sensitivity of the human ear.

Several descriptors of noise (noise metrics) exist to help predict average community reactions to the adverse effects of environmental noise, including traffic-generated noise. These descriptors include the equivalent noise level over a given period (L_{eq}), the day–night average noise level (L_{dn}), and the community noise equivalent level (CNEL). Each of these descriptors uses units of dBA.

L_{eq} is a decibel quantity that represents the constant or energy-averaged value equivalent to the amount of variable sound energy received by a receptor during a time interval. For example, a 1-hour L_{eq} measurement of 60 dBA would represent the average amount of energy contained in all the noise that occurred in that hour. L_{eq} is an effective noise descriptor because of its ability to assess the total time-varying effects of noise on sensitive receptors, which can then be compared to an established L_{eq} standard or threshold of the same duration. Another descriptor is maximum sound level (L_{max}), which is the greatest sound level measured during a designated time interval or event. The minimum sound level (L_{min}) is often called the *floor* of a measurement period.

Unlike the L_{eq}, L_{max}, and L_{min} metrics, L_{dn} and CNEL descriptors always represent 24-hour periods and differ from a 24-hour L_{eq} value because they apply a time-weighted factor designed to emphasize noise events that occur during the non-daytime hours (when speech and sleep disturbance is of more concern). *Time-weighted* refers to the fact that L_{dn} and CNEL penalize noise that occurs during certain sensitive periods. In the case of CNEL, noise occurring during the daytime (7:00 a.m. to 7:00 p.m.) receives no penalty. Noise during the evening (7:00 p.m. to 10:00 p.m.) is penalized by adding 5 dB, and nighttime (10:00 p.m. to 7:00 a.m.) noise is penalized by adding 10 dB. L_{dn} differs from CNEL in that the daytime period is longer (defined instead as 7:00 a.m. to 10:00 p.m.), thus eliminating the dB adjustment for the evening period. L_{dn} and CNEL are the predominant criteria used to measure roadway noise affecting residential receptors. These two metrics generally differ from one another by no more than 0.5–1 dB, and are often considered or actually defined as being essentially equivalent by many jurisdictions.

Vibration Fundamentals

Vibration is oscillatory movement of mass (typically a solid) over time. It is described in terms of frequency and amplitude and, unlike sound, can be expressed as displacement, velocity, or acceleration. For environmental studies, vibration is often studied as a velocity that, akin to the discussion of sound pressure levels, can also be expressed in dB as a way to cast a large range of quantities into a more convenient scale. Vibration impacts to buildings are generally discussed in terms of inches per second (ips) peak particle velocity (PPV), which will be used herein to discuss vibration levels for ease of reading and comparison with relevant standards. Vibration can also be annoying and thereby impact occupants of structures, and vibration of sufficient amplitude can disrupt sensitive equipment and processes (Caltrans 2020), such as those involving the use of electron microscopes and lithography equipment. Common sources of vibration within communities include construction activities and railroads.

Groundborne vibration generated by construction projects is usually highest during pile driving, rock blasting, soil compacting, jack hammering, and demolition-related activities where sudden releases of subterranean energy or powerful impacts of tools on hard materials occur. Depending on their distances to a sensitive receptor, operation of large bulldozers, graders, loaded dump trucks, or other heavy construction equipment and vehicles on a construction site also have the potential to cause high vibration amplitudes. The maximum vibration level standard used by the California Department of Transportation (Caltrans) for the prevention of structural damage to typical residential buildings is 0.3 ips PPV (Caltrans 2020).

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Figure 1 Project Location

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Figure 2 Project Site

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Figure 3 Site Plan

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2 Regulatory Setting

State

California Code of Regulations

California Government Code Section 65302(f) mandates that the legislative body of each county and city adopt a noise element as part of its comprehensive general plan. The local noise element must recognize the land use compatibility guidelines established by the State Department of Health Services. The guidelines rank noise land use compatibility in terms of "normally acceptable", "conditionally acceptable", "normally unacceptable", and "clearly unacceptable" noise levels for various land use types. Single-family homes are "normally acceptable" in exterior noise environments up to 60 dBA CNEL and "conditionally acceptable" up to 70 dBA CNEL. Multiple-family residential uses are "normally acceptable" up to dBA 65 CNEL and "conditionally acceptable" up to dBA 70 CNEL. Schools, libraries, and churches are "normally acceptable" up to 70 dBA CNEL, as are office buildings and business, commercial, and professional uses.

California Department of Transportation

In its Transportation and Construction Vibration Guidance Manual, Caltrans recommends a vibration velocity threshold of 0.2 ips PPV (Caltrans 2020) for assessing annoying vibration impacts to occupants of residential structures. Although this Caltrans guidance is not a regulation, it can serve as a quantified standard in the absence of such limits at the local jurisdictional level. Similarly, thresholds to assess building damage risk due to construction vibration vary with the type of structure and its fragility, but tend to range between 0.2 ips and 0.3 ips PPV for typical residential structures (Caltrans 2020).

Local

City of San Marcos Noise Level Compatibility Standards

The Noise Element of the *City of San Marcos General Plan* (City of San Marcos 2012) establishes target maximum noise levels in the City. Exhibit A (Table 7-3 of the Noise Element) depicts "acceptable," "conditionally acceptable," and "unacceptable" transportation-related exterior noise levels for the indicated land use designations.

With respect to commercial/industrial developments like the proposed Project, the Noise Element states: "the City should consider noise generation and potential impacts to surrounding development. New development can be made compatible with the noise environment by using noise and land use compatibility standards… as a guide for planning and development decisions. During the project design review process, the City can work with the project applicant to identify of potential impacts and reasonable mitigation measures. For example, the City can require an acoustical analysis for projects that will potentially generate noise that would affect sensitive receptors. These mitigation measures can include, but not be limited to, acoustically treated and/or quiet designs for furnaces, fans, motors, compressors, valves, pumps and other mechanical equipment. The City may also require limited delivery hours and/or hours of operation in order to reduce impacts to adjacent sensitive uses. In addition, all City departments must comply with State and federal OSHA standards. Any new equipment or vehicles purchased by the City will comply with local, State and federal noise standards."

Exhibit A. Reproduction of Table 7-3 from the City of San Marcos General Plan Noise Element

	Land Use Category	Exterior Noise Level (CNEL)					
		55	60	65	70	75	80
A	Residential—single family residences, mobile homes, senior/age-restricted housing						
B	Residential—multifamily residences, mixed use (residential/commercial)						
C	Lodging—hotels, motels						
D[2]	Schools, churches, hospitals, residential care facility, child care facilities						
E[2]	Passive recreational parks, nature preserves, contemplative spaces, cemeteries						
F[2]	Active parks, golf courses, athletic fields, outdoor spectator sports, water recreation						
G[2]	Office/professional, government, medical/dental, commercial, retail, laboratories						
H[2]	Industrial, manufacturing, utilities, agriculture, mining, stables, ranching, warehouse, maintenance/repair						

Acceptable - Specified land use is satisfactory, based upon the assumption that any buildings involved

Conditionally Acceptable - New construction or development should be undertaken only after a detailed noise analysis is conducted to determine if noise reduction measures are necessary to achieve acceptable levels for land use. Criteria for determining exterior and interior noise levels are listed in Table 7-4, Noise Standards. If a project cannot mitigate noise to a level deemed Acceptable, the appropriate County decision-maker must determine that mitigation has been provided to the greatest extent practicable or that extraordinary circumstances exist.

Unacceptable - New construction or development shall not be undertaken.

Source: City of San Marcos (2012)

Relevant City General Plan Noise Element policies include as follows:

- Policy N-1.1: Address the potential for excessive noise levels when making land use planning decisions in accordance with Table 7-3 Land Use Compatibility Noise Standards.
- Policy N-1.2: Ensure that acceptable noise levels are maintained near noise-sensitive uses.

- Policy N-1.4: Require new development projects to provide barriers to reduce noise levels, or provide sufficient spatial buffers to separate excessive noise generating land uses and noise-sensitive land uses.
- Policy N-1.5: Require an acoustical study for proposed developments in areas where the existing and projected noise level exceeds or would exceed the Normally Acceptable levels identified in Table 7-3.
- Policy N-3.4: Avoid excessive noise of commercial and industrial land uses through site and building design features.

The City's General Plan also specifies exterior noise level standards. Exhibit B (Table 7-4 of the Noise Element) depicts the exterior noise standards by the Land Use Category shown in Exhibit A.

Exhibit B Reproduction of Table 7-4 from the City of San Marcos General Plan Noise Element

1. The exterior noise level (as defined in Item 3) standard for Category A shall be 60 CNEL, and the interior noise level standard for indoor habitable rooms shall be 45 CNEL.
2. The exterior noise level standard for Categories B and C shall be 65 CNEL, and the interior noise level standard for indoor habitable rooms shall be 45 CNEL.
3. The exterior noise level standard for Categories D and G shall be 65 CNEL and the interior noise level standard shall be 50 dBA Leq (one hour average).
4. For single-family detached dwelling units, "exterior noise level" is defined as the noise level measured at an outdoor living area which adjoins and is on the same lot as the dwelling, and which contains at least the following minimum net lot area: (i) for lots less than 4,000 square feet in area, the exterior area shall include 400 square feet, (ii) for lots between 4,000 square feet to 10 acres in area, the exterior area shall include 10 percent of the lot area; (iii) for lots over 10 acres in area, the exterior area shall include 1 acre.
5. For all other residential land uses, "exterior noise level" is defined as noise measured at exterior areas which are provided for private or group usable open space purposes. "Private Usable Open Space" is defined as usable open space intended for use of occupants of one dwelling unit, normally including yards, decks, and balconies. When the noise limit for Private Usable Open Space cannot be met, then a Group Usable Open Space that meets the exterior noise level standard shall be provided. "Group Usable Open Space" is defined as usable open space intended for common use by occupants of a development, either privately owned and maintained or dedicated to a public agency, normally including swimming pools, recreation courts, patios, open landscaped areas, and greenbelts with pedestrian walkways and equestrian and bicycle trails, but not including off-street parking and loading areas or driveways
6. For non-residential noise sensitive land uses, exterior noise level is defined as noise measured at the exterior area provided for public use.
7. For noise sensitive land uses where people normally do not sleep at night, the exterior and interior noise standard may be measured using either CNEL or the one-hour average noise level determined at the loudest hour during the period when the facility is normally occupied.
8. The exterior noise standard does not apply for land uses where no exterior use area is proposed or necessary, such as a library.
9. For Categories E and F the exterior noise level standard shall not exceed the limit defined as "Acceptable" in by the City, or an equivalent one-hour noise standard.
(1) Exterior Noise Level compatibility guidelines for Land Use Categories A-H are identified in Table 3.11-6, Noise Compatibility Guidelines. Note: "Category(ies)" discussed in this table refer to lettered Land Use Category(ies) in Table 7-3 of this Element.

City of San Marcos Noise Ordinance

The City of San Marcos Municipal Code Chapter 10.24: Noise (San Marcos 2017) addresses construction noise. Erection and demolition of buildings is exempt between 7:00 a.m. and 6:00 p.m. Monday through Friday and on Saturdays from 8:00 a.m. to 5:00 p.m. The Municipal Codes does not set noise limits on construction activities. Commonly, the City has utilized the County of San Diego's Noise Ordinance construction noise limit of 75 dBA (8-hour average) as received by occupied properties. Treating construction noise as a type of non-transportation noise, this is supported by the following from Chapter 7 of the San Marcos General Plan (i.e., Noise Element): "San Marcos relies on the San Diego County Noise standards to regulate land use noise compatibility, transportation noise, and non-transportation noise" (City of San Marcos 2012).

Chapter 20.300 (Site Planning and General Development Standards) of the City's Municipal Code includes noise regulations in the form of noise standards by zone (Section 20.300.070, Performance Standards). It should be noted that Municipal Code noise standards typically pertain to stationary (i.e., non-transportation-related) noise sources. The relevant portions of these noise standards are provided below:

1. Noise shall be measured with a sound-level meter that meets the standards of the American National Standards Institute (ANSI) (Section S1.4-1979, Type 1 or Type 2). Noise levels shall be measured in decibels at the property line of the receptor property, and at least five (5) feet above the ground and ten (10) feet from the nearest structure or wall. The unit of measure shall be designated as an A-weighted decibel (dBA) L_{eq} standard. A calibration check shall be made of the instrument at the time any noise measurement is made (Ord. No. 2017-1446, 7-25-2017)

2. No person shall create or allow the creation of exterior noise that causes the noise level to exceed the noise standards established by Table 20.300-4 (shown in this report as Table 1). Increases in exterior noise levels listed in Table 20.300-4 are permitted but depend on cumulative duration of the increase within the measured hour. For instance, a 5 dB increase is allowed for up to fifteen (15) minutes within the hour, but a 10 dB increase above the limit is allowed for up to 5 cumulative minutes within that hour.

3. Use of compressors or other equipment, including vents, ducts, and conduits, but excluding window or wall-mounted air conditioners, that are located outside of the exterior walls of any building, shall be enclosed within a permanent, non-combustible, view-obscuring enclosure to ensure that the equipment does not emit noise in excess of the ANSI standards.

Table 1. City of San Marcos Exterior Noise Standards

Zone	Applicable Limit (decibels)	Time Period
Single-Family Residential (A, R-1, R-2) [1, 2]	60 50	7:00 a.m. to 10:00 p.m. 10:00 p.m. to 7:00 a.m.
Multifamily Residential (R-3) [1, 2]	65 55	7:00 a.m. to 10:00 p.m. 10:00 p.m. to 7:00 a.m.
Commercial (C, O-P, SR) [3]	65 55	7:00 a.m. to 10:00 p.m. 10:00 p.m. to 7:00 a.m.
Industrial	65 60	7:00 a.m. to 10:00 p.m. 10:00 p.m. to 7:00 a.m.

Source: San Marcos 2017 (Table 20.300-4)

Notes:

1. For single-family detached dwelling units, the "exterior noise level" is defined as the noise level measured at an outdoor living area which adjoins and is on the same lot as the dwelling, and which contains at least the following minimum net lot area: (i) for lots less than 4,000 square feet in area, the exterior area shall include 400 square feet, (ii) for lots between 4,000 square feet to 10 acres in area, the exterior area shall include 10 percent of the lot area; (iii) for lots over 10 acres in area, the exterior area shall include 1 acre.
2. For all other residential land uses, "exterior noise level" is defined as noise measured at exterior areas which are provided for private or group usable open space purposes. "Private Usable Open Space" is defined as usable open space intended for use of occupants of one dwelling unit, normally including yards, decks, and balconies. When the noise limit for Private Usable Open Space cannot be met, then a Group Usable Open Space that meets the exterior noise level standard shall be provided. "Group Usable Open Space" is defined as usable open space intended for common use by occupants of a development, either privately owned and maintained or dedicated to a public agency, normally including swimming pools, recreation courts, patios, open landscaped areas, and greenbelts with pedestrian walkways and equestrian and bicycle trails, but not including off-street parking and loading areas or driveways.
3. For non-residential noise sensitive land uses, exterior noise level is defined as noise measured at the exterior area provided for public use.

Marcos Specific Plan

The Marcos Specific Plan Section 2.6.7, Noise, establishes a limit on exterior noise levels at the Specific Plan boundary. The Specific Plan states that “noise attenuation techniques shall be employed, as needed, to ensure noise levels remain at or below 65 dBA L_{eq} at the specific plan boundary.” Further, the Specific Plan states that “each design feature and construction mitigation measure will conform the project to the City’s General Plan Noise Element requirements.”

The Marcos Specific Plan also addresses noise from events expected to be held at outdoor use spaces. Section 3.6.1.4, Events and Entertainment, (A.3) states that “events and entertainment may occur from 10 a.m. to 10 p.m. Noise Shall not exceed 65 dBA L_{eq} at the property line per SMMC 20.300.070E.”

3 Existing Conditions

Sound pressure level (SPL) measurements were conducted near the Project site on December 14, 2022, to quantify and characterize samples of the existing (a.k.a., baseline or pre-project) outdoor sound environment. Table 2 provides the location (and adjoining land use) and time at which these baseline noise level measurements were taken. The SPL measurements were performed by an attending Dudek field investigator using a Rion NL-52 sound level meter equipped with a 0.5-inch, pre-polarized condenser microphone with pre-amplifier. The sound level meter meets the current American National Standards Institute standard for a Type 1 (Precision Grade) sound level meter (SLM). The accuracy of the SLM was verified in the field using a reference sound signal (i.e., field calibrator) before and after the measurements, and the measurements were conducted with the microphone positioned approximately 5 feet above the ground.

Three short-term noise level measurement locations (ST1, ST2, and ST3) are depicted on Exhibit C. Table 2 presents L_{eq}, L_{max}, and L_{min} values for these surveyed positions, which were affected by the investigator-noted acoustical contributors as follows:

- ST1 – Traffic;
- ST2 – Traffic and distant industrial,
- ST3 – Traffic, birdsong, distant aircraft, and distant traffic.

As shown in Table 2, the measured sound levels ranged from approximately 64.0 dBA L_{eq} at ST2 to 76.7 dBA L_{eq} at ST1. Noise measurement data and photographs of the survey locations appear in Appendix A, Baseline Noise Measurement Field Data. These samples of daytime L_{eq} measured at the three representative receptor positions in Table 2 can be interpreted as approximations of CNEL, since evening SPL would likely be 5 dBA less, and nighttime SPL would be 10 dBA less than the daytime values (Federal Transit Administration [FTA] 2018).

Table 2. December 14, 2022 Measured Outdoor Ambient Sound Environment Samples

Survey Position	Location/Address	Start and End Time (hh:mm)	L_{eq} (dBA)	L_{max} (dBA)	L_{min} (dBA)
ST1	Northeast of the Project site, between Grand Ave. and CA-78	11:20 a.m. to 11:25 a.m.	76.7	84.8	70.5
ST2	Southern edge of the Project site, north of Linda Vista Dr.	11:35 a.m. to 11:50 a.m.	64.0	72.5	57.2
ST3	Adjacent to the building at 237 Via Vera Cruz, west of the Project site and east of Via Vera Cruz	11:40 a.m. to 11:50 a.m.	67.6	82.7	52.2

Source: Appendix A.
Notes: L_{eq} = equivalent continuous sound level (time-averaged sound level); L_{max} = maximum sound level during the measurement interval; dBA = A-weighted decibels; ST = short-term noise measurement locations.

Exhibit C. Baseline Outdoor Ambient Sound Level Measurement Positions

Sources: Google Earth 2022, Dudek 2022

4 Thresholds of Significance

The following significance criteria are based on Appendix G of the California Environmental Quality Act Guidelines (14 CCR 15000 et seq.) and will be used to determine the significance of potential noise impacts. Impacts to noise would be significant if the proposed project would result in the following:

a. Generation of a substantial temporary or permanent increase in ambient noise levels in the vicinity of the project in excess of standards established in the local general plan or noise ordinance, or applicable standards of other agencies
b. Generation of excessive groundborne vibration or groundborne noise levels
c. Expose people residing or working in the project area to excessive noise levels (for a project located within the vicinity of a private airstrip or an airport land use plan, or where such a plan has not been adopted, within 2 miles of a public airport or public use airport)

In light of these above significance criteria, this analysis uses the following standards to evaluate potential noise and vibration impacts.

- Construction noise – the City has adopted the County's construction noise threshold of not exceeding 75 dBA for an eight-hour period, between 7:00 a.m. and 7:00 p.m., when measured at any occupied property where the noise is being received.
- Off-site Project-attributed transportation noise – For purposes for this analysis, a direct roadway noise impact would be considered significant if increases in roadway traffic noise levels attributed to the proposed project were greater than 3 dBA CNEL at an existing noise-sensitive land use.
- Off-site Project-attributed stationary noise – For purposes for this analysis, a noise impact would be considered significant if noise from onsite Project sound sources, including typical operation of heating, ventilation, and air conditioning (HVAC), other electro-mechanical systems, as well as outdoor events, exceeded 65 dBA hourly L_{eq} at the property line from 7:00 a.m. to 10:00 p.m., and 55 dBA hourly L_{eq} from 10:00 p.m. to 7:00 a.m.
- Construction vibration – Guidance from Caltrans indicates that a vibration velocity level of 0.2 ips PPV received at a structure would be considered annoying by occupants within (Caltrans 2020). As for the receiving structure itself, aforementioned Caltrans guidance from Section 2 recommends that a vibration level of 0.3 ips PPV would represent the threshold for building damage risk.

5 Impact Discussion

a) Would the project result in generation of a substantial temporary or permanent increase in ambient noise levels in the vicinity of the project in excess of standards established in the local general plan or noise ordinance, or applicable standards of other agencies?

Short-Term Construction

Construction noise and vibration are temporary phenomena, varying from hour to hour and day to day, depending on the equipment in use, the operations performed, and the distance between the source and receptor. Equipment that would be in use during construction would include, in part, graders, scrapers, backhoes, rubber-tired dozers, loaders, cranes, forklifts, cement mixers, pavers, rollers, and air compressors. The typical maximum noise levels for various pieces of construction equipment at a distance of 50 feet are presented in Table 3. Usually, construction equipment operates in alternating cycles of full power and low power, which the Federal Highway Administration (FHWA) Roadway Construction Noise Model (RCNM) User's Guide (FHWA 2006) characterizes as "acoustical usage factor" (AUF) and thereby produces energy-average noise levels over time (L_{eq}) that are less than the listed maximum noise level (L_{max}). The average sound level of construction activity also depends on the amount of time that the equipment actually operates onsite.

Table 3. Typical Construction Equipment Maximum Noise Levels

FHWA RCNM Equipment Type	Acoustical Usage Factor (%)	Typical Equipment L_{max} (dBA at 50 Feet)	Typical Equipment L_{eq} (dBA at 50 Feet)
all other equipment > 5 HP	50	85	82
backhoe	40	78	74
compressor (air)	40	78	74
concrete mixer truck	40	79	75
crane	16	81	73
dozer	40	82	78
generator	50	72	69
grader	40	85	81
man lift	20	75	68
paver	50	77	74
roller	20	80	73
scraper	40	84	80
welder / torch	40	73	69

Source: FHWA 2006.
Note: L_{max} = maximum sound level; where L_{eq} = energy-equivalent sound level and can be calculated here with L_{eq} = L_{max} + 10*LOG(AUF); dBA = A-weighted decibels.

Using the provided construction information, prediction results are summarized in Table 4 at the nearest noise-sensitive receptor for two calculation scenarios as follows:

- Usage of the shortest activity-to-receptor distance for the loudest equipment type and quantity associated with the studied construction phase, with less noisy equipment types at successive distance increments of 50 feet; and

- An "acoustic centroid" approach, akin to the Federal Transit Administration (FTA) general assessment technique for estimating construction noise, whereby all listed equipment for a construction phases is represented by a common location at the geographic center of the studied construction zone or area.

The first of these methods is considered a conservative approach to assess what might be characterized as a peak exposure level, applicable to not more than approximately 10%–15% of the total construction period and when the studied construction activity is taking place with loudest equipment along the property boundary closest to these nearest off-site receivers. The second approach utilizes the acoustic centroid technique to represent a time-averaged location for the phase equipment and activity, thereby yielding average noise levels to represent overall noise exposure as experienced for adjacent receivers over the duration of each construction phase.

A Microsoft Excel–based noise prediction model emulating and using reference data from the FHWA RCNM (FHWA 2008) was used to estimate construction noise levels. (Although the RCNM was funded and promulgated by the Federal Highway Administration, it is often used for non-roadway projects, because the same types of construction equipment used for roadway projects are often used for other types of construction.) Input variables for the predictive modeling consist of the equipment type and number of each, the afore-mentioned AUF, the expected duration (in hours) of onsite activity, and the distance from the receiver. Conservatively, no topographical or structural shielding was assumed in the modeling.

Appendix B displays the construction noise model worksheets for each of these analysis approaches. Although the quantities and types of equipment per construction phase are the same in each of the two approaches, due primarily to the differences in source-to-receptor distance variables, Table 4 shows that prediction results of both scenarios.

Table 4. Predicted Construction Noise Levels per Activity Phase

Construction Phase (and Equipment Types Involved)	8-Hour L_{eq} Closest Distance to Nearest Noise Sensitive Receptor (dBA)		8-Hour L_{eq} Acoustic Center to Nearest Noise Sensitive Receptor (dBA)	
	Feet	dBA	Feet	dBA
Demolition (concrete saw, excavator, dozer)	1,120	51.0	1,310	57.9
Site preparation (dozer, tractor, front end loader, backhoe)	1,060	53.5	1,300	58.2
Grading (excavator, grader, dozer, tractor, front end loader, scraper)	1,060	54.5	1,300	58.9
Building construction (crane, man-lift, generator, tractor, front end loader, backhoe, welder/torch)	1,100	51.9	1,290	53.9
Paving (paver, paving equipment, roller)	1,090	55.2	1,350	57.5
Architectural coating (air compressor)	1,100	45.9	1,290	44.5

Notes: L_{eq} = equivalent noise level; dBA = A-weighted decibels.

As presented in Table 4, the estimated construction noise exposure levels for each of the five expected sequential phases are not predicted to exceed 75 dBA L_{eq} over an 8-hour period at the nearest noise sensitive receptors to the north of the Project site. The predicted construction noise levels ranging from 45 to 58 dBA L_{eq} over an 8-hour period at the nearest noise sensitive receptor are also comparable to (or less than) the measured baseline outdoor sound level of 64 dBA at survey position "ST2" shown in Table 2. For these reasons, temporary construction-related noise impacts would be considered **less than significant**.

Long-Term Operational

Off-Site Roadway Traffic Noise

The proposed Project would result in the creation of additional vehicle trips on local roadways (i.e., Linda Vista Drive, Grand Avenue, and Via Vera Cruz), which could result in increased traffic noise levels at adjacent noise-sensitive land uses. The Project is expected to generate a net total of 2,241 daily trips to the roadway system. As shown in Table 3.1 of the Project's Transportation Impact Study, during the PM peak-hour, approximately 189 vehicles are estimated to enter or exit the Project site. Utilizing this information, an emulator based on the FHWA's Highway Traffic Noise Prediction Model RD-77-108 was used to estimate potential noise impacts at adjacent noise-sensitive uses. Information used in the model included posted traffic speeds, truck mix percentage, and average daily traffic (ADT) volumes (expressed as vehicles per hour) for the existing, near-term year 2024 with and without Project, and horizon year 2050 with and without Project conditions.

ADT volumes for I-78 were obtained separately via the San Diego Association of Governments (SANDAG) Transportation Forecast Information Center (TFIC) for the existing (2016), near-term (2025), and horizon (2050) years. Existing (2022) and Near-Term (2024) ADT volumes for I-78 were derived by determining the yearly percentage increase or decrease in traffic using the information available from the TFIC.

Consistent with Caltrans guidance (Caltrans, 2013), this analysis assumes 80% of the ADT occurs during daytime hours (7:00 a.m. to 7:00 p.m.), 5% during the evening (7:00 p.m. to 10:00 p.m.), and 15% during the nighttime (10:00 p.m. to 7:00 a.m.). Appendix C, Traffic Noise Model Calculations, contains the input data and results of the traffic noise modeling effort. According to acoustical principles, the increase in traffic noise level relates directly to the increase in volumes by the following expression: $10*LOG(V_f/V_e)$, where V_f is the future traffic volume, V_e is the existing traffic volume, and vehicle speeds and proportion of vehicle types are essentially unchanged. The Project would therefore have to roughly double the traffic volumes on nearby studied roadway segments in order to increase traffic by 3 dBA, which would be considered a barely perceptible increase (Caltrans 2013).

Traffic noise levels were modeled at the same geographic positions for ST2 and ST3 as shown in Exhibit B. The traffic noise level for ST1 was predicted at the northwestern boundary of the Project site in order to be representative of the future residences located behind a proposed six-foot noise wall. The traffic noise model results are summarized in Table 5, and represented by CNEL values.

Table 5. Off-site Roadway Traffic Noise Modeling Results

Modeled Receiver Tag (and Location Description)	Existing (2022) Noise Level (CNEL)	Near-Term (2024) Without Project (CNEL)	Near-Term (2024) With Project (CNEL)	Project-Related Near-Term (2024) Noise Level Increase (dB)	Horizon (2050) Without Project (CNEL)	Horizon (2050) With Project (CNEL)	Project-Related Horizon (2050) Noise Level Increase (dB)
ST1 (Northeastern boundary of the Project site, adjacent to Grand Ave. and CA-78)	76.6	76.5	73.8	-2.7	75.9	73.5	-2.4
ST2 (Southern edge of the Project site, north of Linda Vista Dr.)	67.3	67.3	68.3	1.1	67.5	68.5	1.0
ST3 (Adjacent to the building at 237 Via Vera Cruz, west of the Project site and east of Via Vera Cruz)	67.2	67.2	67.4	0.2	69.0	69.1	0.1

Notes: dBA = A-weighted decibel; CNEL = Community Noise Equivalent Level; dB = decibel.

Table 5 shows that at all three listed representative receivers, the addition of proposed Project traffic to the local roadway network would result in a CNEL increase of less than or equal 1 dB, which is below the discernible level of change for the average healthy human ear. Thus, a **less-than-significant impact** is expected for proposed project-related off-site traffic noise increases affecting existing residences in the vicinity.

On-Site Roadway Traffic Noise

As of January 2019, the study of future Project residential exposures to offsite transportation noise sources is not considered for noise impact assessment at the California state level. Hence, for informational purposes and as shown in Table 5, predicted future (2024 and 2050) "with project" noise levels exceed the City's "conditionally acceptable" multi-family/mixed-use land use compatibility standard threshold of 75 dBA CNEL at the receiver representing the multi-family residences located adjacent to Grand Avenue. The proposed six-foot noise wall on the northeastern side of the property, situated between the Project buildings and the parallel major roadway represented by Grand Avenue and CA-78 traffic, is predicted to provide an insertion loss of approximately three to four dBA for first-floor exterior areas.

Second floor balconies (as shown in Exhibit D) facing Grand Avenue and CA-78 are also predicted to exceed 75 dBA CNEL, but would not be benefited by the additional three to four dBA of insertion loss from the six-foot noise wall. If these balconies are not merely an architectural or decorative feature and are intended to be used as private outdoor spaces with the potential to be occupied by residents or their guests, then those balconies would need to be acoustically upgraded in order to reduce outdoor noise exposure for seated occupants.

Exhibit D. Project Multi-Family Residential Building with Balconies Facing Grand Avenue and CA-78

Source: Lab Holding, LLC California Pacific Homes (2022)
Note: Balconies are encircled in red

An approach that Dudek has recommended on previous residential projects is to provide this identified noise reduction need by way of the addition of a solid and sufficiently massive material layer to the planned square-tubed metal railings on the balcony usable area perimeter. As depicted in Exhibit E, showing detail from a previously studied project (and thus used merely for illustration purposes), proposed installation of a 6-millimeter (0.236 inch) sheet of plexiglass (acrylic) on the interior-facing side of the balcony railing structure would be expected to yield an effective sound transmission class (STC) rating of at least 15. Although the material itself has an STC rating of 29 (Arkema Group 2019), the approximate 1"-wide air gap between the bottom edge of the plexiglass panel and the balcony floor results in lower expected STC performance. In other words, the area of the gap as a fraction of the barrier material surface area causes the reduction in sound transmission loss performance. Other material options and designs are possible, subject to non-acoustical considerations such as desired barrier opacity, balcony deck drainage, etc., provided that the designed installation has barrier material having adequate mass and solidity, an approximate deck to top-edge height of 42 inches (3.5 feet), and with minimized air-gaps such as the sample appearing in Exhibit E.

Exhibit F illustrates examples of similar sound-blocking balcony barriers to help reduce incoming traffic noise and increase occupant privacy at pre-existing Vista Flores Apartments and Barham Villas Apartments that overlook and are within comparable horizontal distances to the CA-78 highway as anticipated Project facades appearing in Exhibit D.

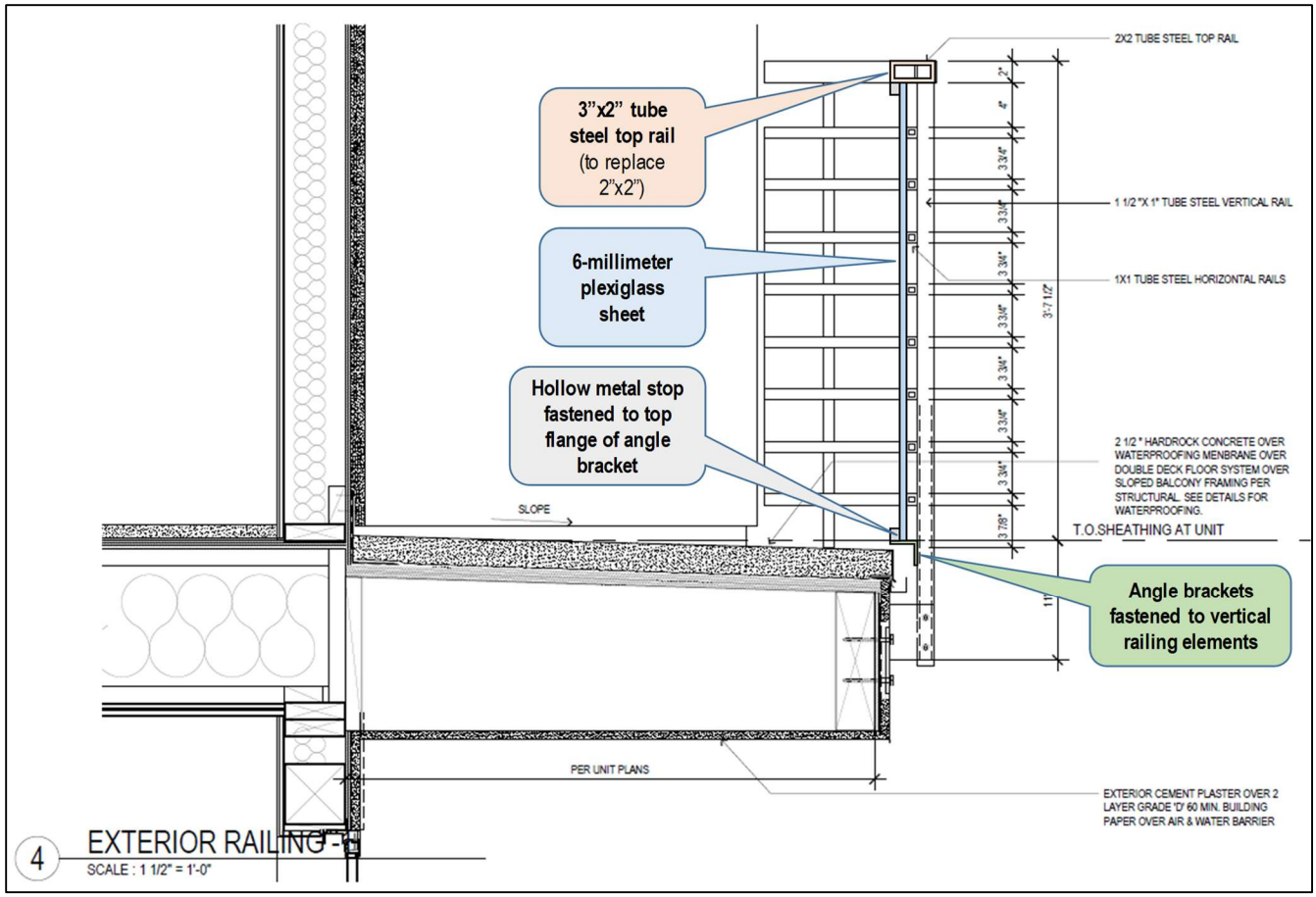
On these bases, implementation of PDF-NOI-1 and PDF-NOI-2 below would help reduce traffic noise exposure levels. However, predicted traffic noise exposure levels may still exceed the City's land use compatibility standard of 65 dBA CNEL at the Private Usable Open Spaces for these Category B receptors per Table 7-4 (as shown in Exhibit B). As permitted by note 5 in Table 7-4, the Project's group Usable Open Spaces (pool, playground, etc.) that are shielded by multiple Project building rows would be predicted to have traffic noise exposure levels less than 65 dBA CNEL and would therefore be compatible with the City's land use compatibility standard. This is supported by language in note 5 from Table 7-4 as follows: "When the noise limit for Private Usable Open Space cannot be met, then a Group Usable Open Space that meets the exterior noise level standard shall be provided."

PDF-NOI-1 Where Project exterior onsite noise levels due to offsite surface transportation noise sources are predicted to exceed 65 dBA CNEL at useable open space areas, the Project shall install noise-

reducing features external to or upon the useable open space areas (or within, as practical and appropriate) in the form of sound walls, fencing, landscape berms, or similarly performing barriers to occlude incoming roadway traffic noise.

PDF-NOI-2 Residential unit patios or balconies with roadway-facing building facades predicted to be exposed to external noise levels in excess of 65 A-weighted decibels community noise equivalent level shall feature railings or other partial-height barriers comprising sufficiently solid and dense materials (e.g., acrylic, glass, wood that exhibits a sound transmission class rating of at least 20) and of a 42-inch minimum height (from floor or deck of the balcony surface) that occludes direct sound path from the noise-producing roadway of concern and a seated patio or balcony occupant.

Exhibit E. Elevation view of a typical balcony railing, with a recommended 6-millimeter plexiglass element added for noise reduction



Sources: Humphreys 2019, Dudek 2020

Exhibit F. Samples of Balcony Barriers at Multi-Family Residential Land Uses along CA-78 (*left:* northern façade of Barham Villas Apartments building; *right*: southern façade of Vista Flores Apartments building)

Source: Google Earth Pro 2023

Stationary Project Operations Noise

The completion of various buildings on the Project site will add a variety of noise-producing mechanical equipment that include those presented and discussed in the following paragraphs. In addition to noise-producing mechanical equipment on the roofs of the Project buildings, the site contains several proposed outdoor spaces on the east side of the site where events are expected to take place. Most of these noise-producing equipment or sound sources would be considered stationary or limited in mobility to a defined area.

The aggregate noise emission from these outdoor-exposed sound sources has been predicted with the Datakustik CadnaA sound propagation program. CadnaA is a commercially available software program for the calculation, presentation, assessment, and prediction of environmental noise based on algorithms and reference data per International Organization of Standardization (ISO) Standard 9613-2, "Attenuation of Sound During Propagation Outdoors, Part 2: General Method of Calculation" (ISO 1996). The CadnaA computer software allows one to position sources of sound emission in a simulated three-dimensional (3-D) space atop rendered "blocks" of project building masses having heights and footprints consistent with project architectural plans and elevations. In addition to the above-mentioned sound source inputs and building-block structures that define the three-dimensional sound propagation model space, the following assumptions and parameters are included in this CadnaA-supported stationary noise source assessment:

- Ground effect acoustical absorption coefficient equal to 0.5, which intends to represent an average or blending of ground covers that are characterized largely by hard reflective pavements and existing building surfaces across the Project site and the surroundings;
- Reflection order of 1, which allows for a single reflection of sound paths on encountered structural surfaces such as the modeled building masses;
- Off-site residential structures and the commercial buildings have not been rendered in the model;
- Calm meteorological conditions (i.e., no wind) with 68 degrees Fahrenheit and 50% relative humidity; and
- All of the modeled noise sources are operating concurrently and continuously for a minimum period of 1 hour.

HVAC Noise

The proposed Project buildings would be served by air-conditioning equipment that includes outdoor-exposed packaged air-handling units or—at a minimum—air-cooled condensers (ACC) that provide the expected cooling demand (expressed as refrigeration "tonnage") for the building.

Based on the available architectural plans and other design information for the proposed Project, there are a number of HVAC units proposed on the roof of each Project building. Rooftop HVAC reference sound levels were calculated from a combination of inputs that include the gross square footage (SF) values for the Project's residential and commercial facilities, Project applicant response to data requests, and manufacturer sound power level data.

Table 6 presents the predicted aggregate noise level exposures from the operating rooftop HVAC systems at each of four (4) nearby receptors (i.e., short-term measurement locations and the closest noise-sensitive receptor). Predicted levels shown in Table 6 range between 20 to 36 dBA hourly L_{eq}, which is below the City's noise standard of 60 dBA L_{eq} for single-family residential properties and below the Marcos Specific Plan limit of 65 dBA L_{eq} at the site boundary. Figure 4 displays the location of the studied receptors and noise contours for the HVAC-only condition. See Appendix D for quantitative details of the modeling inputs.

Table 6. HVAC Only Stationary Operations Noise Modeling Results

Studied Noise-Sensitive Receptor	Predicted Project-Attributed Noise Exposure Level at Nearby Receptors Project HVAC (dBA hourly L_{eq})
ST1	35.7
ST2	33.6
ST3	23.2
Nearest Noise-Sensitive Receptor	20.3

Note: L_{eq} = equivalent continuous sound level (time-averaged sound level); dBA = A-weighted decibels; HVAC = heating, ventilating, and air-conditioning. See Figure 4 for locations of studied noise-sensitive receptors for the HVAC only condition.

HVAC Plus Event Noise

Based on the information found in the Marcos Specific Plan Section 3.6.1.4, multiple event types and sizes will be allowed at the outdoor spaces developed by the Project. Anticipated event sizes are categorized by expected attendance and range from "small" (10-20 people) to "large" (100+ people).

For the same four (4) studied receptor positions listed in Table 6 (i.e., short-term measurement locations and the closest noise-sensitive receptor), and resulting from usage of the same CadnaA-based sound propagation prediction model, Table 7 presents the predicted aggregate noise level exposures from the operating rooftop HVAC systems and an in-progress event with 100 people at an outdoor use area on the east side of the commercial side of the Project. For purposes of this analysis, the added event-related noise would be considered equivalent to speech from one hundred speakers at an average "loud speaking" level (Hayne 2006) and geographically spread over the event area as shown in Figure 14 of the Marcos Specific Plan. Predicted levels shown in Table 7 range between 25 to 60 dBA hourly L_{eq}, which is below the Marcos Specific Plan standard of 65 dBA L_{eq} at the Specific Plan boundary. Figure 5 displays the location of the studied receptors and noise contours for this studied HVAC-plus-event Project noise emission scenario.

Table 7. HVAC Plus Event Stationary Operations Noise Modeling Results

Studied Noise-Sensitive Receptor	Predicted Project-Attributed Noise Exposure Level at Nearby Receptors Project HVAC + Event (dBA hourly L_{eq})
ST1	36.1
ST2	60.1
ST3	39.4
Nearest Noise-Sensitive Receptor	25.3

Note: L_{eq} = equivalent continuous sound level (time-averaged sound level); dBA = A-weighted decibels; HVAC = heating, ventilating, and air-conditioning. See Figure 3 for locations of studied noise-sensitive receptors for the HVAC plus event condition.

In summary, aggregate noise emission from continuously operating outdoor-exposed rooftop HVAC units is expected to be below the City's exterior noise threshold of 60 dBA L_{eq} for commercial land uses and below the Specific Plan threshold of 65 dBA L_{eq} at the site boundary. Additionally, aggregate Project noise emission from the combination of this anticipated building HVAC noise and a "large" in-progress outdoor event attended by 100 people at the planned event area would be compliant with the Specific Plan threshold of 65 dBA L_{eq} at the site boundary. Given that such a large attended outdoor event is predicted to be compliant, one can reasonably assume that an HVAC-plus-event noise emission associated with "small" outdoor events that may occur locally around distinct Project buildings would, on the basis of smaller event attendance having less acoustical contribution due to average speech levels, also be compliant with this Specific Plan standard.

Therefore, noise associated with stationary operations related to rooftop HVAC equipment would be considered a **less than significant impact**, and no mitigation is required.

Figure 4 Aggregate Stationary Sources Operational Noise Level Prediction – HVAC Only

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Figure 5 Aggregate Stationary Sources Operational Noise Level Prediction – HVAC Plus Event

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b) Would the project result in generation of excessive groundborne vibration or groundborne noise levels?

Construction activities may expose persons to excessive groundborne vibration or groundborne noise, causing a potentially significant impact. Caltrans has collected groundborne vibration information related to construction activities (Caltrans 2020). Information from Caltrans indicates that continuous vibrations with a PPV of approximately 0.2 ips is considered annoying. For context, heavier pieces of construction equipment, such as a bulldozer that may be expected on the project site, have peak particle velocities of approximately 0.089 ips PPV or less at a reference distance of 25 feet (FTA 2018).

Groundborne vibration attenuates rapidly, even over short distances. The attenuation of groundborne vibration as it propagates from source to receptor through intervening soils and rock strata can be estimated with expressions found in FTA and Caltrans guidance. By way of example, for a vibratory roller operating on site and as close as the southern project boundary (i.e., 30 feet from the nearest occupied building) when involved in the paving phase of Project construction, the estimated vibration velocity level would be 0.16 ips per the equation as follows (FTA 2018):

$PPV_{rcvr} = PPV_{ref} * (25/D)^{1.5} = 0.16 = 0.21 * (25/30)^{1.5}$

In the above equation, PPV_{rcvr} is the predicted vibration velocity at the receiver position, PPV_{ref} is the reference value at 25 feet from the vibration source (the bulldozer), and D is the actual horizontal distance to the receiver. Therefore, at this predicted PPV, the impact of vibration-induced annoyance to occupants of nearby commercial buildings would be **less than significant**.

Construction vibration, at sufficiently high levels, can also present a building damage risk. However, anticipated construction vibration associated with the proposed project would yield levels of 0.16 ips PPV, which does not surpass the guidance limit of 0.3 ips PPV for preventing damage to older residential structures (Caltrans 2020). Because the predicted vibration level at 30 feet is less than this guidance limit, the risk of vibration damage to nearby structures is considered **less than significant**.

Once operational, the proposed project would not be expected to feature major producers of groundborne vibration. Anticipated mechanical systems like heating, ventilation, and air-conditioning units are designed and manufactured to feature rotating (fans, motors) and reciprocating (compressors) components that are well-balanced with isolated vibration within or external to the equipment casings. On this basis, potential vibration impacts due to proposed project operation would be **less than significant**.

c) For a project located within the vicinity of a private airstrip or an airport land use plan or, where such a plan has not been adopted, within two miles of a public airport or public use airport, would the project expose people residing or working in the project area to excessive noise levels?

There are no private airstrips within the vicinity of the project site. The closest airport to the project site is the McClellan Palomar Airport, approximately 5 miles west of the site. According to the Comprehensive Land Use for McClellan-Palomar Airport (SDCRAA 2011) the Project site is not located within a noise exposure contour and would therefore not expose people residing or working in the project area to excessive noise levels. Impacts from aviation overflight noise exposure would be **less than significant**.

6 Mitigation Measures

The results indicate that potential impacts during construction and operation of the proposed Project would be less than significant. No mitigation is required with proper implementation of the Specific Plan.

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7 Summary of Findings

This noise report was conducted for the proposed Project. The results indicate that potential noise and vibration impacts during construction would be less than significant, and no noise or vibration mitigation is required.

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Appendix A

Baseline Noise Measurement Field Data (Dudek Forms)

Appendix B

Construction Noise Prediction Model Worksheet

Appendix C

Traffic Noise Model Calculations

Appendix D

Operational Noise Model Input Worksheets

Appendix H-1
Local Transportation Analysis

SAN MARCOS ARTIST'S VILLAGE

FINAL

Local Transportation Analysis

MAY 2023

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Executive Summary

Project Setting and Description

The Project is a mixed-use development on 11.08 acres (5.03 acres of residential uses and 6.05 acres of office/retail uses) located at the northwest corner of Linda Vista Road and Grand Avenue in the City of San Marcos. The Project proposes to construct 102 multi-family dwelling units (on west end of project) as well as 7 live/work units (on east end of project) on approximately 5.03 acres. Live/work units are units consisting of a residential and commercial/office component, where a resident is able to both live and work. Additionally, the Project proposes to construct 7,658 square feet (SF) of office space and 49,266 SF of specialty retail space on approximately 6.05 acres. It should be noted that the office space is intended for single tenant and the retail space is not intended to be occupied by grocery store uses or similar uses.

The property is bordered by Grand Avenue on the northeast side, Linda Vista Road on the southeast side, and industrial land uses to the west. Per the City's General Plan, the site is designated as a Commercial (C) land use and thus the Project, being a mixed-use development, is inconsistent with the General Plan and zoning designation. However, the project applicant is processing a General Plan Amendment (GPA) to adjust the zoning to "Mixed-Use" in order to be consistent with the General Plan. The Project's assumed opening year is Year 2024.

The Project will provide the following four new side-street stop-controlled driveways and roadway improvements:

- Project Driveway #1 – This new, full-access driveway will be located approximately 900 feet northwest of Linda Vista Drive
- Project Driveway #2 – This new, full-access driveway will be located approximately 300 feet northwest of Linda Vista Drive
- Project Driveway #3 – This new, full-access driveway will be located approximately 700 feet southwest of Grand Avenue
- Project Driveway #4 – This new, full-access driveway will be located approximately 250 feet southwest of Grand Avenue
- Construction of raised median at Grand Avenue along Project Frontage. Median breaks will be present to allow for full access of the driveways along Grand Avenue.

Based on the preliminary review of the project site plan, the Project would not conflict with existing or planned transit, bicycle, or pedestrian facilities. The Project will construct a landscaped buffer and a Class I bike path with a separate pedestrian path adjacent to it along the segments of Linda Vista Drive and Grand Avenue fronting the Project. Additionally, the Project will reconstruct curb ramps located along project driveways, including detectable surface warning tactiles (yellow truncated domes). Implementation of the recommendation above should enhance the overall bicycle and pedestrian environment.

Per the City's Transportation Analysis Guidelines (TIAG), trip generation rates were derived from SANDAG's (not so) Brief Guide to Vehicular Traffic Generation Rates for the San Diego Region (April 2002).

The Project is anticipated to generate a net total of 2,241 daily trips, including 126 trips (60-in/62-out) during the AM peak hour and 189 (101-in/89-out) during the PM peak hour.

The following roadway segments and intersections were included for analysis:

Roadway Segments

- Via Vera Cruz, between Grand Avenue and Linda Vista Drive
- Via Vera Cruz, between Linda Vista Drive and West San Marcos Boulevard
- Grand Avenue, between Las Posas Road and Via Vera Cruz
- Grand Avenue, between Via Vera Cruz and Linda Vista Drive
- Grand Avenue, between Linda Vista Drive and West San Marcos Boulevard
- Linda Vista Drive, between Via Vera Cruz and Grand Avenue
- West San Marcos Boulevard, between Via Vera Cruz and South Bent Avenue
- West San Marcos Boulevard, between South Bent Avenue and Grand Avenue

Intersections

1. South Las Posas Road & Grand Avenue
2. SR-78 EB Ramps/Via Vera Cruz & Grand Avenue
3. Via Vera Cruz & Linda Vista Drive
4. Linda Vista Drive & Grand Avenue
5. South Bent Avenue & Grand Avenue
6. Via Vera Cruz & West San Marcos Boulevard
7. Grand Avenue & West San Marcos Boulevard
8. Project Driveway #1 & Grand Avenue
9. Project Driveway #2 & Grand Avenue
10. Project Driveway #3 & Linda Vista Drive
11. Project Driveway #4 & Linda Vista Drive

LOS Deficiencies and Improvement Requirements

Determination of the Need for Off-Site Improvements to Accommodate Project Traffic – Near-Term Year 2024 with Project Conditions

Roadway Segment Analysis
No improvements required.

Intersection Analysis
No improvements required.

Determination of the Need for Off-Site Improvements to Accommodate Project Traffic – Horizon Year 2050 with Project Conditions

Roadway Segment Analysis
No improvements required.

Intersection Analysis
Because implementation of the Project would further deteriorate traffic operations and increase the delay at an intersection already operating at LOS E or F by more than 2.0 seconds, the Project would cause an inconsistency with Policy M-1.4 at the following intersection:

- Linda Vista Drive & Grand Avenue – To improve operations at this intersection, the Project shall provide a fair share contribution to install a traffic signal. It should be noted the intersection already operates at substandard LOS E without the Project, indicating the Project does not directly cause the inconsistency. Upon implementation of this improvement, the intersection would operate at acceptable LOS and better than pre-project conditions.

  The total number of vehicle trips passing through this intersection during the PM peak hour is 1,811, of which 101 (or 5.6% of the total volume) are vehicle trips generated by the Project. Thus, the Project would be responsible for 5.6% of the cost to implement this improvement.

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1.0 Introduction

The purpose of this Local Transportation Analysis (LTA) is to document the effect the San Marcos Artist's Village project (the "Project") would have on the circulation network and to determine if improvements are required. Per the City's Transportation Impact Analysis Guidelines (TIAG), the City strives to maintain intersection and roadway segment operations based on LOS standards outlined in the General Plan Mobility Element. Improvements should be identified for any study facilities that do not meet City LOS standards to increase performance to acceptable or pre-project conditions.

1.1 Project Description

The Project is a mixed-use development on 11.08 acres (5.03 acres of residential uses and 6.05 acres of office/retail uses) located at the northwest corner of Linda Vista Road and Grand Avenue in the City of San Marcos. The Project proposes to construct 102 multi-family dwelling units (on west end of project) as well as 7 live/work units (on east end of project) on approximately 5.03 acres. Live/work units are units consisting of a residential and commercial/office component, where a resident is able to both live and work. Additionally, the Project proposes to construct 7,658 square feet (SF) of office space and 49,266 SF of specialty retail space on approximately 6.05 acres. It should be noted that the office space is intended for single tenant and the retail space is not intended to be occupied by grocery store uses or similar uses.

The property is bordered by Grand Avenue on the northeast side, Linda Vista Road on the southeast side, and industrial land uses to the west. Per the City's General Plan, the site is designated as a Commercial (C) land use and thus the Project, being a mixed-use development, is inconsistent with the General Plan and zoning designation. However, the project applicant is processing a General Plan Amendment (GPA) to adjust the zoning to "Mixed-Use" in order to be consistent with the General Plan. The Project's assumed opening year is Year 2024.

The Project will provide the following four new side-street stop-controlled driveways and roadway improvements:

- Project Driveway #1 – This new, full-access driveway will be located approximately 900 feet northwest of Linda Vista Drive
- Project Driveway #2 – This new, full-access driveway will be located approximately 300 feet northwest of Linda Vista Drive
- Project Driveway #3 – This new, full-access driveway will be located approximately 700 feet southwest of Grand Avenue
- Project Driveway #4 – This new, full-access driveway will be located approximately 250 feet southwest of Grand Avenue
- Construction of raised medians at Grand Avenue along Project Frontage. Median breaks will be present to allow for full access of the driveways along Grand Avenue. See **Appendix A** for improvement plan.

Figure 1.1 displays the Project's regional location. **Figure 1.2** displays the project site plan.

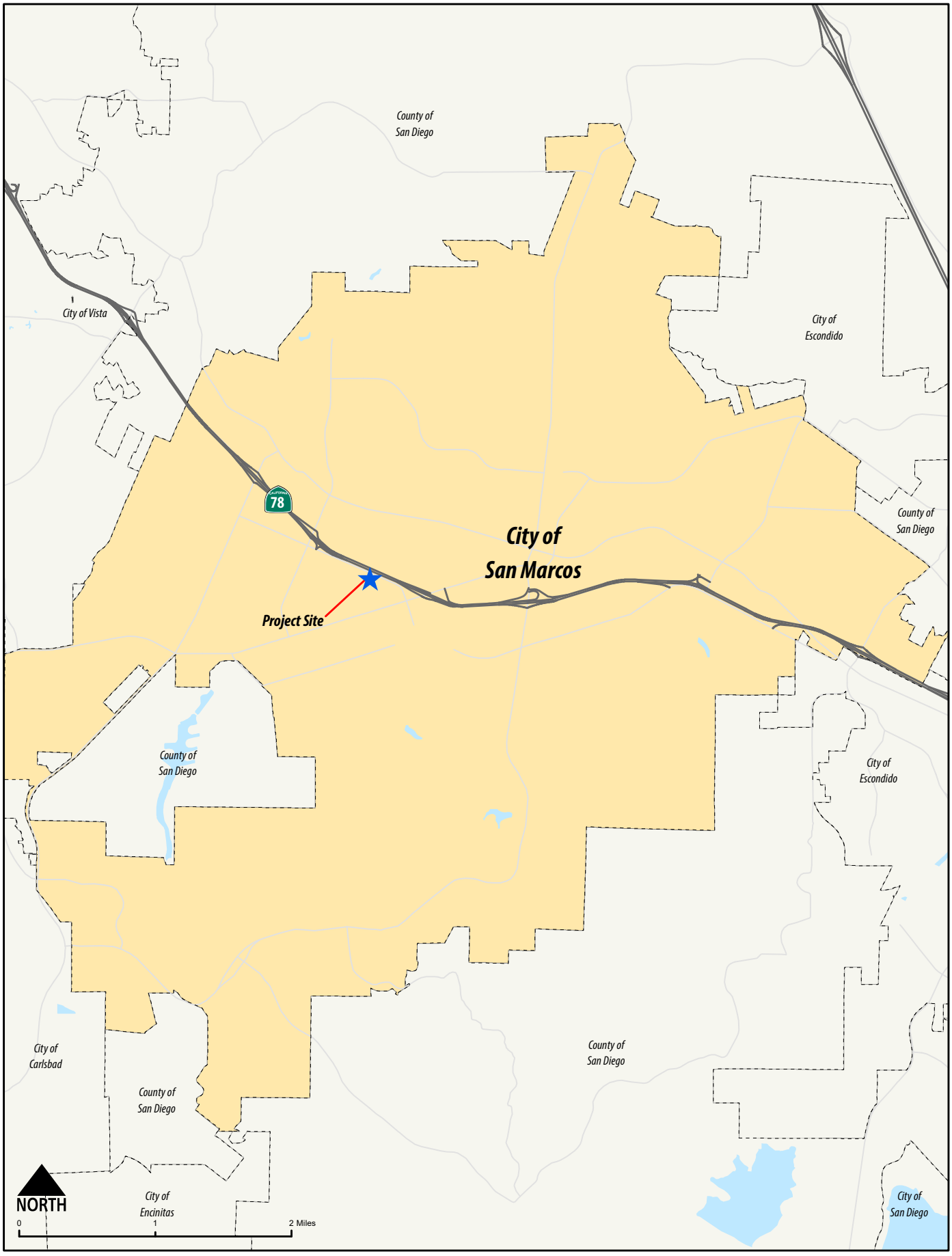

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Figure 1.1
Project Regional Location

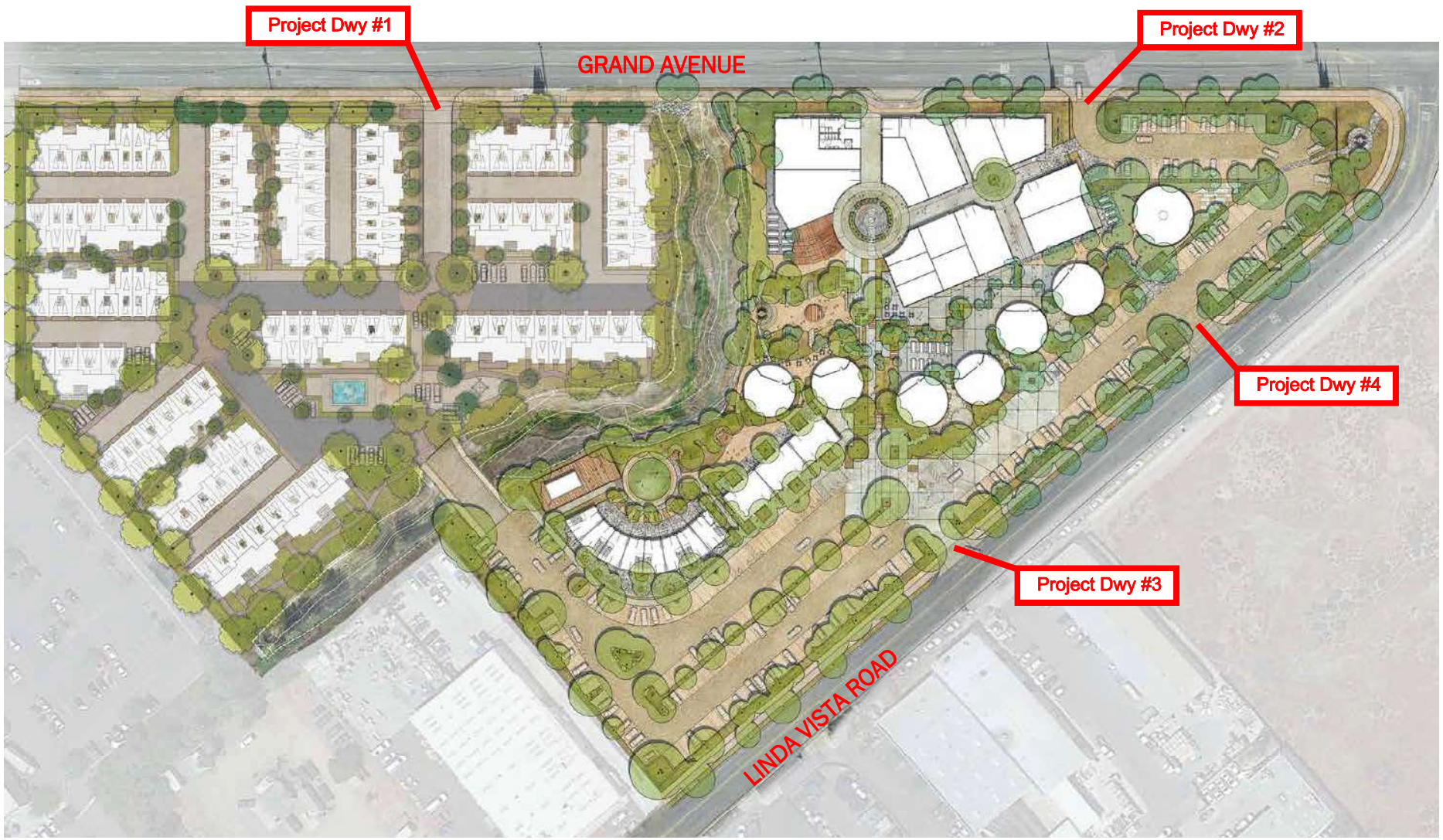

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Figure 1.2
Project Site Plan

1.2 Report Organization

Following this introductory chapter, this report is organized into the following chapters:

2. Analysis Methodology – This chapter reviews the methods utilized to evaluate any potential General Plan inconsistencies and LOS deficiencies associated with the implementation of the Project, as required by the TIAG.
3. Project Traffic - This chapter describes the Project's land uses and associated trip generation. Additional information such as trip distribution patterns and project trip assignment are also included in this chapter, which is used to determine the project study area.
4. Existing Conditions – This chapter describes and evaluates the existing transportation network. Vehicular operations within the study area are evaluated. LOS analysis results are also provided for existing vehicular traffic conditions.
5. Near-Term Year 2024 Conditions – This chapter describes near-term developments anticipated to generate additional study area trips and establishes a near-term baseline against which traffic generated by the Project can be compared to at the project opening day, assumed to be Year 2024. LOS analysis results are also provided for Near-Term Year 2024 Base and Near-Term Year 2024 Base with Project vehicular traffic conditions.
6. Horizon Year 2050 Conditions – This chapter describes projected long-range conditions of the transportation network within the study area. Horizon Year 2050 scenario analysis is required per the City's TIAG. LOS analysis results are also provided for Horizon Year 2050 and Horizon Year 2050 with Project vehicular traffic conditions.
7. LOS Deficiencies and Improvement Requirements - This chapter identifies any substandard facilities and provides improvement requirements to improve substandard facilities to acceptable LOS or pre-project conditions.
8. Site Access & Circulation – This chapter addresses access to the project site and discusses the functionality of the Project's internal circulation.

2.0 Analysis Methodology

This study was performed in accordance with the standards and requirements in the TIAG. All analysis assumptions were documented within a scoping agreement memorandum, provided in **Appendix B**, and approved by the City of San Marcos. The following sections describe the analysis methods outlined in the TIAG to evaluate the traffic effect as a result of the Project in relation to LOS.

2.1 Level of Service (LOS) Definition

Level of Service (LOS) is a quantitative measure describing operational conditions within a traffic stream, and the motorist's and/or passengers' perception of operations. A LOS definition generally describes these conditions in terms of such factors as delay, speed, travel time, freedom to maneuver, interruptions in traffic flow, queuing, comfort, and convenience. **Table 2.1** describes generalized definitions of the various LOS categories (A through F) as applied to roadway operations.

Table 2.1 - LOS Definitions

LOS	Definition of Operation
A	This LOS represents a completely free-flow condition, where the operation of vehicles is virtually unaffected by the presence of other vehicles and only constrained by the geometric features of the highway and by driver preferences.
B	This LOS represents a relatively free-flow condition, although the presence of other vehicles becomes noticeable. Average travel speeds are the same as in LOS A, but drivers have slightly less freedom to maneuver.
C	At this LOS, the influence of traffic density on operations becomes marked. The ability to maneuver within the traffic stream is clearly affected by other vehicles.
D	At this LOS, the ability to maneuver is notably restricted due to traffic congestion, and only minor disruptions can be absorbed without extensive queues forming and the service deteriorating.
E	This LOS represents operations at or near capacity. LOS E is an unstable level, with vehicles operating with minimum spacing for maintaining uniform flow. At LOS E, disruptions cannot be dissipated readily thus causing deterioration down to LOS F.
F	At this LOS, forced or breakdown of traffic flow occurs, although operations appear to be at capacity, queues form behind these breakdowns. Operations within queues are highly unstable, with vehicles experiencing brief periods of movement followed by stoppages.

Source: Highway Capacity Manual (HCM) 6th Edition

2.2 Roadway Segment LOS Standards and Thresholds

Roadway segment LOS standards and thresholds provide the basis for analysis of arterial roadway segment performance. The analysis of roadway segment LOS is based on the functional classification of the roadway, the maximum capacity, roadway geometrics, and existing or forecast Average Daily Traffic (ADT) volumes. **Table 2.2** displays roadway segment capacity standards found in the City's TIAG. The actual capacity of a roadway facility varies according to its physical attributes.

Table 2.2 - Roadway Segment Daily Capacity and LOS Standards

Street Classification	LOS/ADT Thresholds				
	A	B	C	D	E
Expressway (6-lane)	< 30,000	< 42,000	< 60,000	**< 70,000**	< 80,000
Prime Arterial (6-lane)	< 25,000	< 35,000	< 50,000	**< 55,000**	< 60,000
Major Arterial (6-lane, divided)	< 20,000	< 28,000	< 40,000	**< 45,000**	< 50,000
Major Arterial (4-lane, divided)	< 15,000	< 21,000	< 30,000	**< 35,000**	< 40,000
Major Arterial (3-lane, one-way)	< 12,500	< 16,500	< 22,500	**< 25,000**	< 27,500
Major Arterial (2-lane, one-way)	<10,000	<13,000	<17,500	**<20,000**	<22,500
Secondary Arterial/Collector (4-lane w/ center lane)	< 10,000	< 14,000	< 20,000	**< 25,000**	< 30,000
Collector (4-lane w/o center lane)	< 5,000	< 7,000	< 10,000	**< 13,000**	< 15,000
Collector (2-lane w/ continuous left-turn lane)	< 5,000	< 7,000	< 10,000	**< 13,000**	< 15,000
Collector (2-lane no fronting property)	< 4,000	< 5,500	< 7,500	**< 9,000**	< 10,000
Collector (2-lane w/commercial fronting)	< 2,500	< 3,500	< 5,000	**< 6,500**	< 8,000
Collector (2-lane w/multi-family)	< 2,500	< 3,500	< 5,000	**< 6,500**	< 8,000
Collector (3-lane, one-way)	< 11,000	< 14,000	< 19,000	**< 22,500**	< 26,000
Collector (2-lane, one-way)	< 7,500	< 9,500	< 12,500	**< 15,000**	< 17,500
Collector (1-lane, one-way)	< 2,500	< 3,500	< 5,000	**< 6,500**	< 7,500
Sub-Collector (2-lane single family)	-	-	**< 2,200**	-	-

Source: City of San Marcos Transportation Impact Analysis Guidelines (November 2020)

Note:
Bold number indicates the ADT thresholds for acceptable LOS.

These standards are generally used as long-range planning guidelines to determine the functional classification of roadways. The actual capacity of a roadway varies according to its physical attributes. Typically, the performance and LOS of a roadway segment is heavily influenced by the ability of its intersections to accommodate peak hour traffic volumes. For the purposes of this traffic analysis, LOS D or better is considered acceptable for circulation element roadway segments.

2.3 Peak Hour Intersection LOS Standards and Thresholds

This section presents the methodologies used to perform peak hour intersection capacity analyses at signalized and unsignalized intersections within the study area. The following assumptions were utilized in conducting all intersection LOS analyses:

- Peak Hour Factor (PHF) – Field-collected PHF for Existing and Near-Term Year 2024 Base Conditions. A PHF of 0.95 was assumed for Horizon Year 2050 analysis, except where the field-collected PHF exceeds 0.95.
- Lane Utilization Factor – HCM 6th Edition defaults were used for all scenarios.
- Conflicting Pedestrians/Bicycles – Existing pedestrian and bicycle counts are utilized for all scenarios.
- Signal Timing – Based on existing signal timing plans (as of June 2022 and July 2022), provided in **Appendix C**.
- Heavy Vehicle Factor (HVF) – 2% for all approaches, except where designated truck routes are present. HVF for truck route approaches are based on Caltrans truck percentage data.

2.3.1 Signalized Intersections

The analysis of signalized intersections utilized the operational analysis procedure as outlined in the Highway Capacity Manual (HCM) 6th Edition signalized (Chapter 19) intersection analysis methodology. This method defines LOS in terms of delay, or more specifically, average stopped delay per vehicle. Delay is a measure of driver and/or passenger discomfort, frustration, fuel consumption and lost travel time. This technique uses 1,900 vehicles per hour per lane (VPHPL) as the maximum saturation volume of an intersection. This saturation volume is adjusted to account for lane width, on-street parking, pedestrians, traffic composition (i.e., percentage trucks) and shared lane movements (i.e., through and right-turn movements originating from the same lane). The LOS criteria used for the analysis of signalized intersections are described in **Table 2.3**, identifying the thresholds of control delays and the associated LOS. The computerized analysis of intersection operations was performed utilizing the Synchro Version 11 traffic analysis software by Trafficware Ltd.

Table 2.3 - Signalized Intersection LOS Operational Analysis Method

Average Stopped Delay Per Vehicle (Seconds)	LOS Characteristics
<10	LOS A describes operations with very low delay. This occurs when progression is extremely favorable, and most vehicles do not stop at all. Short cycle lengths may also contribute to low delay.
>10– 20	LOS B describes operations with generally good progression and/or short cycle lengths. More vehicles stop than for LOS A, causing higher levels of average delay.
>20 – 35	LOS C describes operations with higher delays, which may result from fair progression and/or longer cycle lengths. Individual cycle failures may begin to appear at this level. The number of vehicles stopping is significant at this level, although many still pass through the intersection without stopping.
>35– 55	LOS D describes operations with high delay, resulting from some combination of unfavorable progression, long cycle lengths, or high volumes. The influence of congestion becomes more noticeable, and individual cycle failures are noticeable.
>55 – 80	LOS E is considered the limit of acceptable delay. Individual cycle failures are frequent occurrences.
>80	LOS F describes a condition of excessively high delay, considered unacceptable to most drivers. This condition often occurs when arrival flow rates exceed the LOS D capacity of the intersection. Poor progression and long cycle lengths may also be major contributing causes to such delay.

Source: HCM 6th Edition

2.3.2 Unsignalized Intersections

Unsignalized intersections were analyzed using the Highway Capacity 6th Edition side-street stop (Chapter 20) and all-way stop (Chapter 21) intersection analysis methodology. The computerized analysis of intersection operations was performed utilizing the Synchro Version 11 traffic analysis software by Trafficware Ltd.

LOS was determined as follows:

- All-way stop intersections: Reported for the entire intersection as an average value
- Side-street stop intersections: Reported for the worst-case movement

The LOS criteria used for the analysis of unsignalized intersections are described in **Table 2.4**.

Table 2.4 - LOS Criteria for Stop Controlled Unsignalized Intersections

Average Stopped Delay Per Vehicle (Seconds)	LOS
0-10	A
> 10-15	B
> 15-25	C
> 25-35	D
> 35-50	E
> 50	F

Source: HCM 6th Edition

2.4 Determination of Project Study Area

Per the City's TIAG, the study area was defined using the following criteria:

- Signalized and unsignalized intersections along and adjacent to the project site
- Site access driveways
- Any classified (non-residential) roadway segments that are linked to the intersections that are being studied

2.5 City of San Marcos LOS Standards

This section outlines the Mobility Element Policies that are relevant to the Project. The City of San Marcos strives to maintain intersection and roadway segment operations LOS standards based on the following policy:

- Policy M-1.4: LOS D or better for Vehicles as a prioritized mode – Generally provides facilities that have minimum vehicle congestion during peak periods. Most motorists are delayed less than 55 seconds at a signal (or less than one signalized cycle).

Based on the policy listed above, LOS D or better is considered acceptable for study roadway segments and intersections. The TIAG provides the following thresholds to determine if the Project is required provide improvements for study area facilities:

- Implementation of the Project triggers a roadway segment operating at acceptable LOS to operate at unacceptable LOS and increases the volume/capacity (V/C) ratio by more than 0.02.
- Implementation of the Project increases the V/C ratio for a study roadway segment that is already operating at unacceptable LOS by more than 0.02.
- Implementation of the Project triggers an intersection operating at acceptable LOS to operate at unacceptable LOS and increases the average delay per vehicle by more than 2.0 seconds.
- Implementation of the Project increases the average delay for a study intersection that is already operating at unacceptable LOS by more than 2.0 seconds.

Improvements should be identified to increase performance to acceptable or pre-project conditions under each scenario.

3.0 Project Traffic

This chapter describes the Project's trip generation, trip distribution patterns, and trip assignment.

3.1 Project Trip Generation

Per the City's TIAG, trip generation rates were derived from SANDAG's (not so) Brief Guide to Vehicular Traffic Generation Rates for the San Diego Region (April 2002). It should be noted that the office space is intended for single tenant and the retail space is not intended to be occupied by grocery store uses or similar uses. **Table 3.1** displays the projected daily, as well as AM and PM peak hour, project trip generation.

As shown, the Project is anticipated to generate a net total of 2,241 daily trips, including 126 trips (60-in/62-out) during the AM peak hour and 189 (101-in/89-out) during the PM peak hour.

3.2 Project Trip Distribution and Assignment

The project trip distribution was manually developed based on the following:

- Existing travel patterns obtained from big data (Replica1) and Census data
- Geographical location of the Project, surrounding land uses, and knowledge of the City's traffic patterns.

Appendix D includes a technical memorandum detailing the development of the project trip distribution. Since the Project features different land uses, separate trip distributions were developed. The office and retail components of the Project are assumed to have the same trip distribution since trips associated with these land uses would utilize Project Driveways #2, #3, and #4.

The residential component of the Project differs in trip distribution as it has different travel patterns than those associated with office and retail land uses. The Project proposes to construct 102 multi-family residential units that would be accessed via Project Driveway #1 along the west side (residential area) of the Project and 7 live/work units would be accessed along the east side (office-retail area) of the Project via Project Driveway #3. Although the seven live/work units are located within the office-retail area of the Project, the units are anticipated to have similar travel patterns as the typical residential units on the east side. Therefore, the trips associated with live/work units were assumed to be strictly residential trips and not included as part of the office or retail component of the Project. **Figure 3.1A** and **Figure 3.1B** display the regional trip distribution patterns for the residential component of the Project. **Figure 3.2A** and **Figure 3.2B** display the regional trip distribution patterns for the office and retail component of the Project.

Based upon the project trip distribution patterns, daily and AM/PM peak hour project trips were assigned to the adjacent roadway network. **Figure 3.3A** and **Figure 3.3B** display the project trip

[1] Replica is a data provider that produces large-scale models to represent mobility throughout the United States. For more information, please visit the following: https://replicahq.com/.

assignment for the residential component of the Project. **Figure 3.4A** and **Figure 3.4B** display the project trip assignment for the office and retail component of the Project. **Figure 3.5A** and **Figure 3.5B** display the project trip assignment for the combined land uses (total trip assignment).

Table 3.1 - Project Trip Generation

Land Use	Units	Trip Rate	ADT	AM Peak Hour					PM Peak Hour				
				%	Trips	Split	In	Out	%	Trips	Split	In	Out
Residential													
Multi-Family (>20 DU/acre)	109 DU	6/DU	654	8%	53	2:8	11	42	9%	59	7:3	41	18
Employment/Office													
Single Tenant Office	7,658 SF	14/KSF	108	15%	17	9:1	15	2	15%	17	2:8	3	14
Commercial/Retail													
Specialty Retail Center/Strip Commercial	49,266 SF	40/KSF	1,971	3%	60	6:4	36	24	9%	178	5:5	89	89
		Subtotal	2,733	-	130	-	62	68	-	254	-	133	121
		Internal Capture[1] (18%[2])	-492	-	-4	-	-2	-2	-	-64	-	-32	-32
		Net Total	**2,241**	**-**	**126**	**-**	**60**	**62**	**-**	**189**	**-**	**101**	**89**

Source: CR Associates (2022)

Notes:
[1] Internal capture was calculated using ITE's trip reduction calculator, which is based on the NCHRP Report 664 *Enhancing Internal Trip Capture Estimation for Mixed-Use Developments*. See **Appendix E** for more details.
[2] $1 - [(AM_{Net\ Total} + PM_{Net\ Total})/(AM_{Subtotal} + PM_{Subtotal})] = 1 - [(126 + 189)/(130 + 254)] = 18\%$
DU = Dwelling Unit.
KSF = 1,000 Square Feet

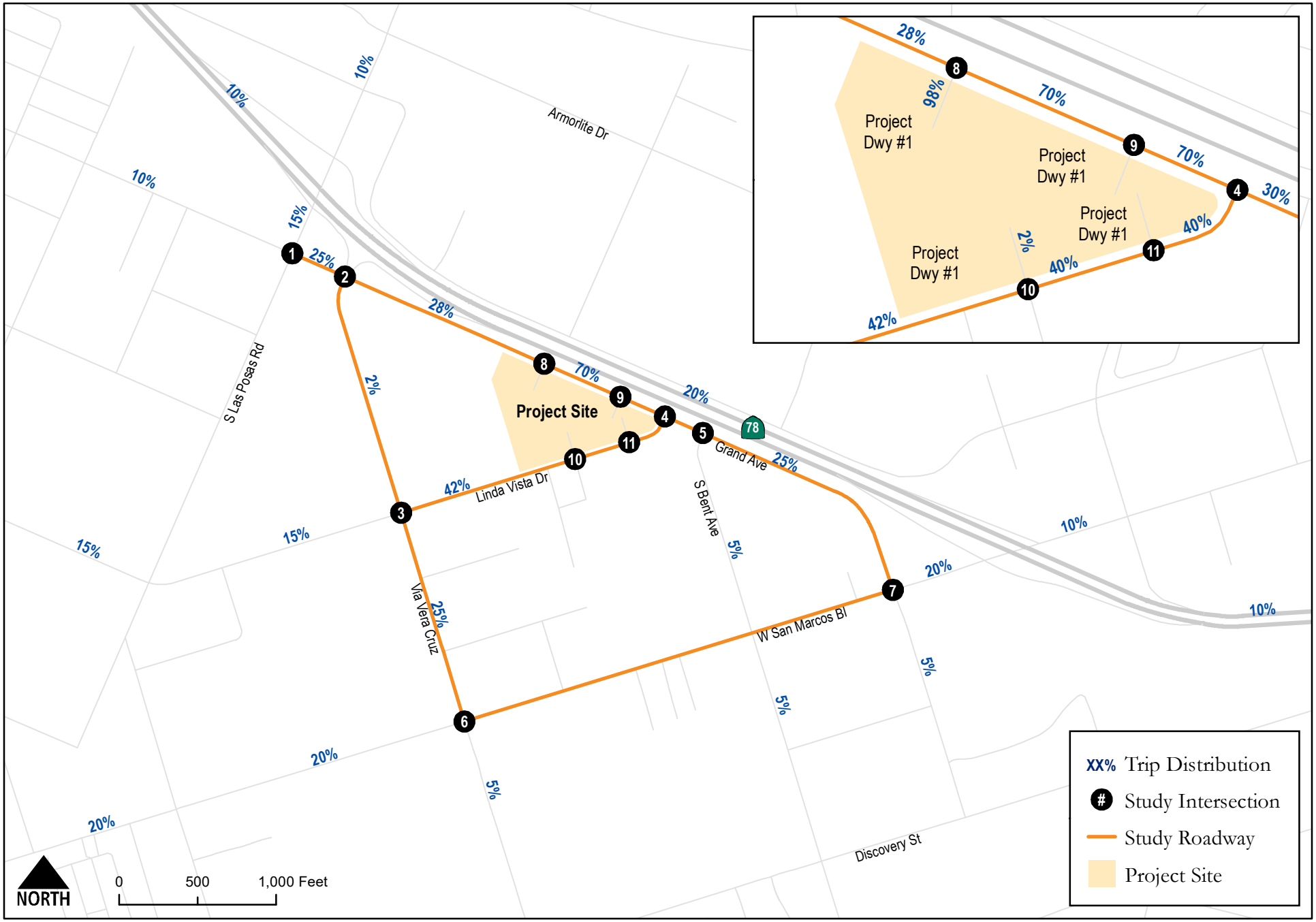

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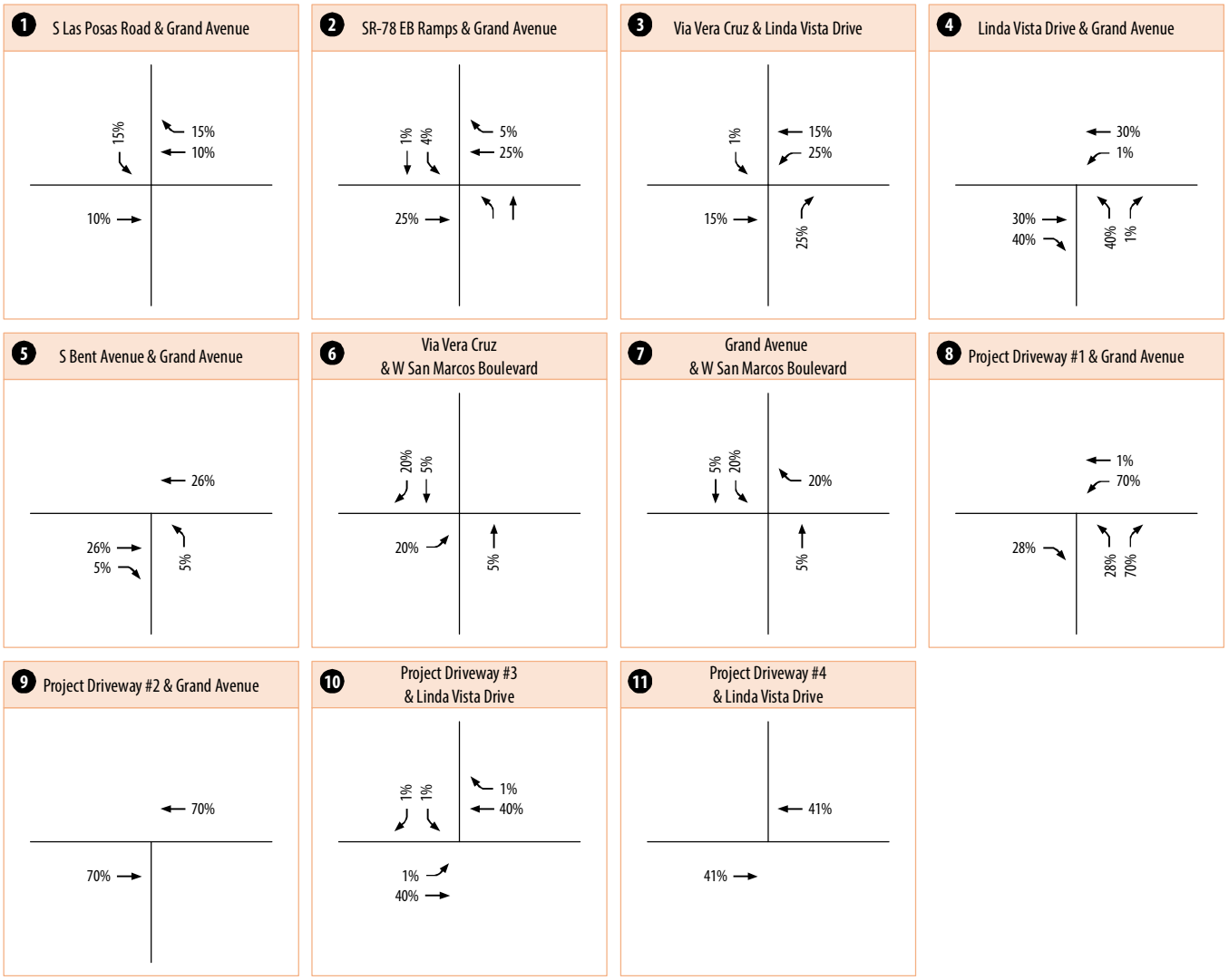
Figure 3.1A
Project Trip Distribution
Residential



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Local Transportation Analysis

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Figure 3.1B
Project Trip Distribution
Residential

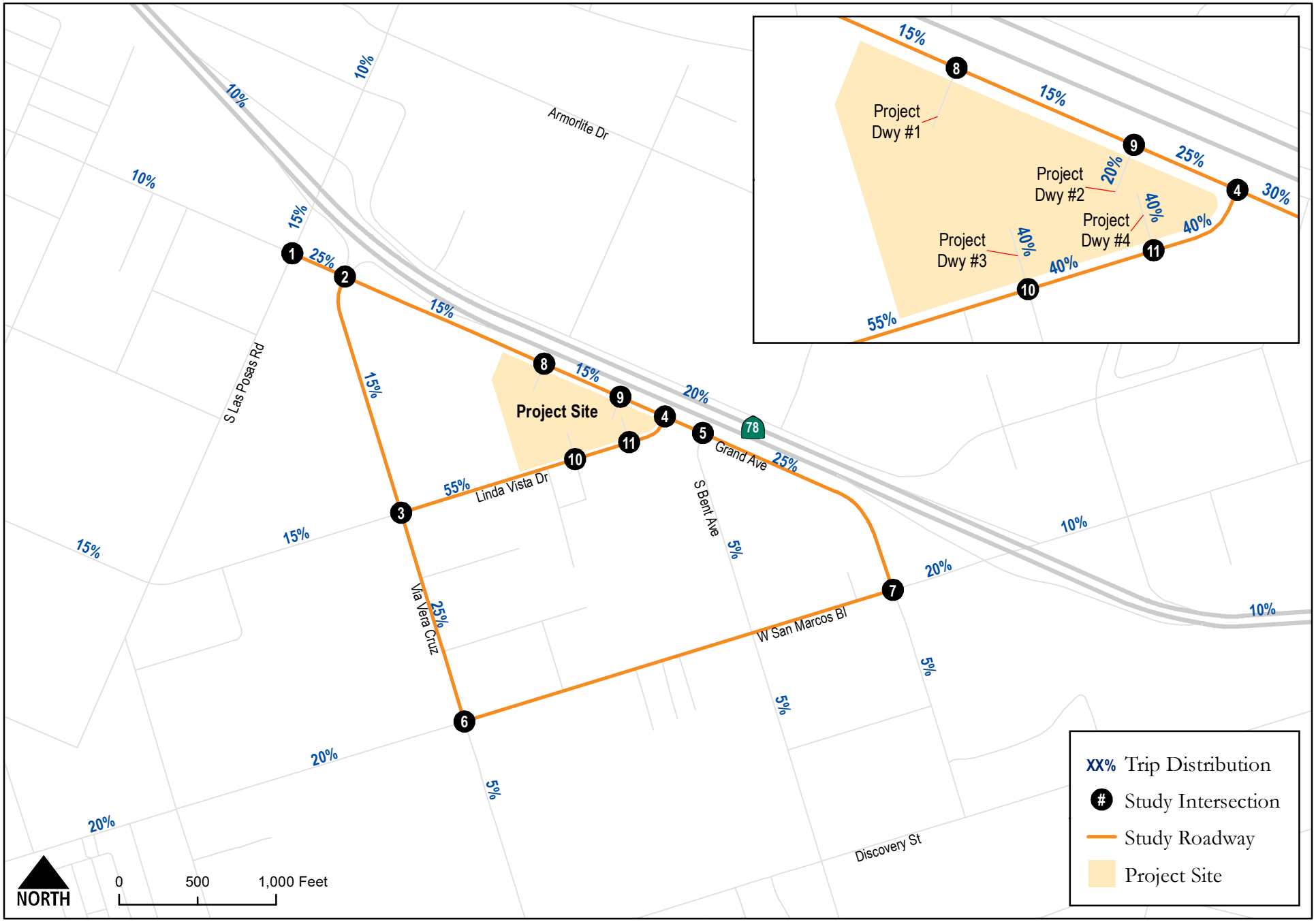

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Figure 3.2A
Project Trip Distribution
Office and Retail

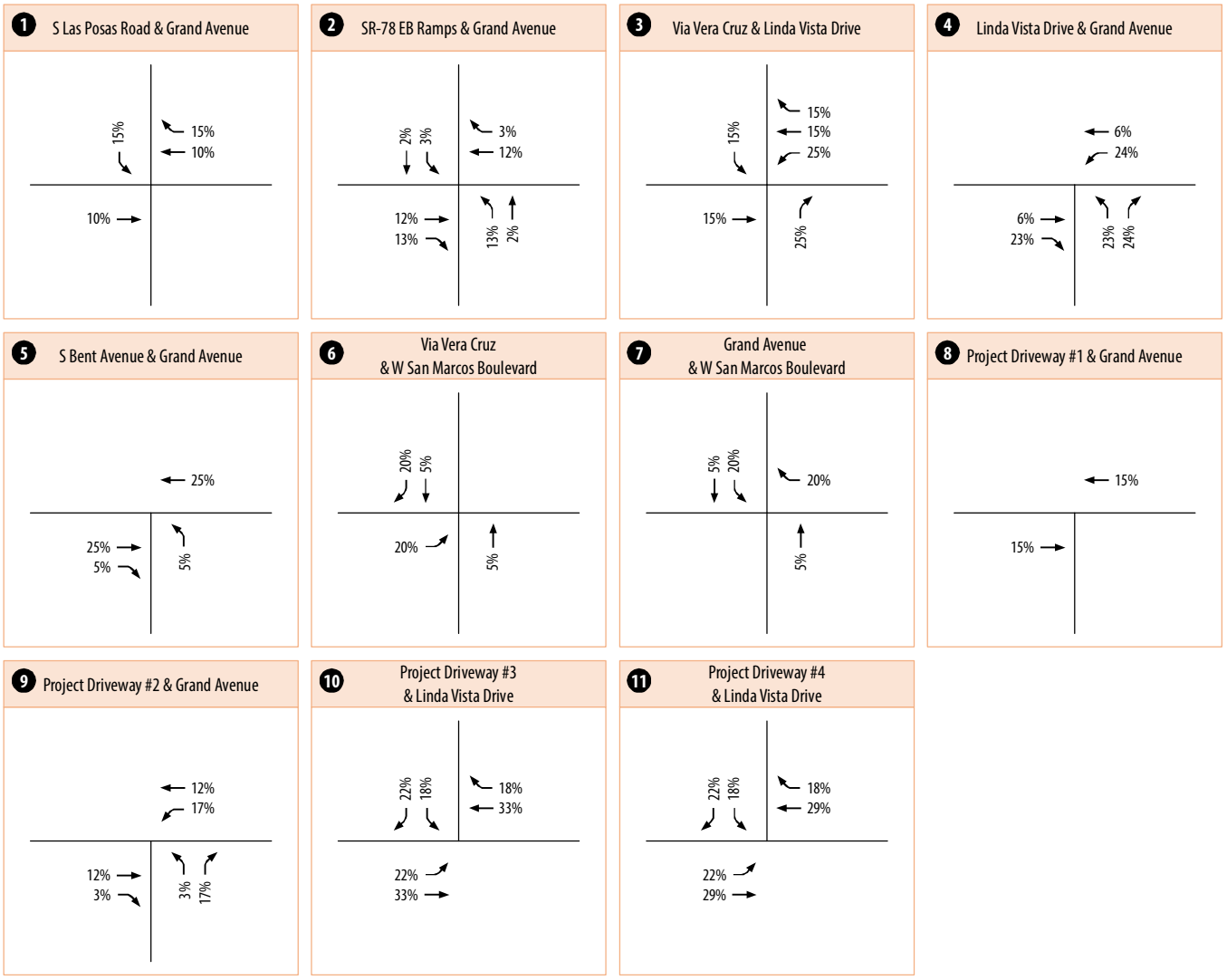

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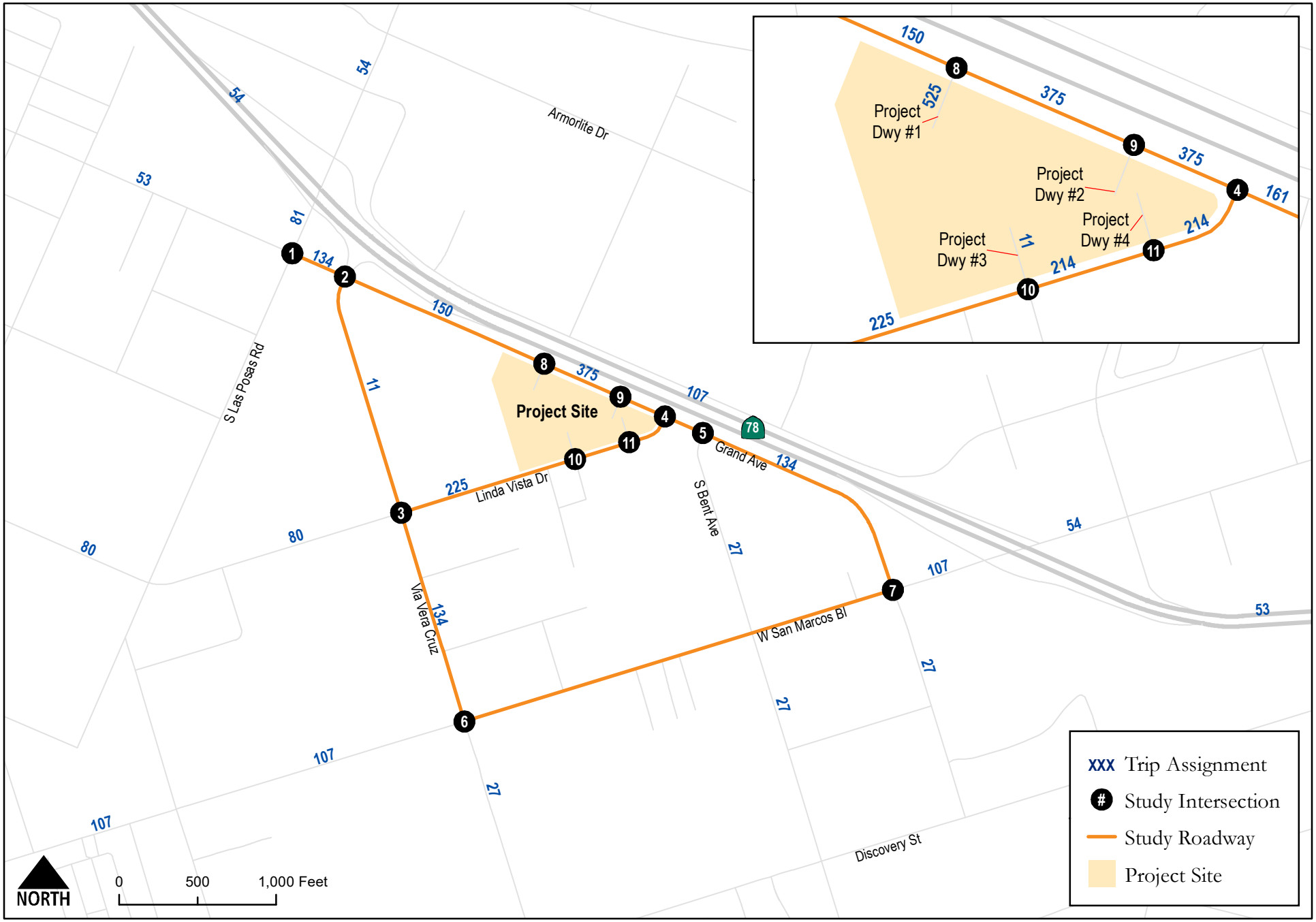
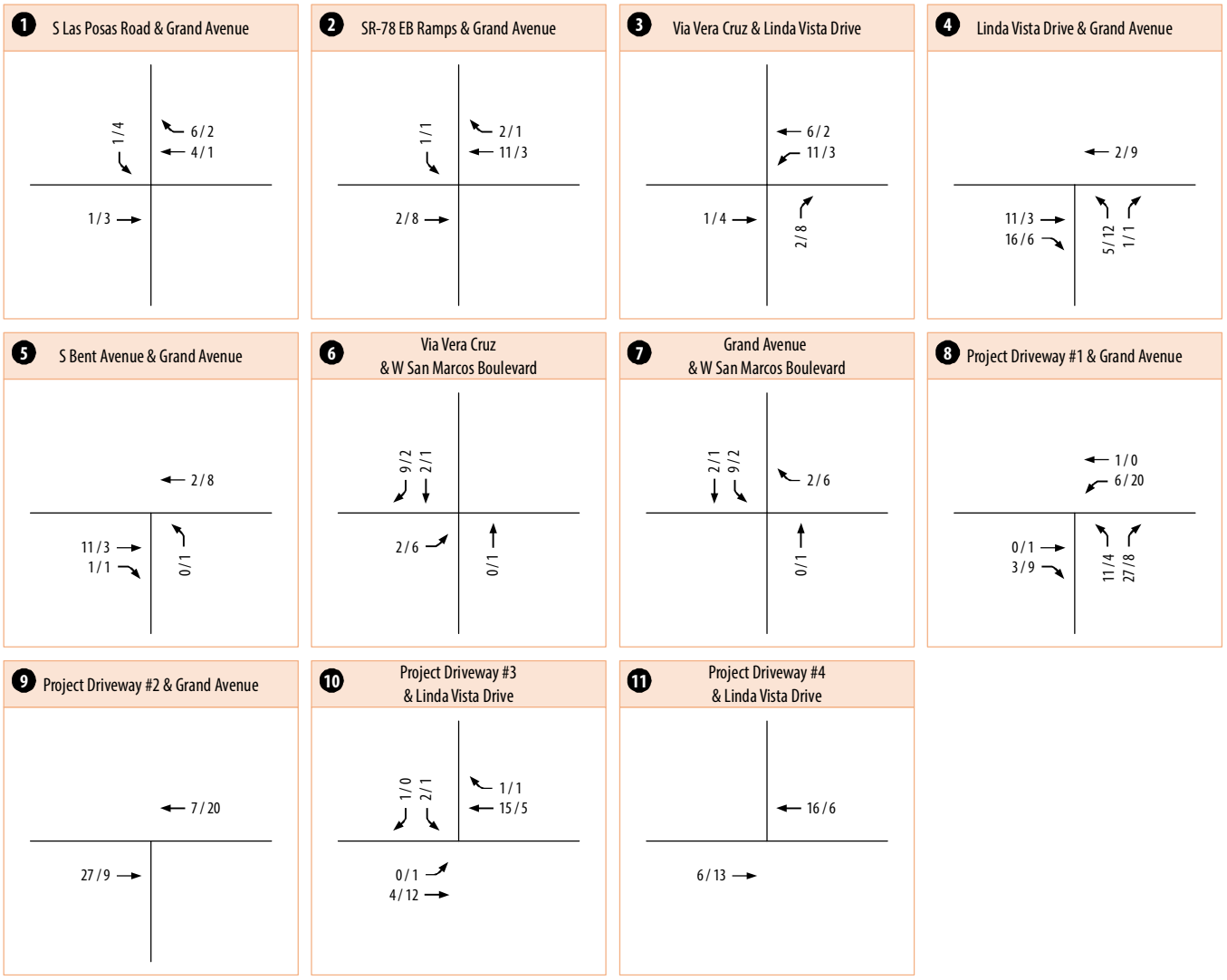
Figure 3.2B
Project Trip Distribution
Office and Retail



San Marcos Artist's Village
Local Transportation Analysis

Figure 3.3A
Project Trip Assignment
Residential



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Local Transportation Analysis

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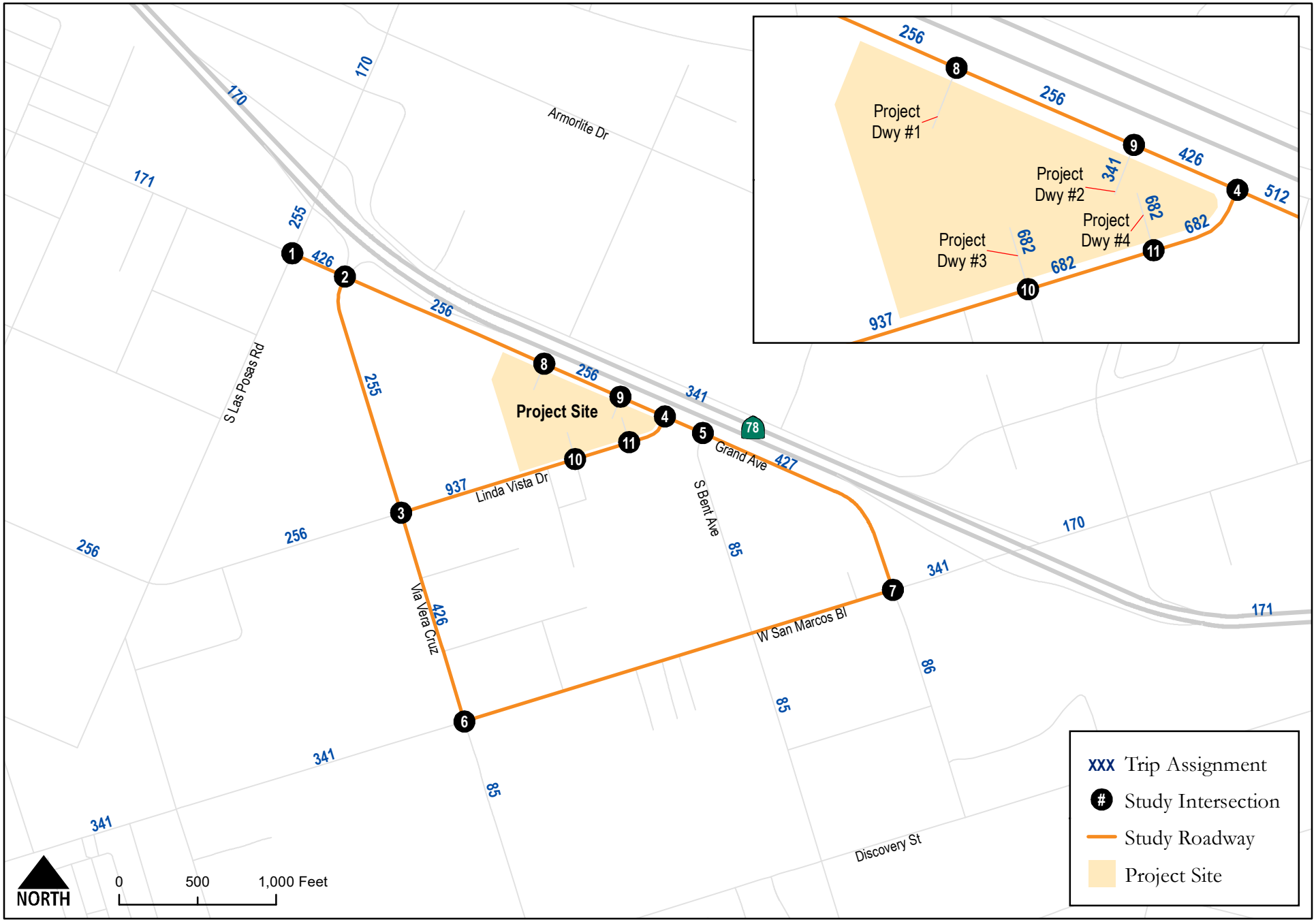
Figure 3.3B
Project Trip Assignment
Residential



San Marcos Artist's Village
Local Transportation Analysis
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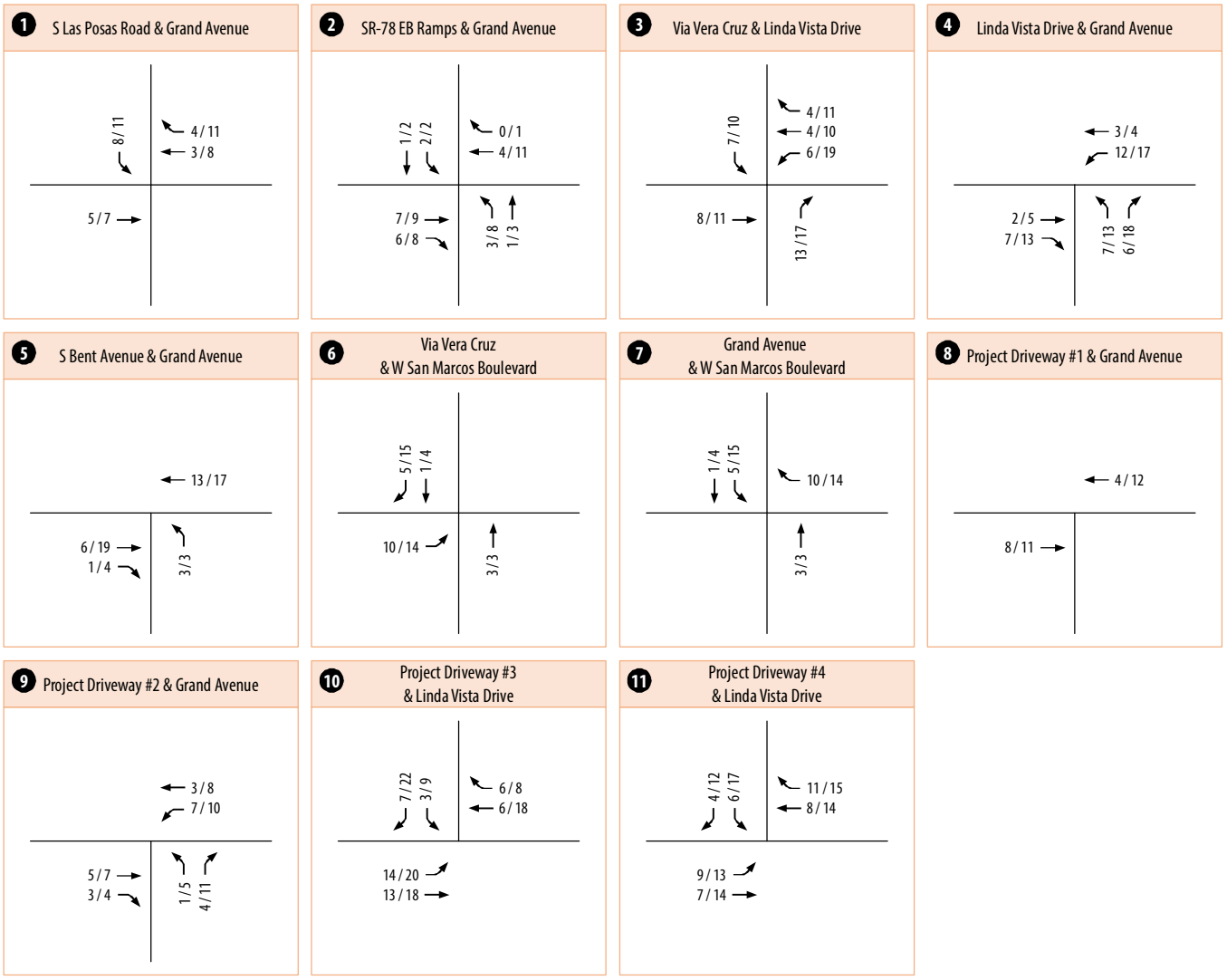
Figure 3.4A
Project Trip Assignment
Office and Retail



San Marcos Artist's Village
Local Transportation Analysis

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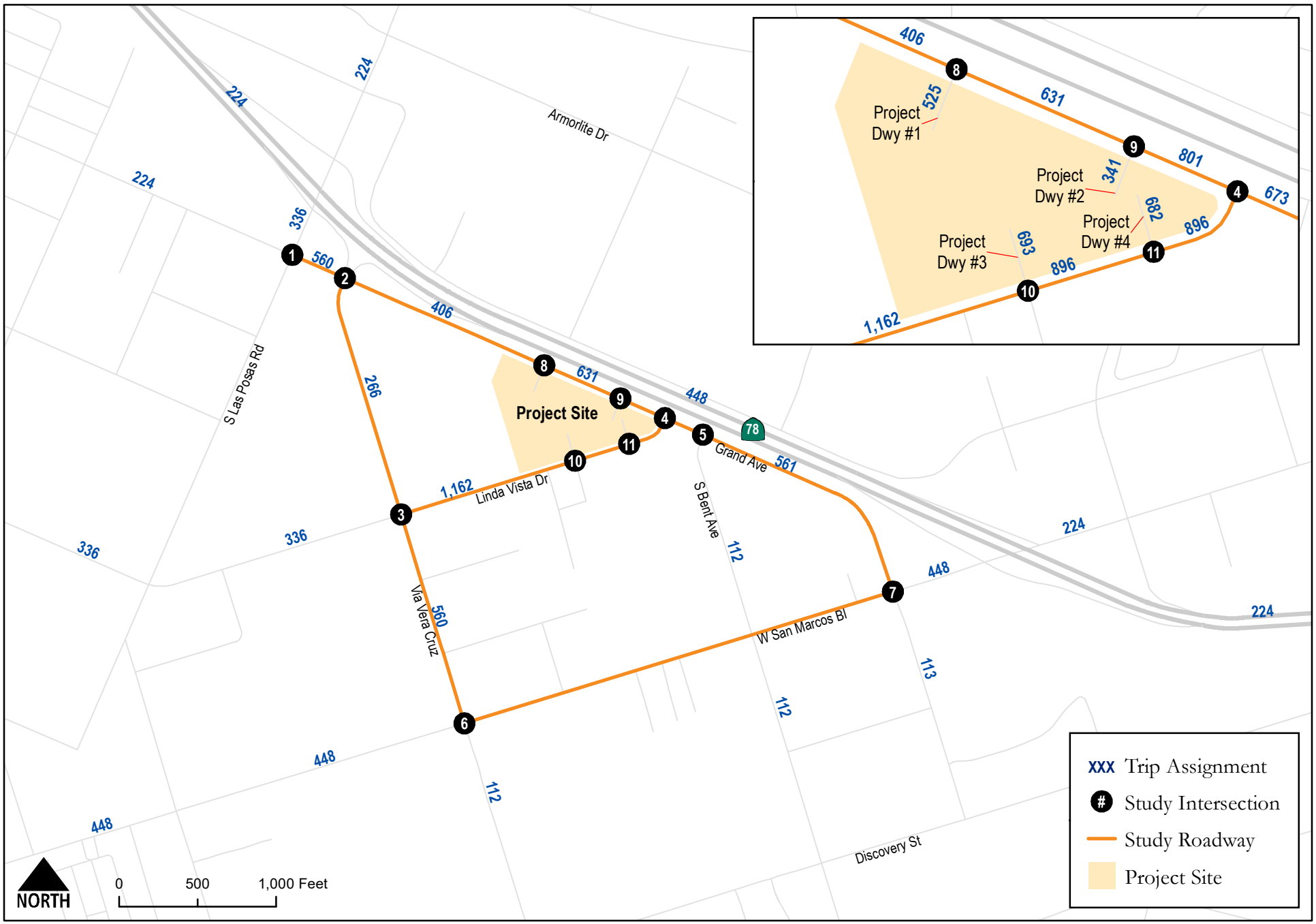
Figure 3.4B
Project Trip Assignment
Office and Retail



San Marcos Artist's Village
Local Transportation Analysis

Figure 3.5A
Project Trip Assignment

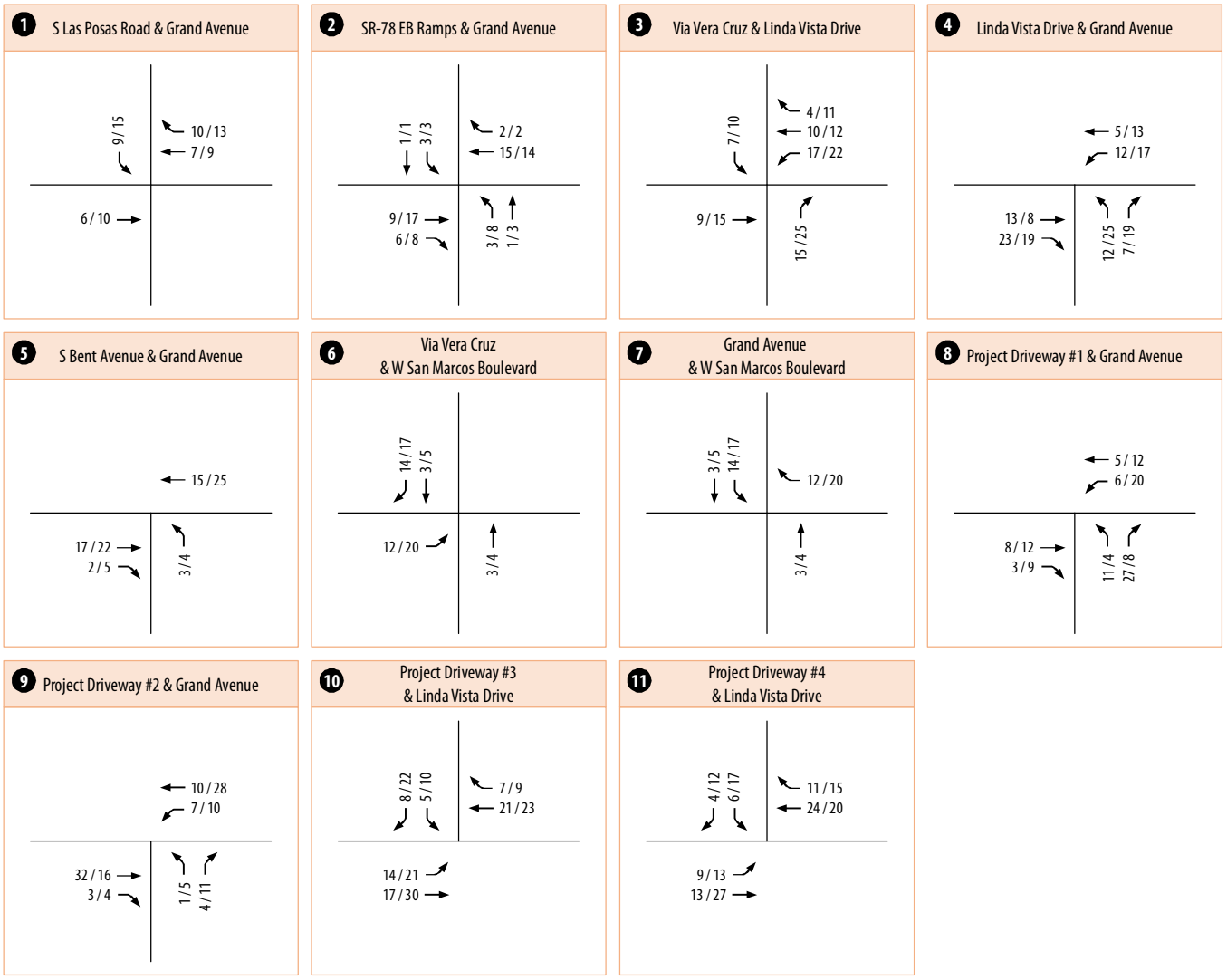


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Figure 3.5B
Project Trip Assignment

3.3 Project Study Area

Based on the study area criteria previously outlined in Chapter 2, the project trip assignment shown in Figures 3.5A and 3.5B, and the preliminary project scoping with City of San Marcos staff, the following roadway segments and intersections were included for analysis:

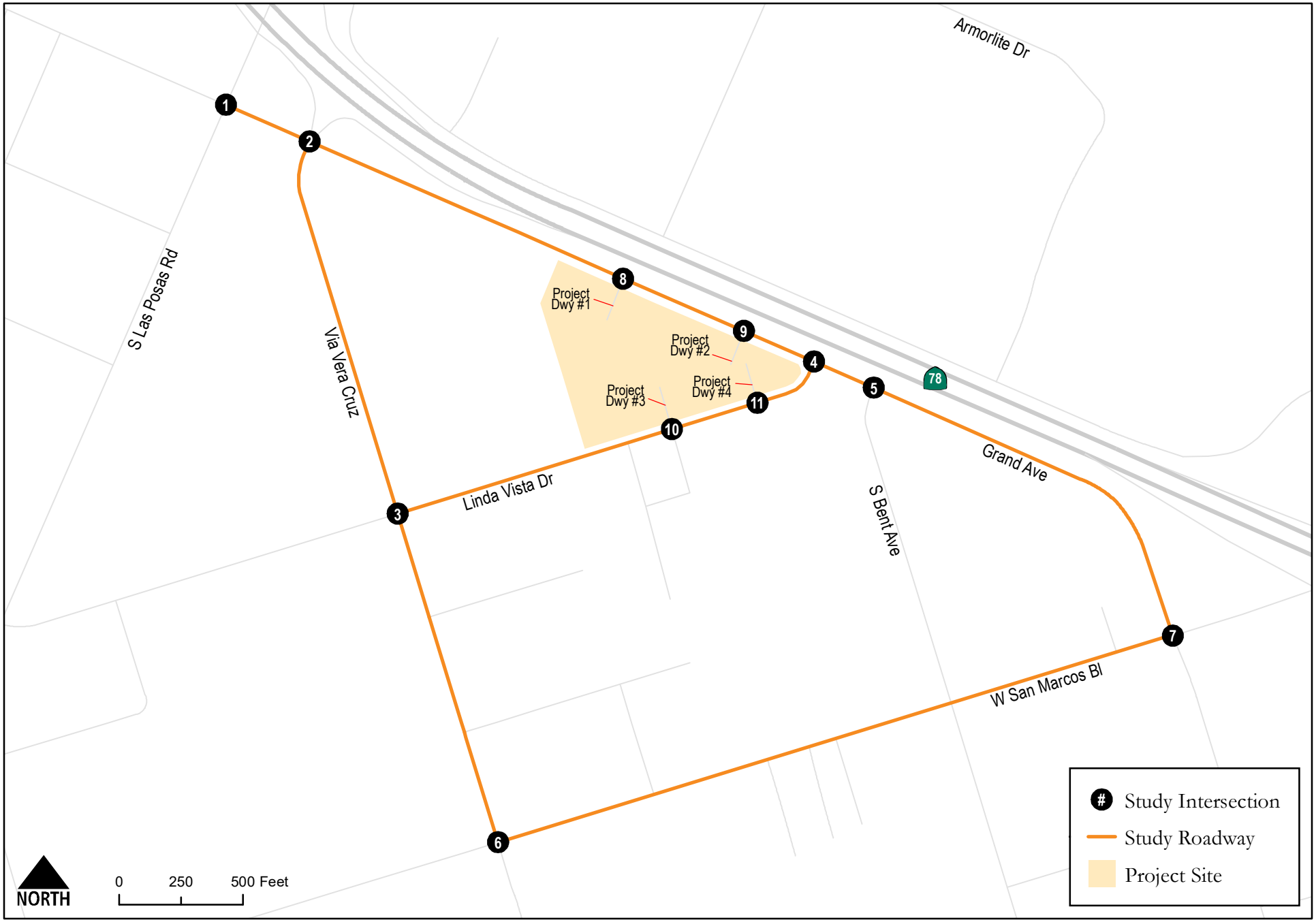
Roadway Segments

- Via Vera Cruz, between Grand Avenue and Linda Vista Drive
- Via Vera Cruz, between Linda Vista Drive and West San Marcos Boulevard
- Grand Avenue, between Las Posas Road and Via Vera Cruz
- Grand Avenue, between Via Vera Cruz and Linda Vista Drive
- Grand Avenue, between Linda Vista Drive and West San Marcos Boulevard
- Linda Vista Drive, between Via Vera Cruz and Grand Avenue
- West San Marcos Boulevard, between Via Vera Cruz and South Bent Avenue
- West San Marcos Boulevard, between South Bent Avenue and Grand Avenue

Intersections

1. South Las Posas Road & Grand Avenue
2. SR-78 EB Ramps/Via Vera Cruz & Grand Avenue
3. Via Vera Cruz & Linda Vista Drive
4. Linda Vista Drive & Grand Avenue
5. South Bent Avenue & Grand Avenue
6. Via Vera Cruz & West San Marcos Boulevard
7. Grand Avenue & West San Marcos Boulevard
8. Project Driveway #1 & Grand Avenue
9. Project Driveway #2 & Grand Avenue
10. Project Driveway #3 & Linda Vista Drive
11. Project Driveway #4 & Linda Vista Drive

Figure 3.6 displays the overall project study area.



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Local Transportation Analysis

Figure 3.6
Project Study Area

4.0 Active Transportation Evaluation

This section discusses the project site's active transportation modes.

4.1 Transit Access

The project site is within one half mile of the transit lines serviced by North County Transit District (NCTD) described below:

- Bus Route 347 – This bus route is serviced along West Mission Road and North Las Posas Road within the project study area. This bus route connects the Palomar College Transit Center to the CSU San Marcos SPRINTER Station. Operations starts at 5:31 AM and ends at 7:21 PM between Monday and Friday with 30-minute intervals. On Saturdays, operations start at 7:22 AM and ends at 7:08 PM with 60-minute intervals. This route does not operate on Sundays.
- Bus Route 445 – This bus route is serviced along West Mission Road and North Las Posas Road within the project study area. This bus route connects the Palomar College Transit Center to the Carlsbad Poinsettia Station (COASTER Connection). Between Monday and Friday, operations start at 6:34 AM and ends at 10:19 AM with 30-minute intervals for the morning period. Similarly, between Monday and Friday, operates start at 3:36 PM and ends at 7:19 PM with 30-minutes intervals for the afternoon period. This route does not operate on Saturdays or Sundays.
- SPRINTER – This light rail line runs between Oceanside Transit Center and Escondido Transit Center (eastbound and westbound direction). The nearest stop to the project site is the Palomar College Transit Center. Operation starts at 4:17 AM and ends at 9:10 PM between Monday and Sunday with 30-minute intervals.

Based on the preliminary review of the project site plan, the Project would not conflict with existing or planned transit facilities and would not result in any impacts to transit facilities.

4.2 Bicycle

Under Existing conditions, there are no Class II bicycle facilities along project frontage. However, per the City of San Marcos General Plan, there are planned Class II bicycle facilities along the segments of Grand Avenue and Linda Vista Drive fronting the Project. Based on the preliminary review of the project site plan, the Project would construct a Class I bike path at its project frontage along the segments of Linda Vista Drive and Grand Avenue.

4.3 Pedestrian

Sidewalks are proposed along the segments of Grand Avenue and Linda Vista Drive fronting the Project. Sidewalks are also proposed throughout the internal roadways providing direct access to dwelling units, office and commercial buildings, and other on-site amenities.

Based on the preliminary review of the project site plan, the following recommendation is provided:

- Reconstruct curb ramps located along project driveways, if needed, to include detectable surface warning tactiles (yellow truncated domes) and meet all ADA requirements.

Implementation of the recommendation above should enhance the walkability and safety of the overall pedestrian environment and would not result in any impacts to pedestrian facilities.

5.0 Existing Conditions

This chapter provides a qualitative description of the transportation facilities located in the project study area. A LOS analysis of the existing operations of the local transportation network facilities is also provided for study roadway segments and intersections.

5.1 Existing Transportation Network

Access to the Project from the regional transportation network will be provided via California State Route 78 (SR-78) freeway, Via Vera Cruz, Grand Avenue, Linda Vista Drive, and West San Marcos Boulevard. These facilities will either provide a direct connection to the Project, via a project driveway, or will provide a critical link between the Project and the regional transportation network. **Table 5.1** summarizes the existing physical characteristics of roadways within the study area. **Figure 5.1** displays the functional classifications for study roadway segments and **Figure 5.2** displays the intersection geometrics for study intersections under Existing conditions.

5.2 Existing Intersection Volumes

Traffic counts for study roadway segments and intersections were conducted on May 19, 2022, by Elite Traffic Dynamics, LLC. Traffic count worksheets are provided in **Appendix F**. To ensure that current travel patterns reflect traffic conditions prior to the COVID-19 restrictions, a count validation was conducted by comparing May 2022 traffic counts with historical traffic counts from November 2017 and May 2018. Historical traffic counts were obtained from the traffic study for the Bent Avenue Panera Bread project prepared by Linscott, Law & Greenspan, Engineers in December 2018. Based on the comparison it was determined that May 2022 traffic counts were greater than historical traffic counts. Thus, the May 2022 traffic counts were deemed appropriate to use for Existing conditions. **Figure 5.3A** displays existing daily traffic volumes for study roadway segments and **Figure 5.3B** displays the AM/PM peak hour turning movements for study intersections.

5.3 Existing Traffic Conditions

LOS analyses under Existing conditions were conducted using the methodologies described in Chapter 2. Roadway segment and intersection LOS analysis results are discussed below.

5.3.1 Roadway Segment Analysis

Table 5.2 displays roadway segment and LOS analysis results for study roadway segments under Existing conditions.

As shown, all study roadway segments currently operate at acceptable LOS D or better under Existing conditions, with the exception of the following roadway segment:

- West San Marcos Boulevard, between Via Vera Cruz and South Bent Avenue – LOS E.

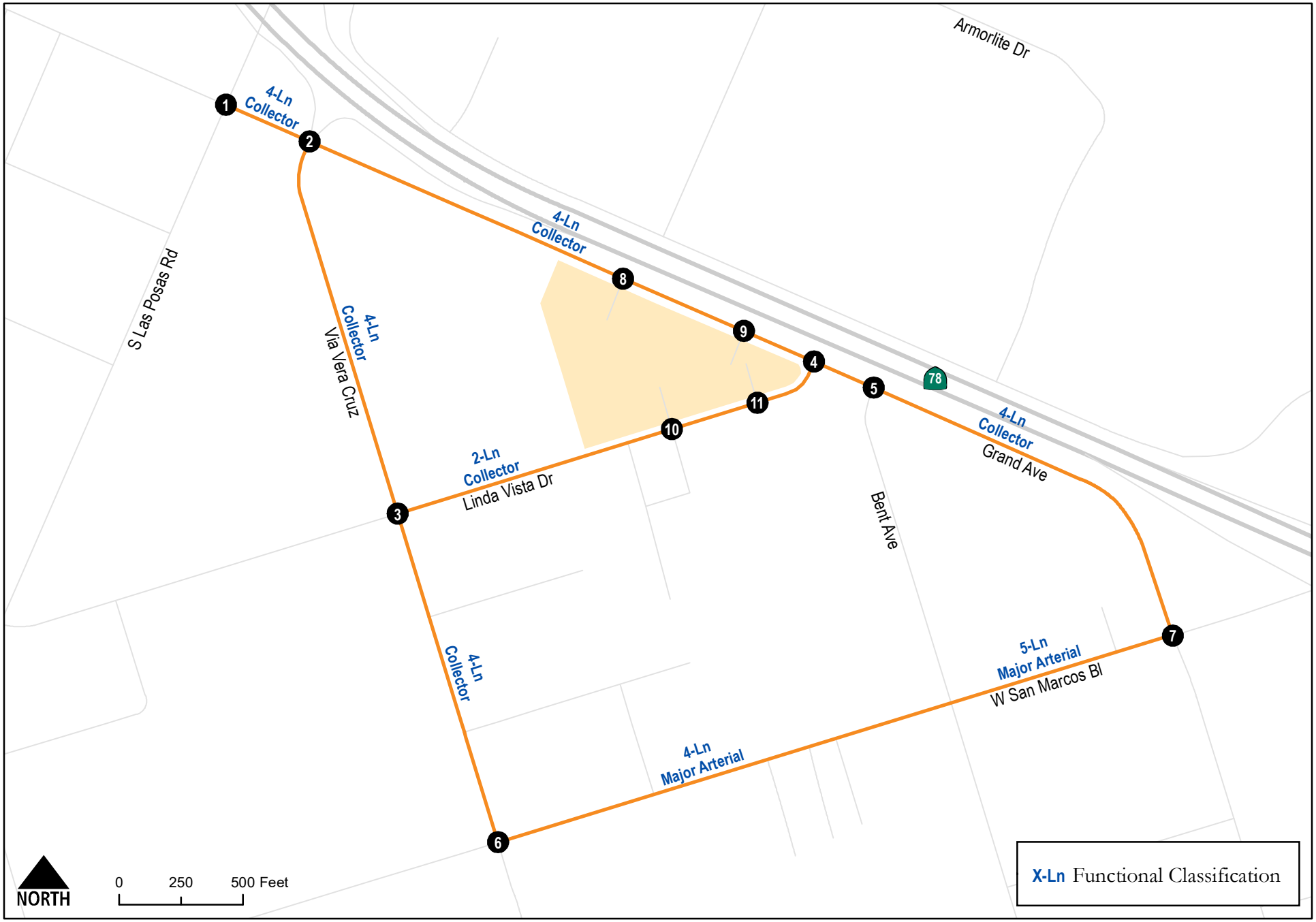

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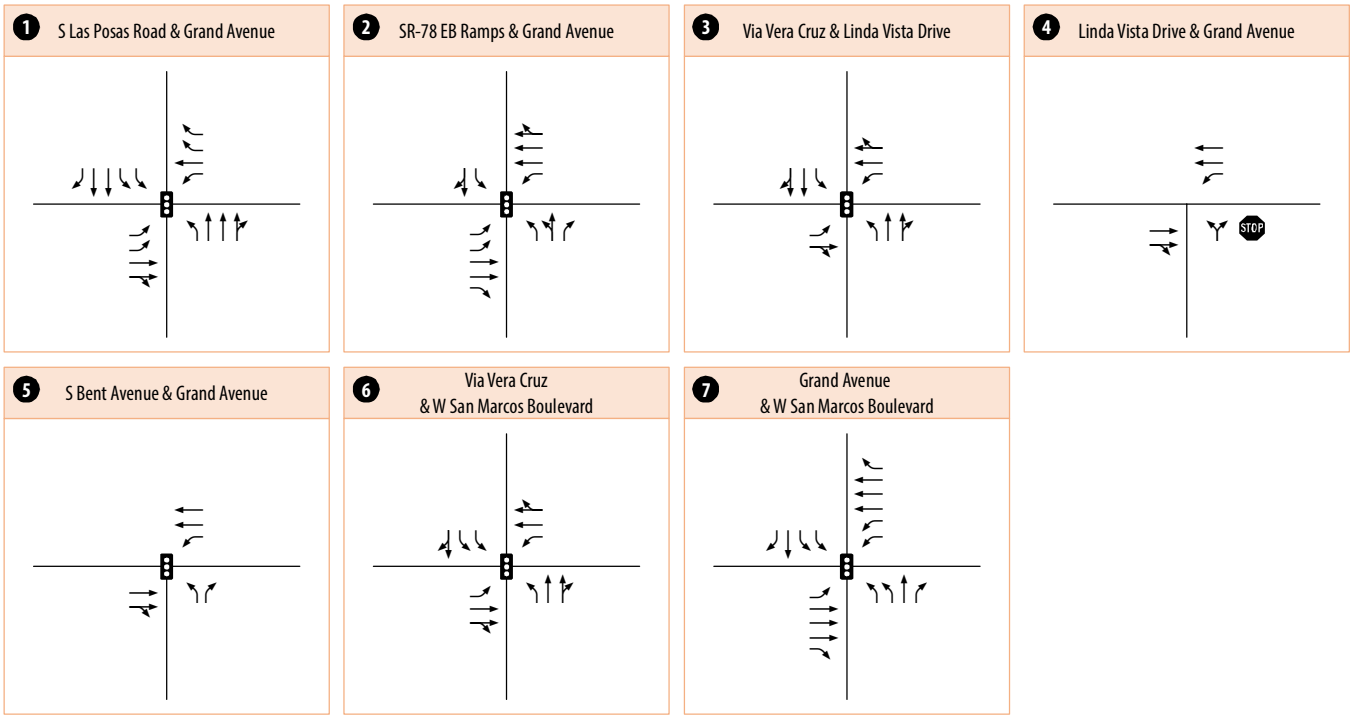
Figure 5.1
Functional Classifications
Existing Conditions



Legend

- X Study Intersection
- Lane Geometry
- Signalized Intersection
- STOP Stop Sign

*Names of North-South cross-streets always listed first

NORTH
NOT TO SCALE

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Figure 5.2
Intersection Geometrics
Existing Conditions

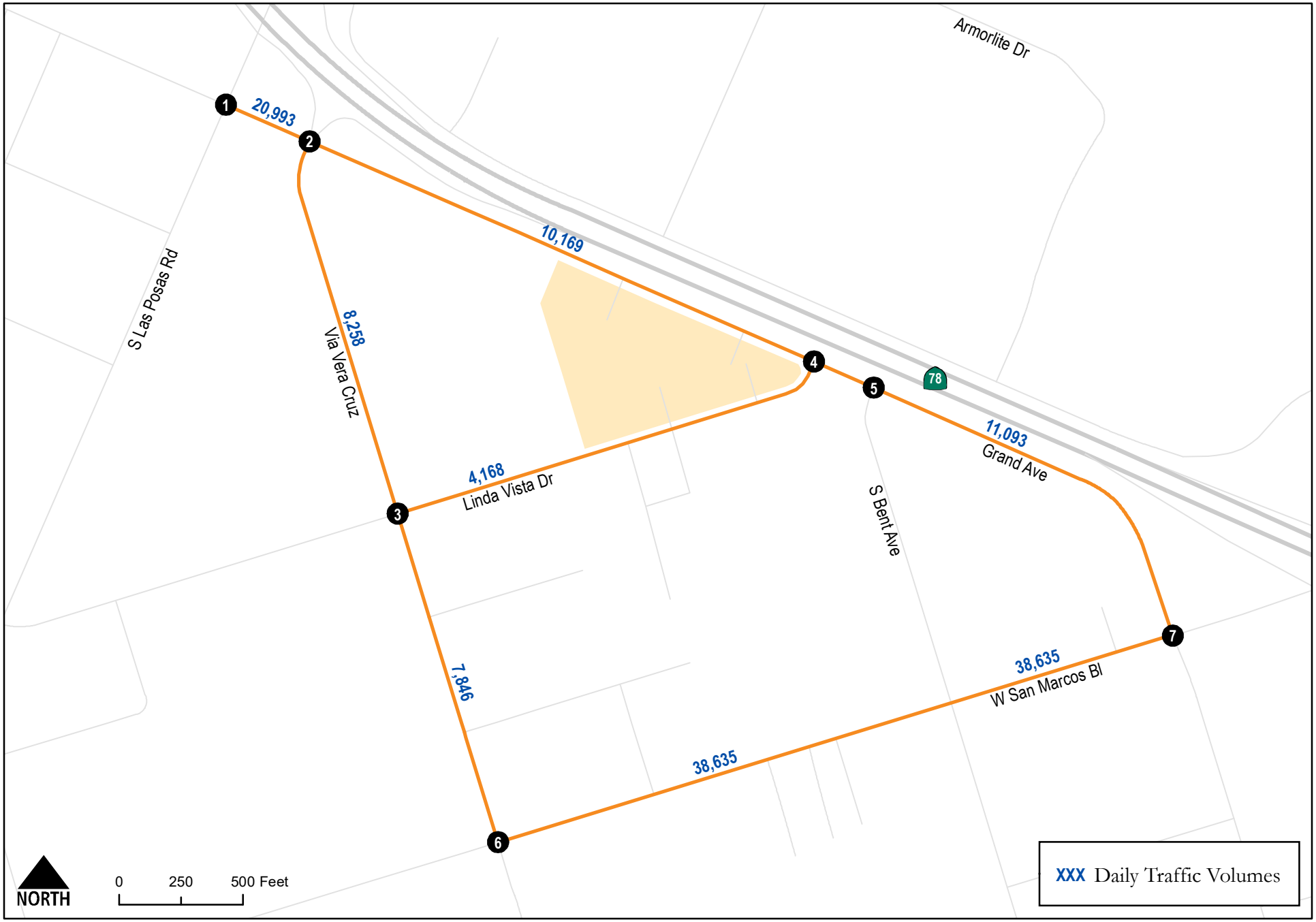

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Figure 5.3A
Traffic Volumes
Existing Conditions

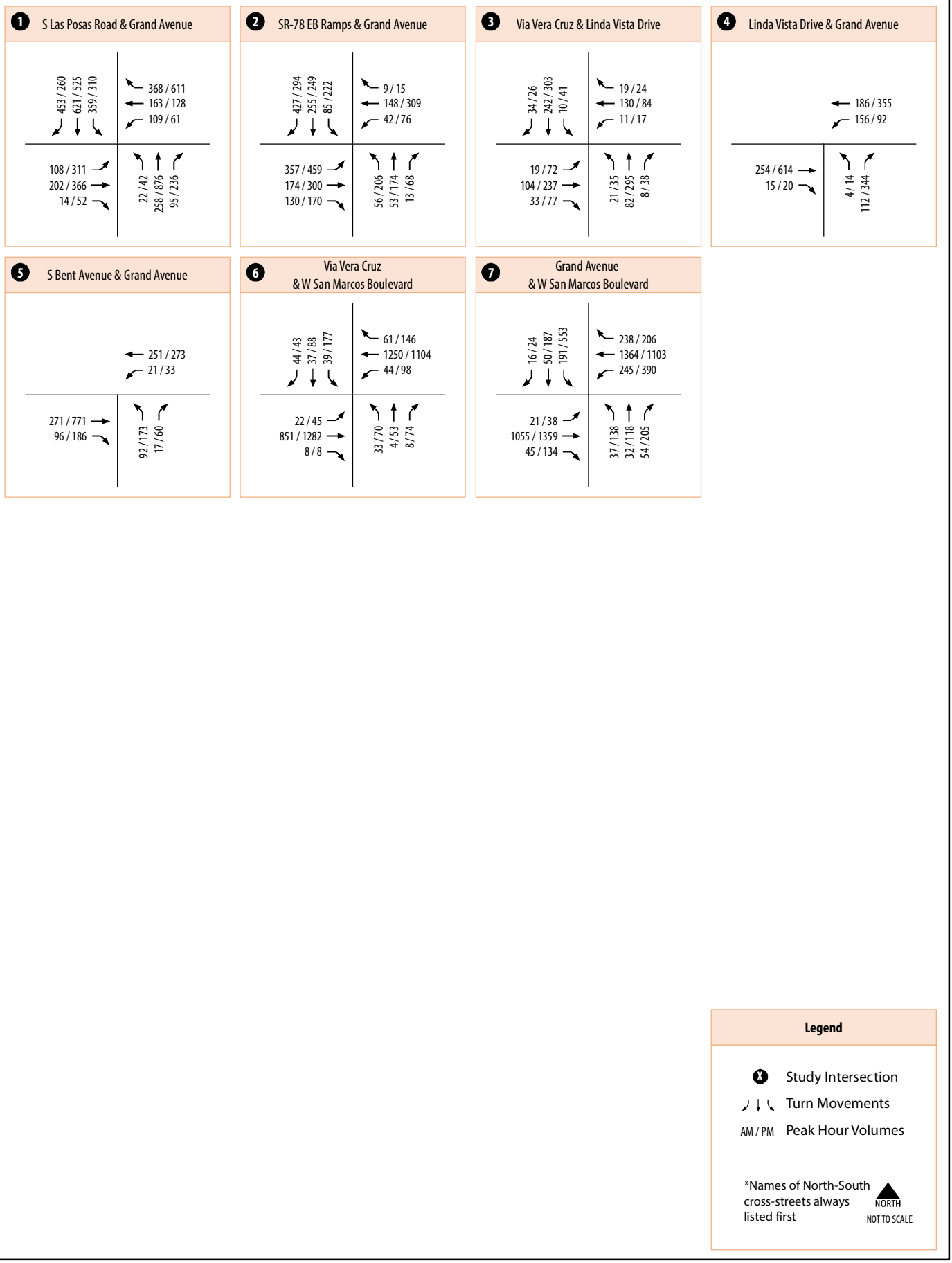

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Figure 5.3B
Traffic Volumes
Existing Conditions

Table 5.1 - Existing Transportation Network Characteristics

Roadway	Segment	Number of Lanes	Median Type	Posted Speed Limit	Sidewalk?	Bike lanes?	Transit Route
Via Vera Cruz	Grand Avenue to Linda Vista Drive	2 NB / 2 SB	CLTL/RM	40	Contiguous	Class II Bike Lanes	None
Via Vera Cruz	Linda Vista Drive to West San Marcos Boulevard	2 NB / 2 SB	CLTL	40	East Side: Intermittently contiguous West Side: Contiguous	Class II Bike Lanes	None
Grand Avenue	Las Posas Road to Via Vera Cruz	2 EB / 2 WB	Striped	45	North Side: None South Side: Contiguous	None	None
Grand Avenue	Via Vera Cruz to Linda Vista Drive	2 EB / 2 WB	CLTL	45	North Side: None South Side: Intermittently contiguous	None	None
Grand Avenue	Linda Vista Drive to West San Marcos Boulevard	2 EB / 2 WB	CLTL	45	North Side: None South Side: Intermittently contiguous	None	None
Linda Vista Drive	Via Vera Cruz to Grand Avenue	1 EB / 1 WB	None	40	Intermittently Contiguous	None	None
West San Marcos Boulevard	Via Vera Cruz to South Bent Avenue	2 EB / 2 WB	RM	40	Contiguous	Class II Bikes Lanes	347
West San Marcos Boulevard	South Bent Avenue to Grand Avenue	3 EB / 2 WB	RM	40	Contiguous	Class II Bikes Lanes	347

Source: CR Associates (2022)

Notes:
RM = Raised Median
CLTL = Center Left-Turn Lane

Table 5.2 - Roadway Segment LOS Results – Existing Conditions

Roadway	Segment	Functional Classification	Roadway Capacity	Daily Volume	V/C	LOS
Via Vera Cruz	Grand Avenue to Linda Vista Drive	4-Lane Secondary Arterial/Collector	30,000	8,258	0.275	A
Via Vera Cruz	Linda Vista Drive to West San Marcos Boulevard	4-Lane Secondary Arterial/Collector	30,000	7,846	0.262	A
Grand Avenue	South Las Posas Road to Via Vera Cruz	4-Lane Secondary Arterial/Collector	30,000	20,993	0.700	D
Grand Avenue	Via Vera Cruz to Linda Vista Drive	4-Lane Secondary Arterial/Collector	30,000	10,169	0.339	B
Grand Avenue	Linda Vista Drive to West San Marcos Boulevard	4-Lane Secondary Arterial/Collector	30,000	11,093	0.370	B
Linda Vista Drive	Via Vera Cruz to Grand Avenue	2-Lane Collector (Commercial/Industrial Fronting)	8,000	4,168	0.521	B
West San Marcos Boulevard	Via Vera Cruz to South Bent Avenue	4-Lane Major Arterial	40,000	38,750	0.966	**E**
West San Marcos Boulevard	South Bent Avenue to Grand Avenue	5-Lane Major Arterial	50,000	38,750	0.773	D

Source: CR Associates (2022)

5.3.2 Intersection Analysis

Table 5.3 displays intersection LOS and average vehicle delay results for the study intersections under Existing conditions. LOS calculation worksheets for Existing conditions are provided in **Appendix G**.

As shown, all study intersections currently operate at acceptable LOS D or better under Existing conditions, with the exception of the following intersection:

- SR-78 EB Ramps/Via Vera Cruz & Grand Avenue – LOS E during the PM peak hour.

Table 5.3 - Peak Hour Intersection LOS Results – Existing Conditions

#	Intersection	Control Type	Peak Hour	Avg. Delay (sec.)	LOS
1	South Las Posas Road & Grand Avenue	Signal	AM	31.6	C
			PM	39.1	D
2	SR-78 EB Ramps/Via Vera Cruz & Grand Avenue	Signal	AM	49.0	D
			PM	57.6	**E**
3	Via Vera Cruz & Linda Vista Drive	Signal	AM	16.4	B
			PM	19.9	B
4	Linda Vista Drive & Grand Avenue	SSSC	AM	10.2	B
			PM	19.3	C
5	South Bent Avenue & Grand Avenue	Signal	AM	7.8	A
			PM	11.3	B
6	Via Vera Cruz & West San Marcos Boulevard	Signal	AM	18.8	B
			PM	50.8	D
7	Grand Avenue & West San Marcos Boulevard	Signal	AM	34.2	C
			PM	46.7	D

Source: CR Associates (2022)

Notes:
Bold indicates LOS E or F.
SSSC = Side-Street Stop-Controlled. For SSSC intersections, the delay shown is the worst delay experienced by any of the approaches.

6.0 Near-Term Year 2024 Conditions

This section provides an analysis of Near-Term Year 2024 Base traffic conditions both with and without the Project. The scenarios analyzed in this section include:

- Near-Term Year 2024 Base
- Near-Term Year 2024 Base with Project

6.1 Cumulative Project Traffic

The following ten (10) projects were identified by City of San Marcos staff as cumulative projects, since they are anticipated to contribute traffic within the project study area by the Project's opening year:

1. Pacific Commercial – This project is located at the northeast corner of the Grand Avenue and Pacific Street intersection. This project proposes to construct a 122-room hotel.
2. San Marcos Highlands – This project is located at the north end of Las Posas Road. This project proposes to construct 187 single-family residential dwelling units as well as a 21.68-acre passive park.
3. El Dorado II Specific Plan – This project is located at the southwest corner of the Richmar Avenue and Pleasant Way intersection. This project proposes to construct 72 multi-family dwelling units as well as 2,000 square feet of specialty retail.
4. Villa Serena – This project is located the northwest corner of the Richmar Avenue and Marcos Street intersection. This project proposes to construct 12 multi-family dwelling units.
5. Mariposa (Phase 1) – This project is located at the northeast corner of the Richmar Avenue and Los Olivos Drive intersection. This project proposes to develop 60 multi-family dwelling units.
6. Murai Subdivision – This project is located at the north end of Las Posas Road. This project proposes to construct 89 single-family residential dwelling units.
7. Pacifica San Marcos – This project is located at the southeast corner of the Rancho Santa Fe Road and 9th Street intersection. This project proposes to construct 31 multi-family dwelling units as well as 4,375 square feet of commercial use.
8. Karl Strauss Brewery – This project is located at the southeast corner of the North Las Posas Road and Armorlite Drive intersection. This project proposes to construct 10,528 square feet of uses that include a tasting room, commercial kitchen, and entertainment room.
9. Gran Vista Multi-Family – This project is located 250 feet northwest of the West Mission Road & North Las Posas Road intersection. This project proposes to construct 120 multi-family dwelling units.
10. Hughes Circuits – This project is located 650 feet south of the South Pacific Street & Linda Vista Drive intersection. This project proposes to construct 8,000 SF of office, 44,410 SF of warehouse, and 15,000 SF of manufacturing.

The traffic generated from the projects listed above was included in the Near-Term Year 2024 Base scenario. **Figure 6.1** displays the location of the cumulative projects identified above.

6.2 Cumulative Project Trip Generation

Cumulative project traffic was assigned to the project study area as identified within their respective traffic studies provided by the City of San Marcos. Cumulative project traffic for cumulative projects without completed traffic studies were estimated and assigned to the project study area utilizing the same methodology used for the Project, described in Chapter 3.0, consistent with the City's TIAG. Based on the obtained and assumed trip distribution patterns, only a few cumulative projects carry trips through the project study area. These trips primarily travel along S Las Posas Road, Grand Avenue, and W San Marcos Boulevard. **Table 6.1** displays the projected trip generation for the cumulative projects. **Figure 6.2A** displays the daily cumulative project trip assignment for study roadway segments and **Figure 6.2B** displays the AM/PM peak hour cumulative project trip assignment for study intersections. Relevant excerpts from the source of information regarding the cumulative project are provided in **Appendix H**.

Table 6.1 - Cumulative Project Trip Generation

Cumulative Project	Land Use	Daily Trips	AM Peak Hour (In/Out)	AM Peak Hour (In/Out)
Pacific Commercial	Hotel	854	69 (28-in/41-out)	77 (46-in/31-out)
San Marcos Highlands[1]	Single Family Residential/Passive Park	1,998	165 (52-in/113-out)	199 (137-in/62-out)
El Dorado II Specific Plan	Multi-Family Residential/Specialty Retail	512	38 (9-in/29-out)	47 (31-in/16-out)
Villa Serena	Multi-Family Residential	96	8 (2-in/6-out)	10 (7-in/3-out)
Mariposa (Phase 1)	Multi-Family Residential	360	29 (6-in/23-out)	33 (23-in/10-out)
Murai Subdivision[2]	Single Family Residential	890	71 (21-in/50-out)	89 (62-in/27-out)
Pacifica San Marcos	Multi-Family Residential/Specialty Retail	361	21 (7-in/14-out)	33 (20-in/13-out)
Karl Strauss Brewery	Brewery/Restaurant	1,685	135 (68-in/67-out)	135 (81-in/54-out)
Gran Vista Multi-Family[3]	Multi-Family Residential	960	77 (15-in/62-out)	96 (67-in/29-out)
Hughes Circuits[4]	Office, Warehouse, Manufacturing	348	38 (32-in/6-out)	43 (9-in/34-out)
	Total	**8,064**	**651 (240-in/411-out)**	**762 (483-in/279-out)**

Source: SANDAG (not so) Brief Guide of Vehicular Traffic Generation Rates for the San Diego Region (April 2002)

Notes:
[1] Trip generation obtained from the San Marcos Highlands Traffic Impact Analysis Report prepared by RBF Consulting (February 2015)
[2] Trip generation obtained from the Murai Subdivision Traffic Impact Analysis Report prepared by STC Traffic Inc (April 2017)
[3] Trip generation obtained from the Gran Vista Multi-Family Transportation Impact Analysis Report prepared by CR Associates (February 2023)
[4] Trip generation obtained from the Hughes Circuits Transportation Impact Analysis Report prepared by CR Associates (March 2023)

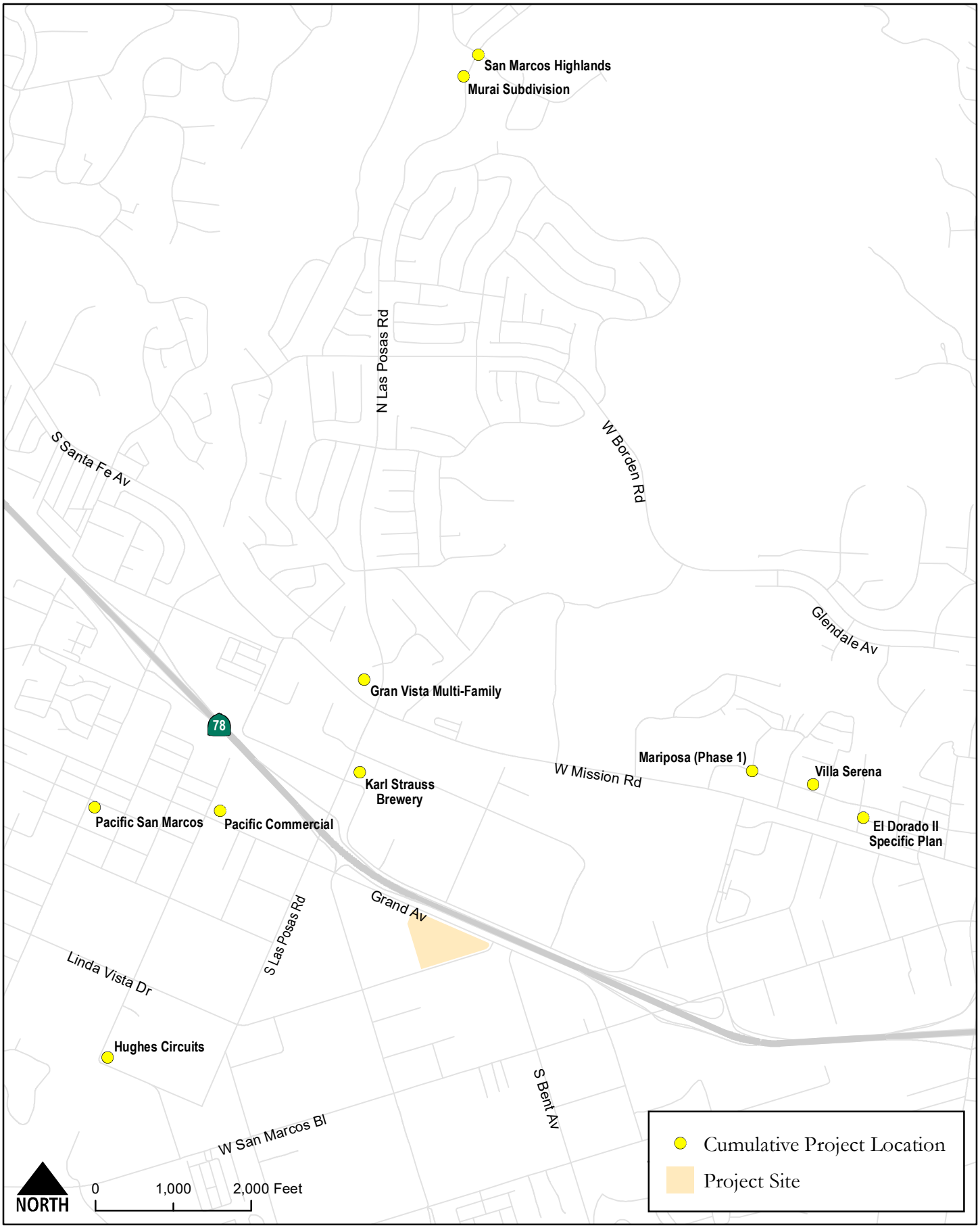

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Figure 6.1
Cumulative Project Locations

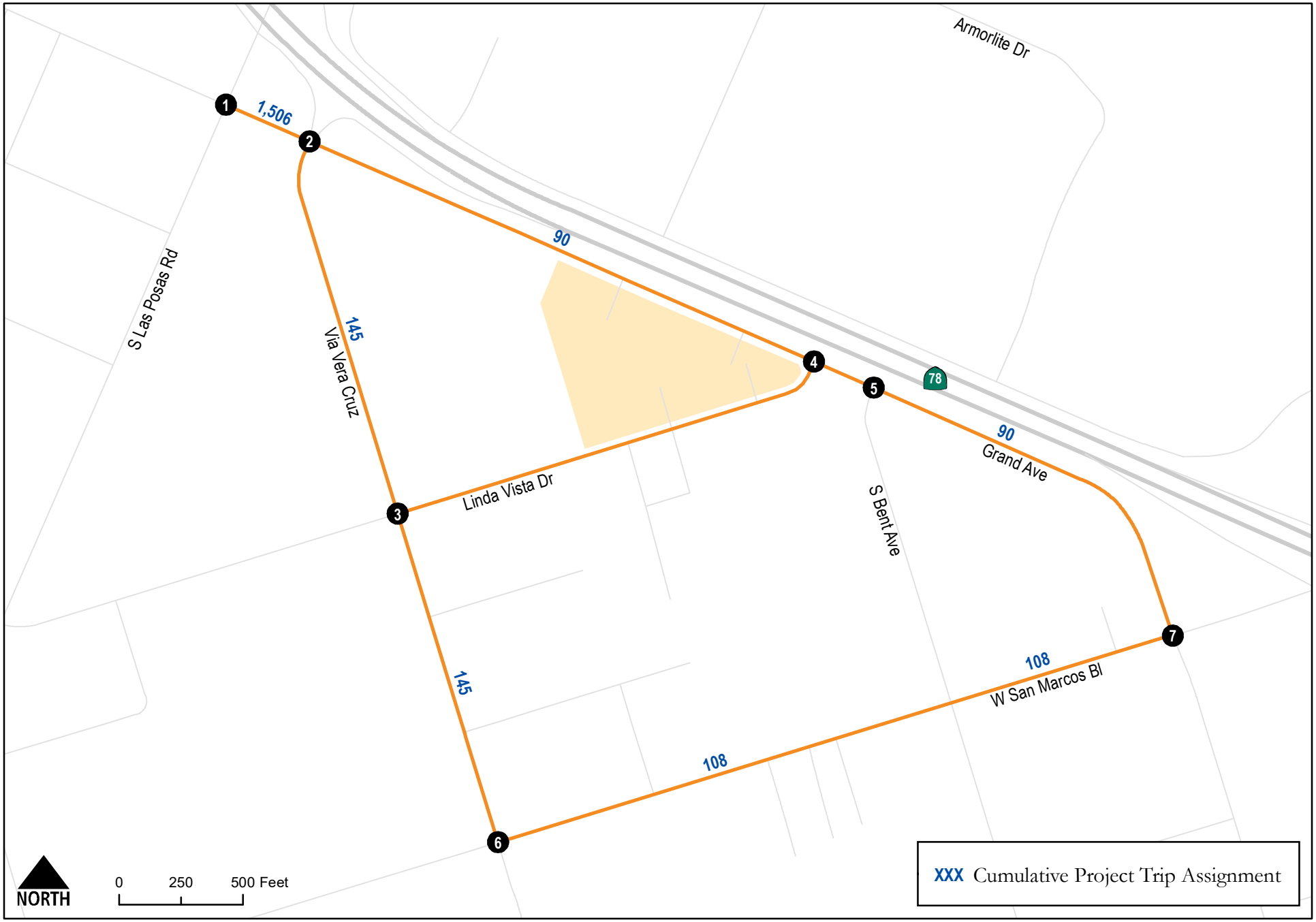

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Figure 6.2A
Cumulative Project Trip Assignment

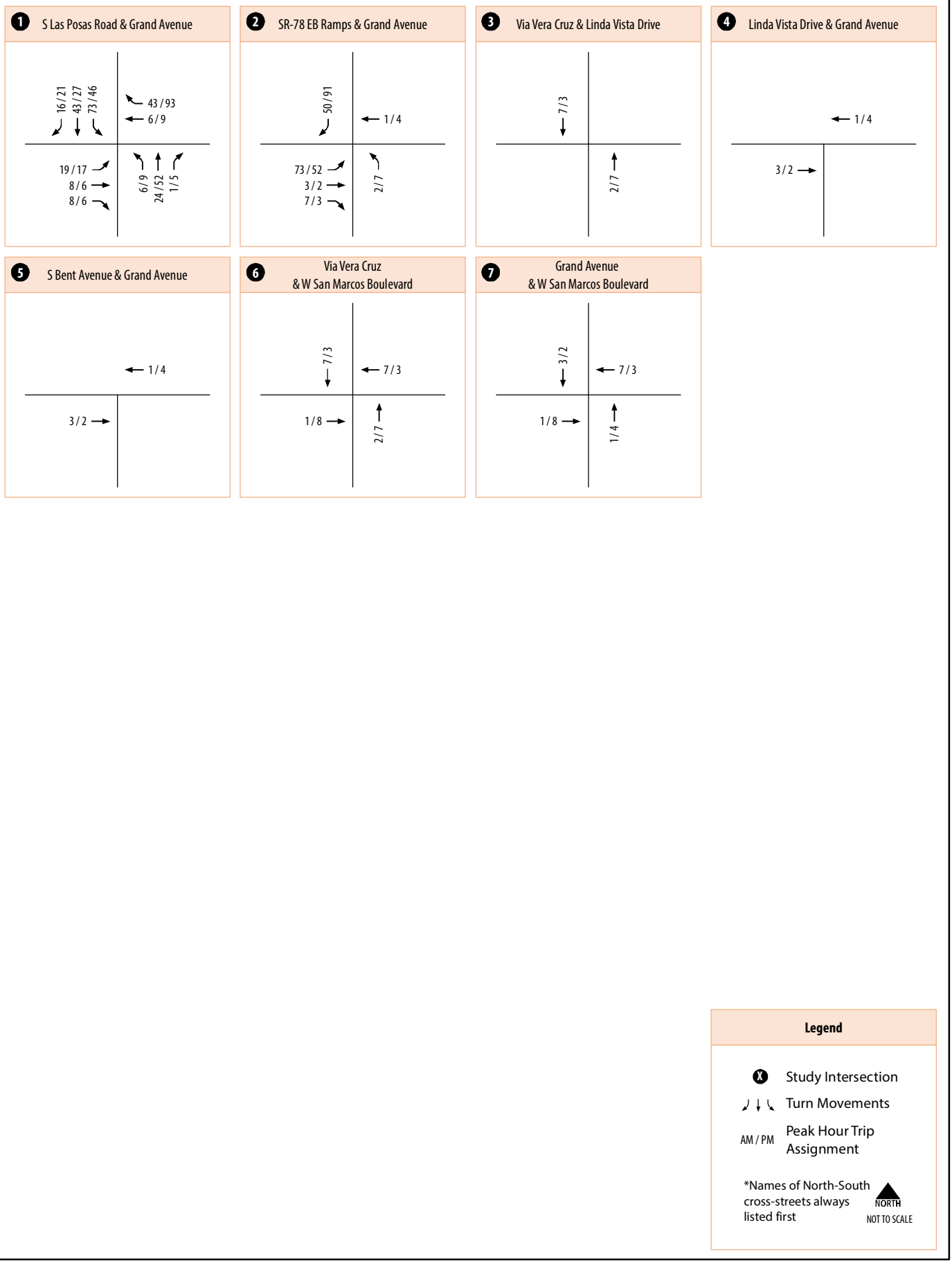

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Figure 6.2B
Cumulative Project Trip Assignment

As shown, the cumulative projects are anticipated to generate 8,064 daily trips, including 651 trips during the AM peak hour and 762 trips during the PM peak hour, that will be dispersed throughout the San Marcos community and beyond the project study area.

6.3 Near-Term Year 2024 Base Roadway Network and Traffic Volumes

Roadway segment functional classifications and intersection geometrics under Near-Term Year 2024 Base conditions were assumed to be identical to Existing conditions (Figure 5.1 and Figure 5.2). The Near-Term Year 2024 Base scenario traffic volumes were derived by adding the additional trips generated by the cumulative projects listed in Section 6.1 (Figure 6.2A and Figure 6.2B) to the existing traffic volumes (Figure 5.3A and Figure 5.3B). **Figure 6.3A** displays projected daily traffic volumes for study roadway segments and **Figure 6.3B** displays the projected AM/PM peak hour turning movements for study intersections under Near-Term Year 2024 Base conditions.

6.4 Near-Term Year 2024 Base Traffic Conditions

LOS analyses under Near-Term Year 2024 Base conditions were conducted using the methodologies described in Chapter 2. Roadway segment and intersection LOS analysis results are discussed below.

6.4.1 Roadway Segment Analysis

Table 6.2 displays roadway segment LOS analysis results for study roadway segments under Near-Term Year 2024 Base conditions.

As shown, all study roadway segments are projected to operate at acceptable LOS D or better under Near-Term Year 2024 Base conditions, with the exception of the following roadway segment:

- West San Marcos Boulevard, between Via Vera Cruz and South Bent Avenue – LOS E.

6.4.2 Intersection Analysis

Table 6.3 displays intersection LOS and average vehicle delay results for the study intersections under Near-Term Year 2024 Base conditions. LOS calculation worksheets for Near-Term Year 2024 Base conditions are provided in **Appendix I**.

As shown, all study intersections are projected to operate at acceptable LOS D or better under Near-Term Year 2024 Base conditions, with the exception of the following intersection:

- SR-78 EB Ramps/Via Vera Cruz & Grand Avenue – LOS E during the AM peak hour and LOS F during the PM peak hour.

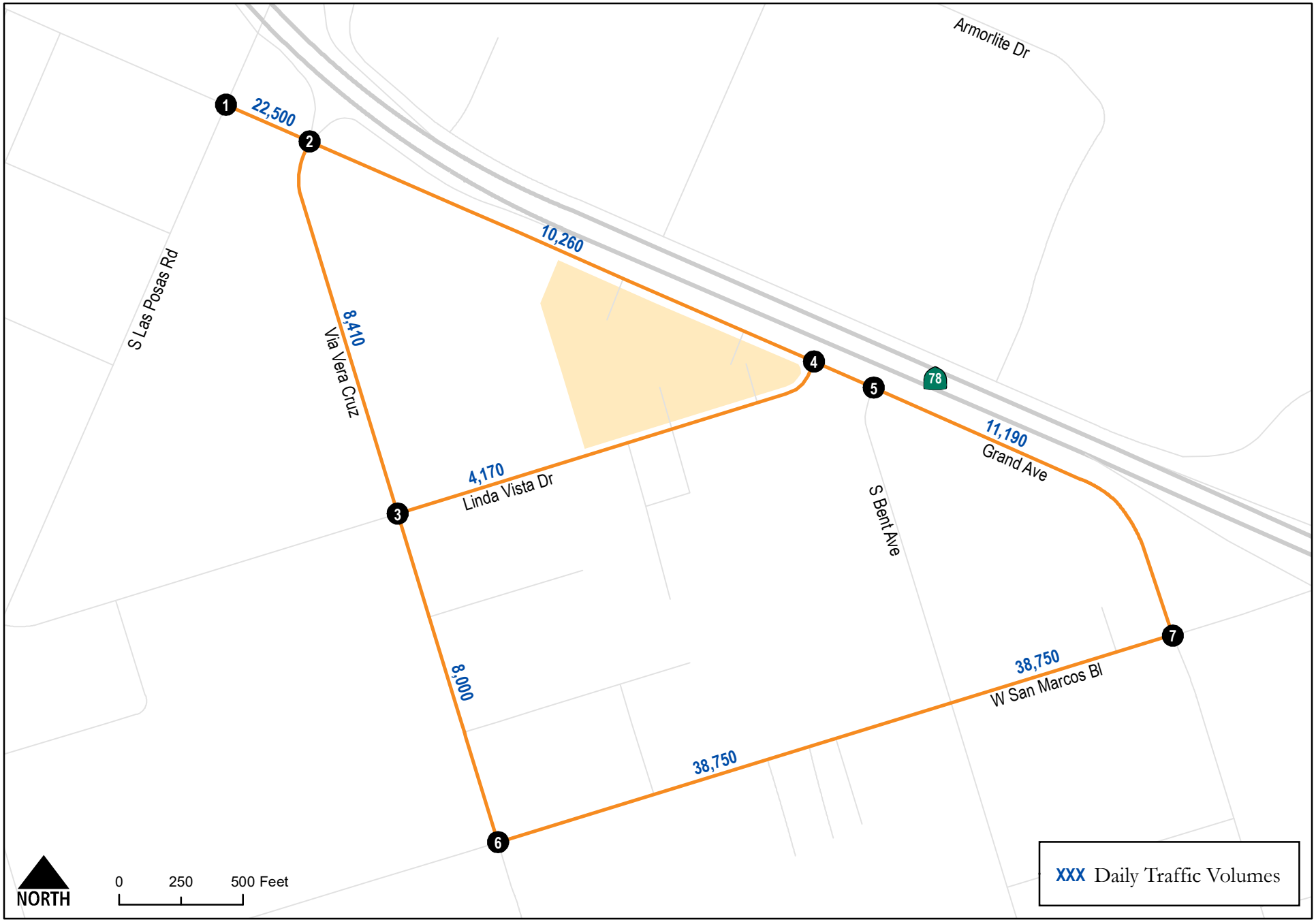

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Figure 6.3A
Traffic Volumes
Near-Term Year 2024 Base Conditions

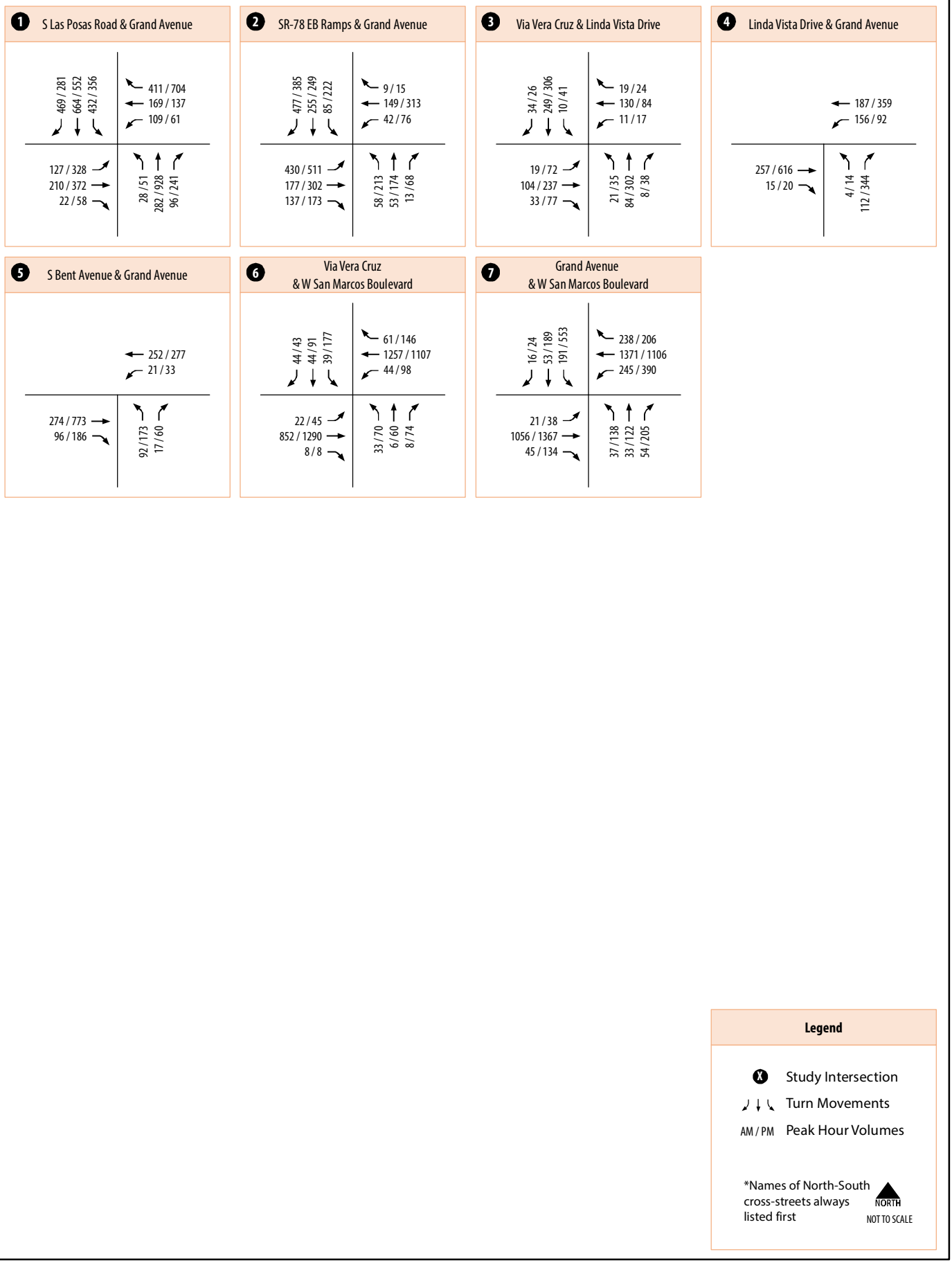

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Figure 6.3B
Traffic Volumes
Near-Term Year 2024 Base Conditions

Table 6.2 - Roadway Segment LOS Results – Near-Term Year 2024 Base Conditions

Roadway	Segment	Functional Classification	Roadway Capacity	Daily Volume	V/C	LOS
Via Vera Cruz	Grand Avenue to Linda Vista Drive	4-Lane Secondary Arterial/Collector	30,000	8,260	0.275	A
Via Vera Cruz	Linda Vista Drive to West San Marcos Boulevard	4-Lane Secondary Arterial/Collector	30,000	7,850	0.262	A
Grand Avenue	South Las Posas Road to Via Vera Cruz	4-Lane Secondary Arterial/Collector	30,000	22,500	0.750	D
Grand Avenue	Via Vera Cruz to Linda Vista Drive	4-Lane Secondary Arterial/Collector	30,000	10,170	0.339	B
Grand Avenue	Linda Vista Drive to West San Marcos Boulevard	4-Lane Secondary Arterial/Collector	30,000	11,100	0.370	B
Linda Vista Drive	Via Vera Cruz to Grand Avenue	2-Lane Collector (Commercial/Industrial Fronting)	8,000	4,170	0.521	C
West San Marcos Boulevard	Via Vera Cruz to South Bent Avenue	4-Lane Major Arterial	40,000	38,750	0.969	**E**
West San Marcos Boulevard	South Bent Avenue to Grand Avenue	5-Lane Major Arterial	50,000	38,750	0.775	D

Source: CR Associates (2022)

Table 6.3 - Peak Hour Intersection LOS Results – Near-Term Year 2024 Base Conditions

#	Intersection	Control Type	Peak Hour	Avg. Delay (sec.)	LOS
1	South Las Posas Road & Grand Avenue	Signal	AM	31.7	C
			PM	39.8	D
2	SR-78 EB Ramps/Via Vera Cruz & Grand Avenue	Signal	AM	65.3	**E**
			PM	89.2	**F**
3	Via Vera Cruz & Linda Vista Drive	Signal	AM	16.4	B
			PM	19.9	B
4	Linda Vista Drive & Grand Avenue	SSSC	AM	10.1	B
			PM	17.9	C
5	South Bent Avenue & Grand Avenue	Signal	AM	7.8	A
			PM	11.3	B
6	Via Vera Cruz & West San Marcos Boulevard	Signal	AM	19.3	B
			PM	51.2	D
7	Grand Avenue & West San Marcos Boulevard	Signal	AM	34.2	C
			PM	47.2	D

Source: CR Associates (2022)

Notes:
Bold indicates LOS E or F.
SSSC = Side-Street Stop-Controlled. For SSSC intersections, the delay shown is the worst delay experienced by any of the approaches.

6.5 Near-Term Year 2024 Base with Project Roadway Network and Traffic Volumes

Roadway segment functional classifications and intersection geometrics under Near-Term Year 2024 Base with Project conditions were assumed to be identical to Near-Term Year 2024 Base conditions.

Traffic volumes for Near-Term Year 2024 Base with Project conditions were derived by combining the project trips (Figure 3.5A and Figure 3.5B) to the Near-Term Year 2024 Base traffic volumes (Figure 6.3A and Figure 6.3B). **Figure 6.4A** displays the projected daily traffic volumes for study roadway segments and **Figure 6.4B** displays the projected AM/PM peak hour turning movements for study intersections under Near-Term Year 2024 Base with Project conditions.

6.6 Near-Term Year 2024 Base with Project Traffic Conditions

LOS analyses under Near-Term Year 2024 Base with Project conditions were conducted using the methodologies described in Chapter 2. Roadway segment and intersection LOS analysis results are discussed below.

6.6.1 Roadway Segment Analysis

Table 6.4 displays roadway segment LOS analysis results for study roadway segments under Near-Term Year 2024 Base with Project conditions.

As shown, all study roadway segments are projected to operate at acceptable LOS D or better under Near-Term Year 2024 Base with Project conditions, with the exception of the following roadway segment:

- West San Marcos Boulevard, between Via Vera Cruz and South Bent Avenue – The roadway segment is projected to operate at LOS E under Near-Term Year 2024 Base with Project conditions. The roadway segment is already operating at substandard LOS under Near-Term Year 2024 Base conditions and the Project does not add any daily traffic along this segment.

This roadway segment is projected to operate at unacceptable LOS prior to the implementation of the Project. Project traffic would not increase the V/C ratio for this roadway segment by more than 0.02. Therefore, no study roadway segments are anticipated to degrade in LOS to unacceptable levels with implementation of the Project and no improvements will be required.

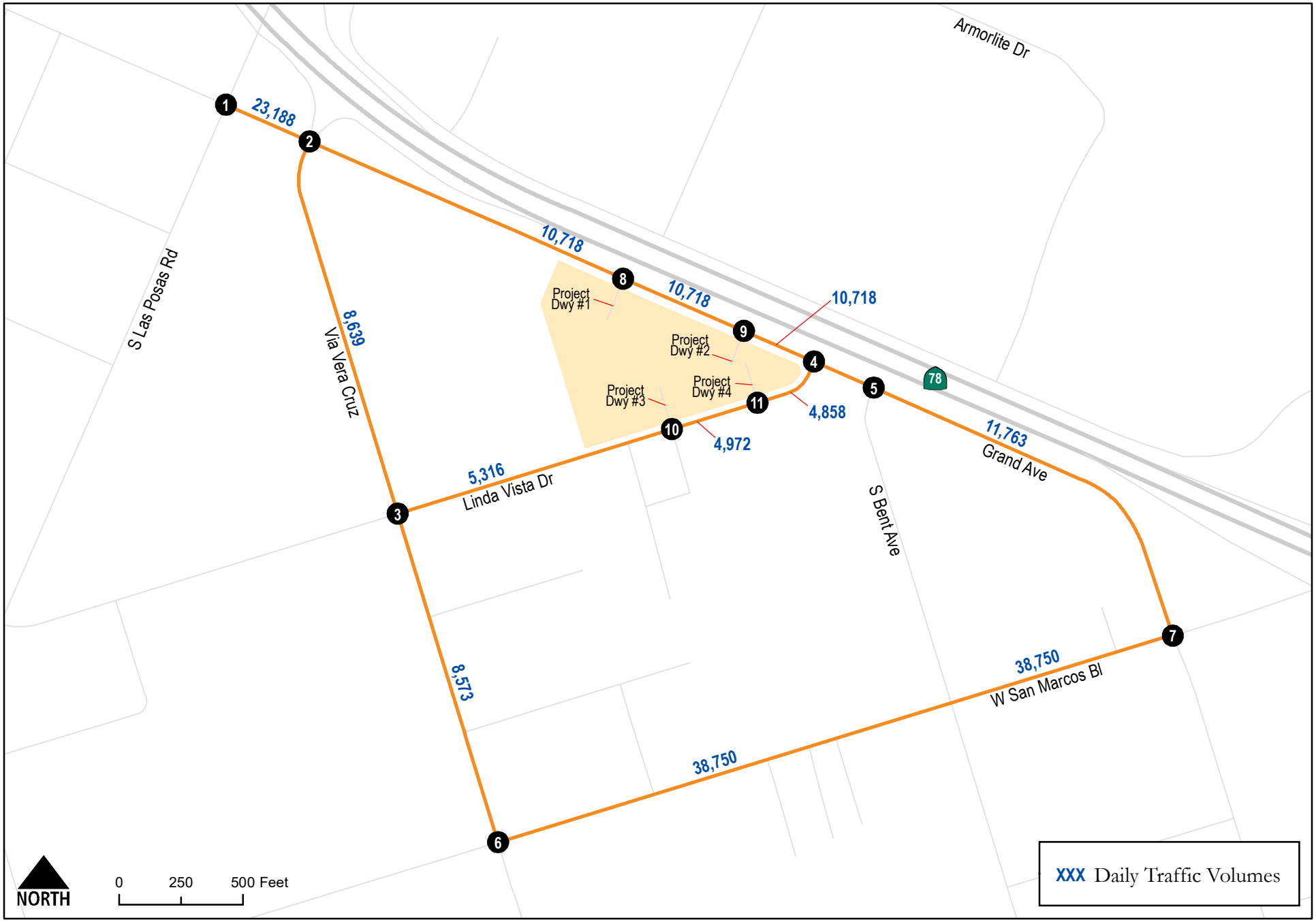

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Figure 6.4A
Traffic Volumes
Near-Term Year 2024 Base with Project Conditions

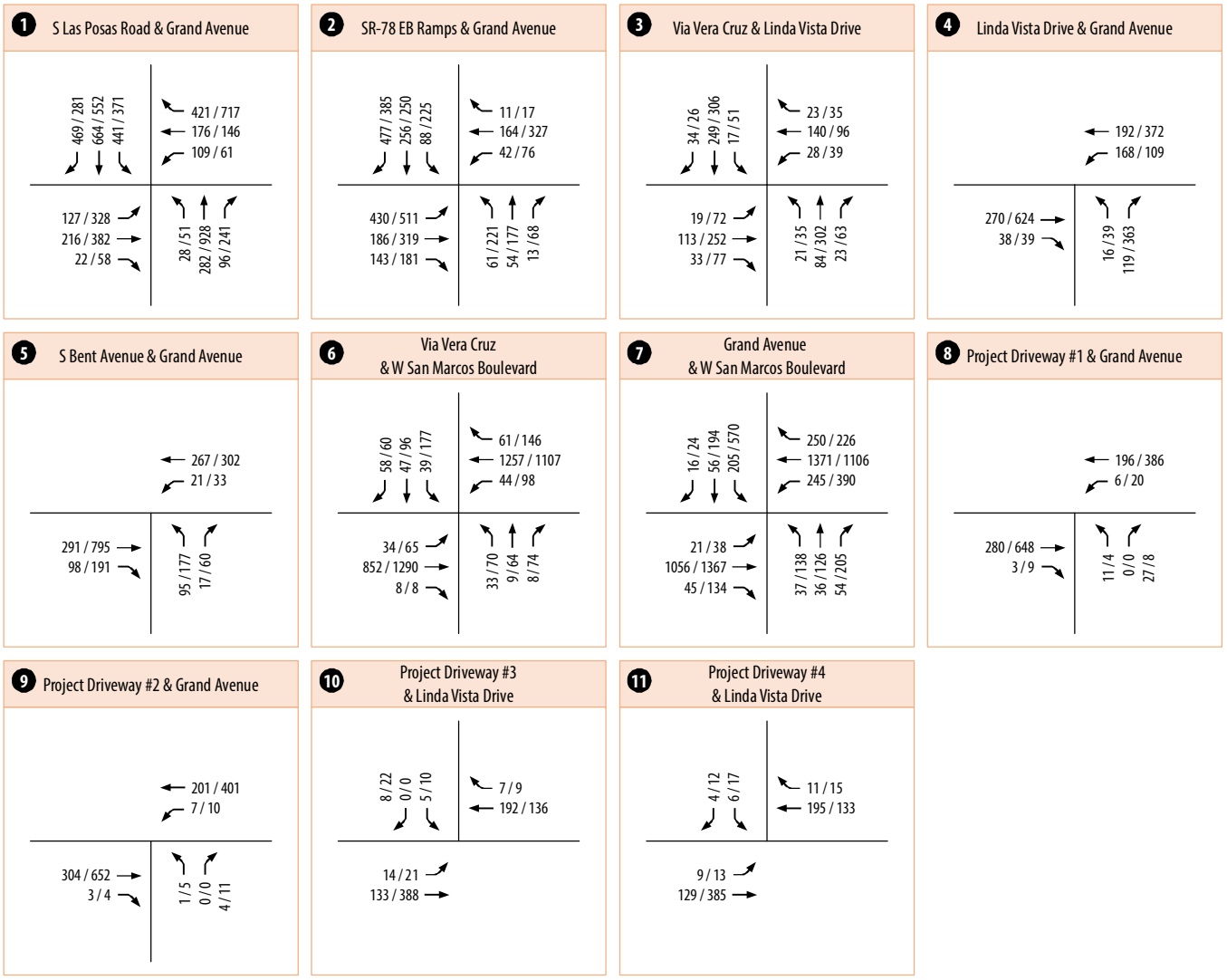

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Figure 6.4B
Traffic Volumes
Near-Term Year 2024 Base with Project Conditions

Table 6.4 - Roadway Segment LOS Results – Near-Term Year 2024 Base with Project Conditions

Roadway	Segment	Functional Classification	Roadway Capacity	Near-Term Year 2024 with Project			Near-Term Year 2024 without Project			Δ V/C
				Daily Volume	V/C	LOS	Daily Volume	V/C	LOS	
Via Vera Cruz	Grand Avenue to Linda Vista Drive	4-Lane Secondary Arterial/Collector	30,000	8,676	0.289	A	8,260	0.275	A	0.009
Via Vera Cruz	Linda Vista Drive to West San Marcos Boulevard	4-Lane Secondary Arterial/Collector	30,000	8,560	0.285	A	7,850	0.262	A	0.019
Grand Avenue	South Las Posas Road to Via Vera Cruz	4-Lane Secondary Arterial/Collector	30,000	23,060	0.769	D	22,500	0.750	D	0.019
Grand Avenue	Via Vera Cruz to Project Driveway #1	4-Lane Secondary Arterial/Collector	30,000	10,666	0.356	B	10,170	0.339	B	0.014
Grand Avenue	Project Driveway #1 to Project Driveway #2	4-Lane Secondary Arterial/Collector	30,000	10,891	0.363	B	10,170	0.339	B	0.021
Grand Avenue	Project Driveway #2 to Linda Vista Drive	4-Lane Secondary Arterial/Collector	30,000	11,061	0.369	B	10,170	0.339	B	0.027
Grand Avenue	Linda Vista Drive to West San Marcos Boulevard	4-Lane Secondary Arterial/Collector	30,000	11,863	0.395	B	11,100	0.370	B	0.022
Linda Vista Drive	Via Vera Cruz to Project Driveway #3	2-Lane Collector (Commercial/Industrial Fronting)	8,000	5,332	0.667	D	4,170	0.521	C	0.145
Linda Vista Drive	Project Driveway #3 to Project Driveway #4	2-Lane Collector (Commercial/Industrial Fronting)	8,000	5,066	0.633	D	4,170	0.521	C	0.112
Linda Vista Drive	Project Driveway #4 to Grand Avenue	2-Lane Collector (Commercial/Industrial Fronting)	8,000	5,066	0.633	D	4,170	0.521	C	0.112
West San Marcos Boulevard	Via Vera Cruz to South Bent Avenue	4-Lane Major Arterial	40,000	38,750	0.775	**E**	38,750	0.775	**E**	0.000
West San Marcos Boulevard	South Bent Avenue to Grand Avenue	5-Lane Major Arterial	50,000	38,750	0.969	D	38,750	0.969	D	0.000

Source: CR Associates (2022)

6.6.2 Intersection Analysis

Table 6.5 displays intersection LOS and average vehicle delay results for study area intersections under Near-Term Year 2024 Base with Project Conditions. LOS calculation worksheets for Near-Term Year 2024 Base with Project conditions are provided in **Appendix J**.

As shown, all study intersections are projected to operate at acceptable LOS D or better under Near-Term Year 2024 Base with Project conditions, with the exception of the following intersection:

- SR-78 EB Ramps/Via Vera Cruz & Grand Avenue – LOS E during the AM peak hour and LOS F during the PM peak hour. The intersection is already operating at substandard LOS under Near-Term Year 2024 Base conditions and the Project adds 0.7 seconds of delay during the AM peak hour and 0.1 seconds of delay during the PM peak hour.

This intersection is projected to operate at unacceptable LOS prior to the implementation of the Project. Project traffic would not increase the overall average delay at this intersection by more than 2.0 seconds. Therefore, no study intersections are anticipated to degrade in LOS to unacceptable levels with implementation of the Project and no improvements will be required.

Table 6.5 - Peak Hour Intersection LOS Results – Near-Term Year 2024 Base with Project Conditions

#	Intersection	Control Type	Peak Hour	Near-Term Year 2024 with Project		Near-Term Year 2024 without Project		Δ Delay
				Avg. Delay (sec.)	LOS	Avg. Delay (sec.)	LOS	
1	South Las Posas Road & Grand Avenue	Signal	AM PM	31.8 40.6	C D	31.7 39.8	C D	0.1 0.8
2	SR-78 EB Ramps/Via Vera Cruz & Grand Avenue	Signal	AM PM	66.0 89.3	**E** **F**	65.3 89.2	**E** **F**	0.7 0.1
3	Via Vera Cruz & Linda Vista Drive	Signal	AM PM	16.9 21.3	B C	16.4 19.9	B B	0.5 1.4
4	Linda Vista Drive & Grand Avenue	SSSC	AM PM	11.1 24.0	B C	10.1 17.9	B C	1.0 6.1
5	South Bent Avenue & Grand Avenue	Signal	AM PM	7.9 11.3	A B	7.8 11.3	A B	0.1 0.0
6	Via Vera Cruz & West San Marcos Boulevard	Signal	AM PM	21.2 52.5	C D	19.3 51.2	B D	1.9 1.3
7	Grand Avenue & West San Marcos Boulevard	Signal	AM PM	34.6 49.1	C D	34.2 47.2	C D	0.4 2.9
8	Project Driveway #1 & Grand Avenue	SSSC	AM PM	10.2 14.0	B B	N/A N/A	N/A N/A	10.2 14.0
9	Project Driveway #2 & Grand Avenue	SSSC	AM PM	9.7 12.4	A B	N/A N/A	N/A N/A	9.7 12.4
10	Project Driveway #3 & Linda Vista Drive	SSSC	AM PM	10.1 10.7	B B	N/A N/A	N/A N/A	10.1 10.7
11	Project Driveway #4 & Linda Vista Drive	SSSC	AM PM	10.4 11.7	B B	N/A N/A	N/A N/A	10.4 11.7

Source: CR Associates (2022)

Notes:
Bold indicates LOS E or F.
SSSC = Side-Street Stop-Controlled. For SSSC intersections, the delay shown is the worst delay experienced by any of the approaches.
N/A = Not Applicable.

7.0 Horizon Year 2050 Conditions

This section provides an analysis of Horizon Year 2050 traffic conditions both with and without the Project. The scenarios analyzed in this section include:

- Horizon Year 2050
- Horizon Year 2050 with Project

7.1 Horizon Year 2050 Roadway Network and Traffic Volumes

Roadway segment functional classifications and intersection geometrics under Horizon Year 2050 Conditions were assumed to be identical to Existing conditions, as previously shown in Figure 5.1 and Figure 5.2.

Horizon Year 2050 ADT forecasts were obtained from the SANDAG Series 14 ABM2+/2021 RP forecast year 2050 model (scenario ID#459). Any study roadway segments with Near-Term Year 2024 Base ADT greater than forecasted TFIC ADT were adjusted using growth rates observed between existing and forecasted TFIC ADT for adjacent segments.

Intersection turning movement volumes were developed utilizing the projected study roadway segment volumes and the National Cooperative Highway Research Program (NCHRP) Report 255 methodology. This methodology describes the use of growth factors by comparing existing and estimated/forecasted daily roadway segment volumes. These factors are then applied to existing peak hour intersection approach and departure volumes to derive future intersection turning movement traffic volumes. Manual adjustments were also made to ensure that traffic volumes among adjacent intersections were reasonably balanced. Details on counts collected from TFIC and forecasted intersection turning movement volume calculations are provided in **Appendix K**.

Figure 7.1A displays projected daily traffic volumes for study roadway segments and **Figure 7.1B** displays the AM/PM peak hour turning movements for study intersections under Horizon Year 2050 conditions.

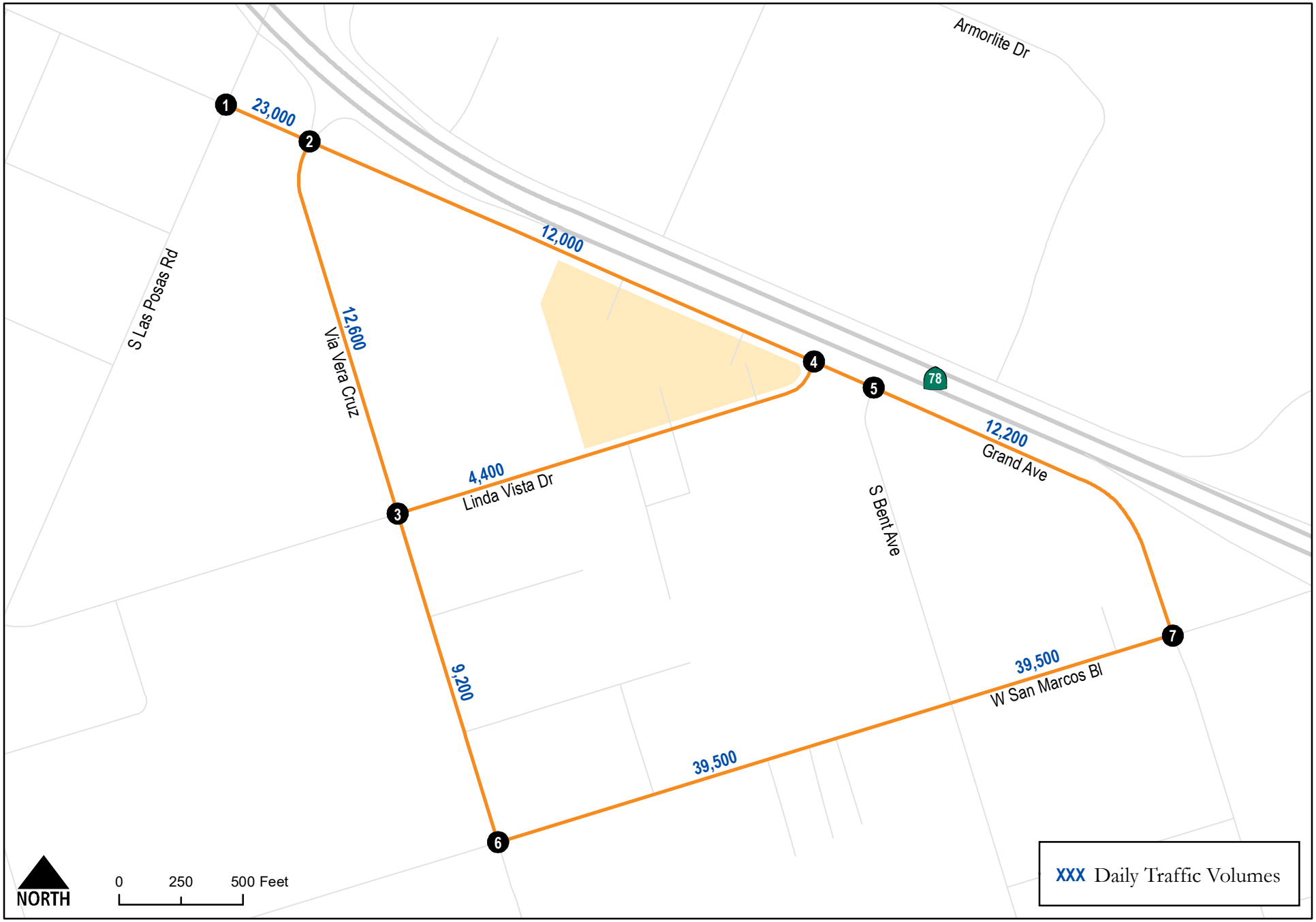

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Figure 7.1A
Traffic Volumes
Horizon Year 2050 Conditions

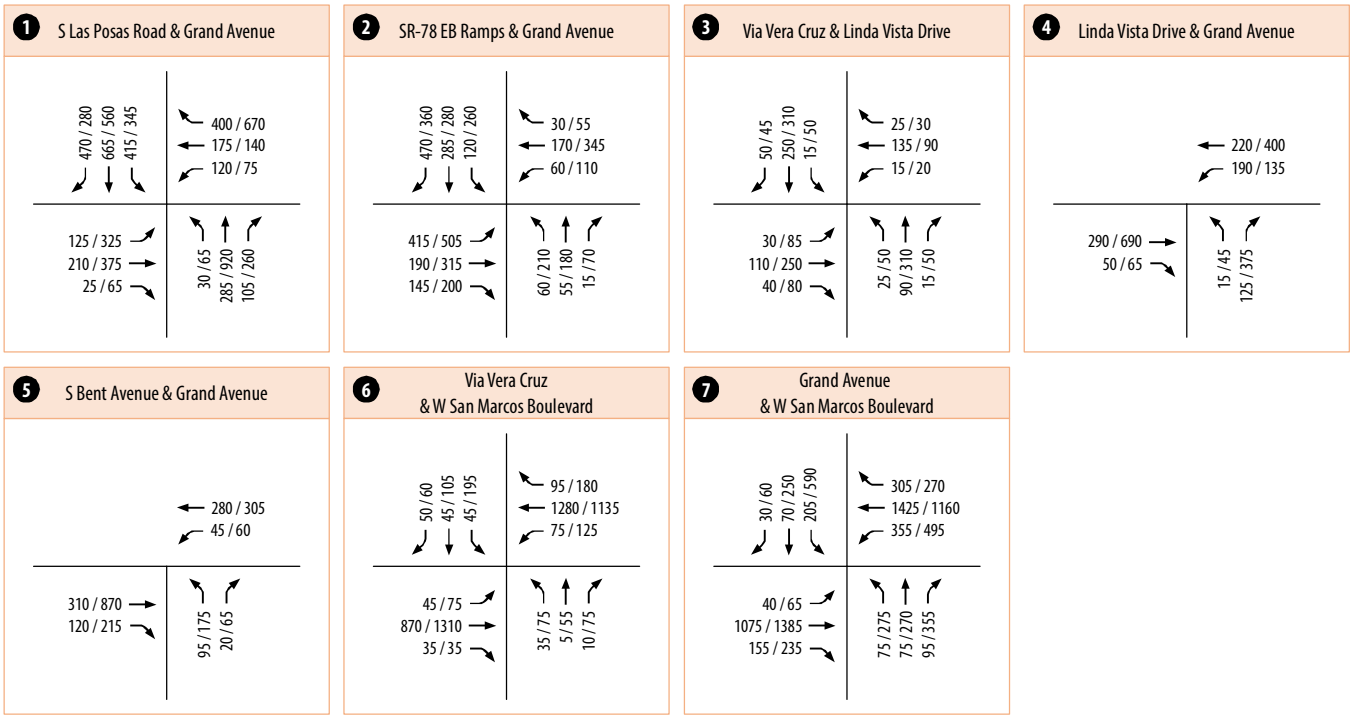

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Figure 7.1B
Traffic Volumes
Horizon Year 2050 Conditions

7.2 Horizon Year 2050 Traffic Conditions

LOS analyses under Horizon Year 2050 Conditions were conducted using the methodologies described in Chapter 2. Study roadway segment and intersection LOS analysis results are discussed below.

7.2.1 Roadway Segment Analysis

Table 7.1 displays roadway segment LOS analysis results for study roadway segments under Horizon Year 2050 conditions.

As shown, all study roadway segments are projected to operate at acceptable LOS D or better under Horizon Year 2050 conditions, with the exception of the following roadway segment:

- West San Marcos Boulevard, between Via Vera Cruz and South Bent Avenue – LOS E.

7.2.2 Intersection Analysis

Table 7.2 displays intersection LOS and average vehicle delay results for study area intersections under Horizon Year 2050 Conditions. LOS calculation worksheets for Horizon Year 2050 Conditions are provided in **Appendix L**.

As shown, all study intersections are projected to operate at acceptable LOS D or better under Horizon Year 2050 Conditions, with the exception of the following intersection:

- SR-78 EB Ramps/Via Vera Cruz & Grand Avenue – LOS E during the AM peak hour and LOS F during the PM peak hour.
- Grand Avenue & West San Marcos Boulevard – LOS E during the PM peak hour.

Table 7.1 - Roadway Segment LOS Results – Horizon Year 2050 Conditions

Roadway	Segment	Functional Classification	Roadway Capacity	Daily Volume	V/C	LOS
Via Vera Cruz	Grand Avenue to Linda Vista Drive	4-Lane Secondary Arterial/Collector	30,000	12,600	0.420	B
Via Vera Cruz	Linda Vista Drive to West San Marcos Boulevard	4-Lane Secondary Arterial/Collector	30,000	9,200	0.307	A
Grand Avenue	South Las Posas Road to Via Vera Cruz	4-Lane Secondary Arterial/Collector	30,000	23,000	0.767	D
Grand Avenue	Via Vera Cruz to Linda Vista Drive	4-Lane Secondary Arterial/Collector	30,000	12,000	0.400	B
Grand Avenue	Linda Vista Drive to West San Marcos Boulevard	4-Lane Secondary Arterial/Collector	30,000	12,200	0.407	B
Linda Vista Drive	Via Vera Cruz to Grand Avenue	2-Lane Collector (Commercial/Industrial Fronting)	8,000	4,400	0.550	C
West San Marcos Boulevard	Via Vera Cruz to South Bent Avenue	4-Lane Major Arterial	40,000	39,500	0.988	**E**
West San Marcos Boulevard	South Bent Avenue to Grand Avenue	5-Lane Major Arterial	50,000	39,500	0.790	D

Table 7.2 - Peak Hour Intersection LOS Results – Horizon Year 2050 Conditions

#	Intersection	Control Type	Peak Hour	Avg. Delay (sec.)	LOS
1	South Las Posas Road & Grand Avenue	Signal	AM	32.2	C
			PM	40.8	D
2	SR-78 EB Ramps/Via Vera Cruz & Grand Avenue	Signal	AM	65.7	**E**
			PM	90.4	**F**
3	Via Vera Cruz & Linda Vista Drive	Signal	AM	16.8	B
			PM	20.9	C
4	Linda Vista Drive & Grand Avenue	SSSC	AM	11.2	B
			PM	37.3	**E**
5	South Bent Avenue & Grand Avenue	Signal	AM	8.5	A
			PM	13.3	B
6	Via Vera Cruz & West San Marcos Boulevard	Signal	AM	21.1	C
			PM	52.0	D
7	Grand Avenue & West San Marcos Boulevard	Signal	AM	36.6	D
			PM	58.3	**E**

Source: CR Associates (2022)

Notes:
Bold indicates LOS E or F.
SSSC = Side-Street Stop-Controlled. For SSSC intersections, the delay shown is the worst delay experienced by any of the approaches.

7.3 Horizon Year 2050 with Project Roadway Network and Traffic Volumes

Roadway segment functional classifications and intersection geometrics under the Horizon Year 2050 with Project Conditions were assumed to be identical to the Horizon Year 2050 conditions, as previously discussed in Chapter 6.1.

Traffic volumes for the Horizon Year 2050 with Project Conditions were derived by combining the project trips (as previously shown in Figure 3.5A and Figure 3.5B) to the Horizon Year 2050 traffic volumes (as previously shown in Figure 7.1A and Figure 7.1B). **Figure 7.2A** displays projected daily traffic volumes for study roadway segments and **Figure 7.2B** displays projected AM/PM peak hour turning movements for study intersections under Horizon Year 2050 with Project conditions.

7.4 Horizon Year 2050 with Project Traffic Conditions

LOS analyses under Horizon Year 2050 with Project conditions were conducted using the methodologies described in Chapter 2. Study roadway segment and intersection LOS analysis results are discussed below.

7.4.1 Roadway Segment Analysis

Table 7.3 displays roadway segment LOS analysis results for study roadway segments under Horizon Year 2050 with Project conditions.

As shown, all study roadway segments are projected to operate at acceptable LOS D or better under Horizon Year 2050 with Project conditions, with the exception of the following roadway segment:

- West San Marcos Boulevard, between Via Vera Cruz and South Bent Avenue – The roadway segment is projected to operate at LOS E under Horizon Year 2050 with Project conditions. The roadway segment is already operating at substandard LOS under Horizon Year 2050 conditions and the Project does not add any daily traffic along this segment.

This roadway segment is projected to operate at unacceptable LOS prior to the implementation of the Project. Project traffic would not increase the V/C ratio for this roadway segment by more than 0.02. Therefore, no study roadway segments are anticipated to degrade in LOS to unacceptable levels with implementation of the Project and no improvements will be required.

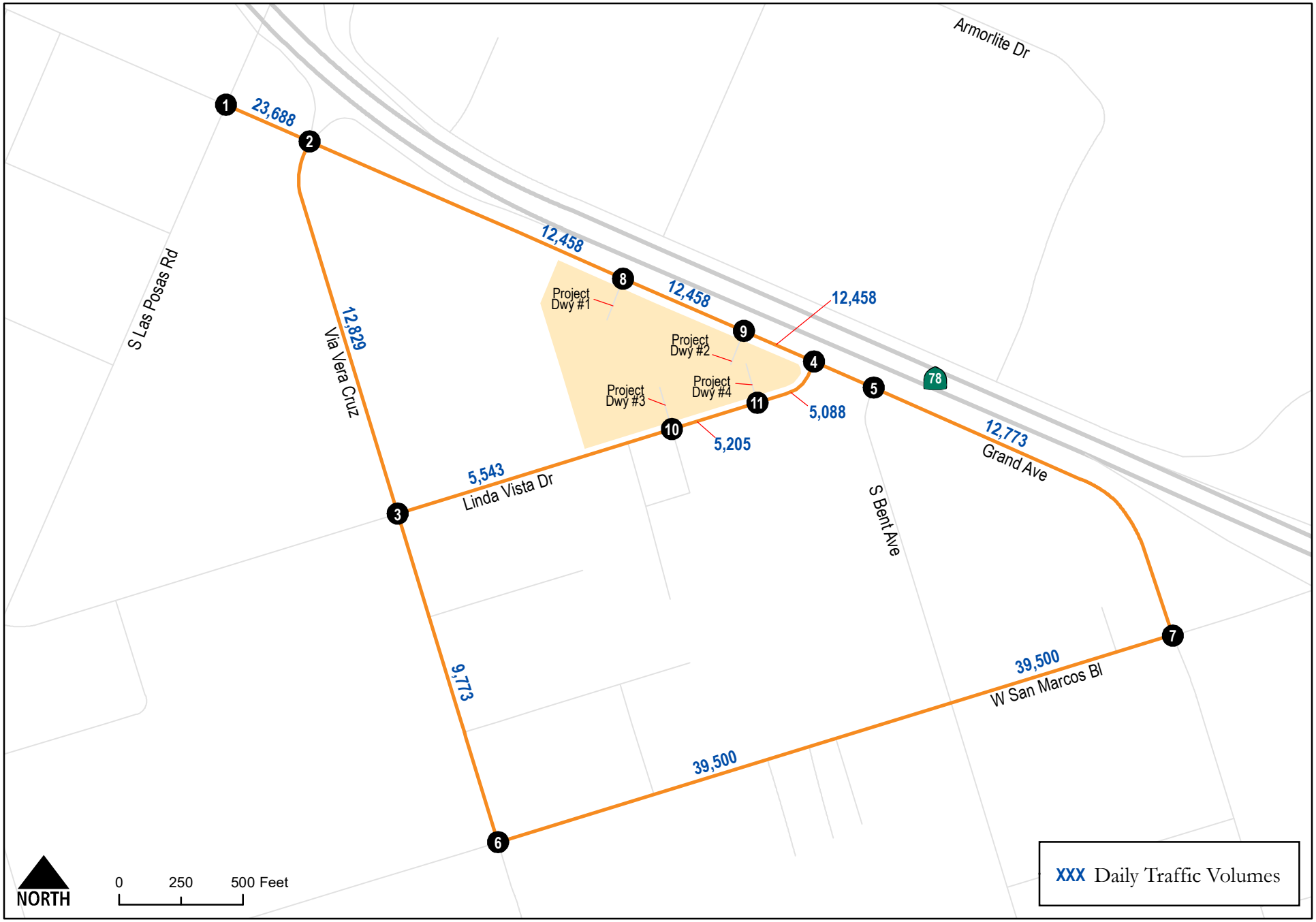

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Figure 7.2A
Traffic Volumes
Horizon Year 2050 with Project Conditions

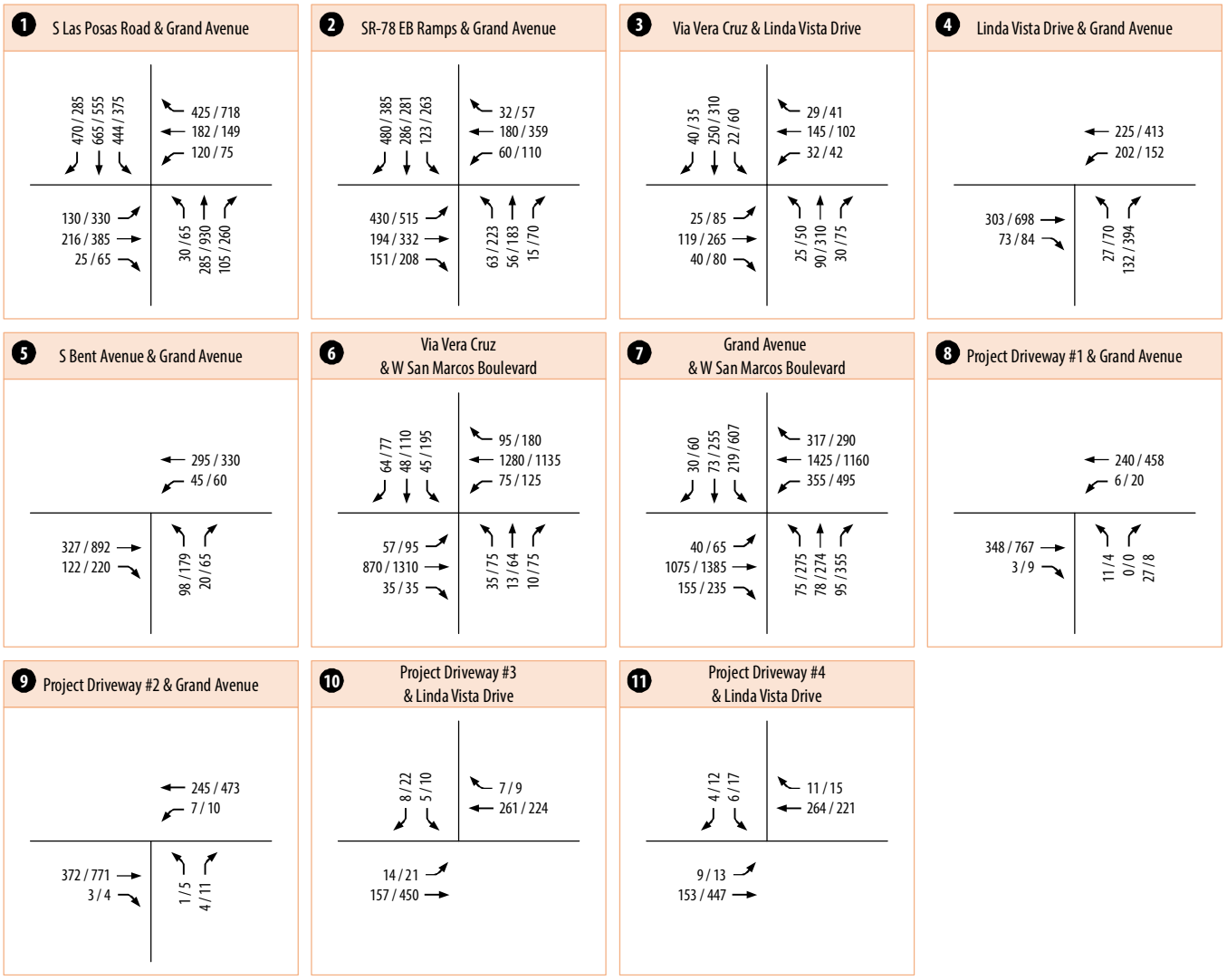

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Figure 7.2B
Traffic Volumes
Horizon Year 2050 with Project Conditions

Table 7.3 - Roadway Segment LOS Results – Horizon Year 2050 with Project Conditions

Roadway	Segment	Functional Classification	Roadway Capacity	Horizon Year 2050 with Project			Horizon Year 2050 without Project			Δ V/C
				Daily Volume	V/C	LOS	Daily Volume	V/C	LOS	
Via Vera Cruz	Grand Avenue to Linda Vista Drive	4-Lane Secondary Arterial/Collector	30,000	12,866	0.429	B	12,600	0.420	B	0.009
Via Vera Cruz	Linda Vista Drive to West San Marcos Boulevard	4-Lane Secondary Arterial/Collector	30,000	9,760	0.325	A	9,200	0.307	A	0.019
Grand Avenue	South Las Posas Road to Via Vera Cruz	4-Lane Secondary Arterial/Collector	30,000	23,560	0.785	D	23,000	0.767	D	0.019
Grand Avenue	Via Vera Cruz to Project Driveway #1	4-Lane Secondary Arterial/Collector	30,000	12,406	0.414	B	12,000	0.400	B	0.014
Grand Avenue	Project Driveway #1 to Project Driveway #2	4-Lane Secondary Arterial/Collector	30,000	12,631	0.421	B	12,000	0.400	B	0.021
Grand Avenue	Project Driveway #2 to Linda Vista Drive	4-Lane Secondary Arterial/Collector	30,000	12,801	0.427	B	12,000	0.400	B	0.027
Grand Avenue	Linda Vista Drive to West San Marcos Boulevard	4-Lane Secondary Arterial/Collector	30,000	12,873	0.429	B	12,200	0.407	B	0.022
Linda Vista Drive	Via Vera Cruz to Project Driveway #3	2-Lane Collector (Commercial/Industrial Fronting)	8,000	5,562	0.695	D	4,400	0.550	C	0.145
Linda Vista Drive	Project Driveway #3 to Project Driveway #4	2-Lane Collector (Commercial/Industrial Fronting)	8,000	5,296	0.662	D	4,400	0.550	C	0.112
Linda Vista Drive	Project Driveway #4 to Grand Avenue	2-Lane Collector (Commercial/Industrial Fronting)	8,000	5,296	0.662	D	4,400	0.550	C	0.112
West San Marcos Boulevard	Via Vera Cruz to South Bent Avenue	4-Lane Major Arterial	40,000	39,500	0.988	**E**	39,500	0.988	**E**	0.000
West San Marcos Boulevard	South Bent Avenue to Grand Avenue	5-Lane Major Arterial	50,000	39,500	0.790	D	39,500	0.790	D	0.000

Source: CR Associates (2022)

7.4.2 Intersection Analysis

Table 7.4 displays intersection LOS and average vehicle delay results for the key study area intersections under Horizon Year 2050 with Project conditions. LOS calculation worksheets for Horizon Year 2050 with Project Conditions are provided in **Appendix M**.

As shown, all study intersections are projected to operate at acceptable LOS D or better under Horizon Year 2050 with Project conditions, with the exception of the following intersection:

- SR-78 EB Ramps/Via Vera Cruz & Grand Avenue – LOS E during the AM peak hour and LOS F during the PM peak hour. The intersection is already operating at substandard LOS under Horizon Year 2050 without Project conditions and the Project adds 1.1 seconds of delay during the AM peak hour and 0.8 seconds of delay during the PM peak hour.
- Linda Vista Drive & Grand Avenue – LOS F during the PM peak hour. The Project adds 32.9 seconds of delay and causes the LOS at this intersection to degrade from LOS E to LOS F during the PM peak hour.
- Grand Avenue & West San Marcos Boulevard – LOS E during the PM peak hour. The Project adds 1.1 seconds of delay to this intersection already operating at substandard LOS E under Horizon Year 2050 without Project conditions.

Implementation of the Project would cause an inconsistency with Policy M-1.4 at the intersection of Linda Vista Drive & Grand Avenue since it would increase the delay at an intersection already operating at LOS E or F by more than 2.0 seconds. In contrast, the intersections of SR-78 EB Ramps/Via Vera Cruz & Grand Avenue and Grand Avenue & West San Marcos Boulevard, which operate at LOS E or F during the PM peak hour, would experience an increase in delay less than 2.0 seconds and thus would not result in substantial effects to traffic operations.

Table 7.4 - Peak Hour Intersection LOS Results – Horizon Year 2050 with Project Conditions

#	Intersection	Control Type	Peak Hour	Horizon Year 2050 with Project		Horizon Year 2050 without Project		Δ Delay
				Avg. Delay (sec.)	LOS	Avg. Delay (sec.)	LOS	
1	South Las Posas Road & Grand Avenue	Signal	AM	32.1	C	32.1	C	0.0
			PM	41.1	D	40.9	D	0.2
2	SR-78 EB Ramps/Via Vera Cruz & Grand Avenue	Signal	AM	71.9	**E**	70.8	**E**	1.1
			PM	101.8	**F**	101.0	**F**	0.8
3	Via Vera Cruz & Linda Vista Drive	Signal	AM	17.1	B	16.6	B	0.5
			PM	22.4	C	20.9	C	1.5
4	Linda Vista Drive & Grand Avenue	SSSC	AM	12.3	B	11.2	B	1.1
			PM	70.2	**F**	37.3	**E**	32.9
5	South Bent Avenue & Grand Avenue	Signal	AM	8.5	A	8.5	A	0.0
			PM	13.6	B	13.3	B	0.3
6	Via Vera Cruz & West San Marcos Boulevard	Signal	AM	22.8	C	21.1	C	1.7
			PM	52.3	D	52.1	D	0.2
7	Grand Avenue & West San Marcos Boulevard	Signal	AM	36.8	D	36.6	D	0.2
			PM	59.4	**E**	58.3	**E**	1.1
8	Project Driveway #1 & Grand Avenue	SSSC	AM	10.2	B	N/A	N/A	10.2
			PM	13.1	B	N/A	N/A	13.1
9	Project Driveway #2 & Grand Avenue	SSSC	AM	9.9	A	N/A	N/A	9.9
			PM	13.0	B	N/A	N/A	13.0
10	Project Driveway #3 & Linda Vista Drive	SSSC	AM	10.6	B	N/A	N/A	10.6
			PM	11.6	B	N/A	N/A	11.6
11	Project Driveway #4 & Linda Vista Drive	SSSC	AM	10.9	B	N/A	N/A	10.9
			PM	12.9	B	N/A	N/A	12.0

Source: CR Associates (2022)

Notes:
Bold indicates LOS E or F.
SSSC = Side-Street Stop-Controlled. For SSSC intersections, the delay shown is the worst delay experienced by any of the approaches.
N/A = Not Applicable.

8.0 LOS Deficiencies and Improvement Requirements

This chapter provides improvements requirements needed to increase LOS to acceptable or pre-project conditions for any roadway segments or intersections found to operate unacceptably with implementation of the Project.

8.1 Determination of the Need for Off-Site Improvements to Accommodate Project Traffic – Near-Term Year 2024 with Project Conditions

This section identifies required improvements for any study roadway segments or intersections that are associated with the Project under Near-Term Year 2024 Base with Project conditions.

Roadway Segment Analysis

No improvements required.

Intersection Analysis

No improvements required.

8.2 Determination of the Need for Off-Site Improvements to Accommodate Project Traffic – Horizon Year 2050 with Project Conditions

This section identifies required improvements for any study roadway segments or intersections that are associated with the Project under Horizon Year 2050 with Project conditions.

Roadway Segment Analysis

No improvements required.

Intersection Analysis

Because implementation of the Project would further deteriorate traffic operations and increase the delay at an intersection already operating at LOS E or F by more than 2.0 seconds, the Project would cause an inconsistency with Policy M-1.4 at the following intersection:

- Linda Vista Drive & Grand Avenue – To improve operations at this intersection, the Project shall provide a fair share contribution to install a traffic signal. It should be noted the intersection already operates at substandard LOS E without the Project, indicating the Project does not directly cause the inconsistency. Upon implementation of this improvement, the intersection would operate at acceptable LOS and better than pre-project conditions.

The total number of vehicle trips passing through this intersection during the PM peak hour is 1,811, of which 101 (or 5.6% of the total volume) are vehicle trips generated by the Project. Thus, the Project would be responsible for 5.6% of the cost to implement this improvement.

Table 8.1 displays intersection LOS and average vehicle delay results under Horizon Year 2050 with Project with Mitigation conditions. LOS calculation worksheets and signal timing inputs are provided in **Appendix N**.

Table 8.1 - Peak Hour Intersection LOS Results – Horizon Year 2050 with Project with Mitigation Conditions

#	Intersection	Peak Hour	Control Type	Horizon Year 2050 with Project and Mitigation		Control Type	Horizon Year 2050 without Project and Mitigation		Δ Delay
				Avg. Delay (sec.)	LOS		Avg. Delay (sec.)	LOS	
4	Linda Vista Drive & Grand Avenue	AM	Signal	5.8	A	SSSC	11.2	B	-5.6
		PM		12.8	B		37.3	**E**	-24.5

Source: CR Associates (2022)

As shown, the recommended improvement would decrease the delay by 5.6 seconds during the AM peak hour and 24.5 seconds during the PM peak hour. Thus, the intersection would operate at acceptable LOS and better than pre-project conditions.

Traffic Signal Warrant

A traffic signal warrant analysis was conducted to determine if a signal would be warranted at the intersection of Linda Vista Drive & Grand Avenue. The ADT-based signal warrant (Figure 4C-103) of the California Manual on Uniform Traffic Control devices (CA MUTCD) was selected for this analysis. Based on the projected Horizon Year 2050 traffic volumes, the intersection of Linda Vista Drive & Grand Avenue would meet the requirements to satisfy the traffic signal warrant. The traffic signal warrant is provided in **Appendix O**.

9.0 Site Access and Circulation

This chapter addresses access to the project site and discusses the functionality of the project's internal circulation.

9.1 Driveway Access

Project site access will be provided via the following four new project driveways:

- Project Driveway #1 – This new, full-access driveway will be located along the south side of Grand Avenue approximately 900 feet northwest of Linda Vista Drive. This driveway will be a new side-street stop-controlled intersection with Grand Avenue as the uncontrolled approach and the project driveway as the stop-controlled approach. This driveway will serve as the main entry point for residents and is projected to operate at LOS B or better under all study scenarios.
- Project Driveway #2 – This new, full-access driveway will be located along the south side of Grand Avenue approximately 300 feet northwest of Linda Vista Drive. This driveway will be a new side-street stop-controlled intersection with Grand Avenue as the uncontrolled approach and the project driveway as the stop-controlled approach. This driveway will serve as one of three entry points for the retail and office components of the Project and is projected to operate at LOS B or better under all study scenarios.
- Project Driveway #3 – This new, full-access driveway will be located along the north side of Linda Vista Drive approximately 700 feet southwest of Grand Avenue. This driveway will be a new side-street stop-controlled intersection with Linda Vista Drive as the uncontrolled approach and the project driveway as the stop-controlled approach. This driveway will serve as one of three entry points for the retail and office components of the Project and is projected to operate at LOS B or better under all study scenarios.
- Project Driveway #4 – This new, full-access driveway will be located along the north side of Linda Vista Drive approximately 250 feet southwest of Grand Avenue. This driveway will be a new side-street stop-controlled intersection with Linda Vista Drive as the uncontrolled approach and the project driveway as the stop-controlled approach. This driveway will serve as one of three entry points for the retail and office components of the Project and is projected to operate at LOS B or better under all study scenarios.

A 95th percentile queue analysis was conducted to determine the extent of queueing at the project driveway intersections under Near-Term Year 2024 Base with Project conditions and Horizon Year 2050 with Project conditions. The queue analysis was conducted for the proposed project driveways and the offsite turning movements along Grand Avenue and Linda Vista Drive. **Table 9.1** displays the 95th percentile queue analysis results for project driveway intersections under both analysis scenarios. Intersection queueing reports are provided in **Appendix P.** A sight distance exhibit displaying line-of-sight at each of the proposed driveways is included in **Appendix Q.**

As shown, the 95th percentile queues at project driveway intersections are projected to fit within the available storage and would not impede circulation of traffic at the driveways or adjacent roadway system.

Table 9.1 - Project Driveway Queue Analysis Results

#	Intersection	Control Type	Turning Movement	Peak Hour	Available Storage[1] (ft)	Near-Term Year 2024 with Project Conditions		Horizon Year 2050 with Project Conditions	
						95th Percentile Queue (ft)	Excess Queue (ft)	95th Percentile Queue (ft)	Excess Queue (ft)
8	Project Driveway #1 & Grand Avenue	SSSC	EBR	AM	1,250	0	0	0	0
				PM		0	0	0	0
			WBL	AM	900	0	0	0	0
				PM		25	0	25	0
9	Project Driveway #2 & Grand Avenue	SSSC	EBR	AM	1,850	0	0	0	0
				PM		0	0	0	0
			WBL	AM	300	25	0	25	0
				PM		25	0	25	0
10	Project Driveway #3 & Linda Vista Drive	SSSC	EBL	AM	1,050	25	0	25	0
				PM		25	0	25	0
			WBR	AM	450	0	0	0	0
				PM		0	0	0	0
11	Project Driveway #4 & Linda Vista Drive	SSSC	EBL	AM	450	25	0	25	0
				PM		25	0	25	0
			WBR	AM	250	0	0	0	0
				PM		0	0	0	0

Source: CR Associates (2022)

Notes:
[1] Measured from project driveway to upstream intersection.
SSSC = Side-Street Stop-Controlled.
EBR = Eastbound Right, EBL = Eastbound Left
WBR = Westbound Right, WBL = Westbound Left

After further review of the project site plan, the following recommendations are provided:

- Driveways are recommended to be constructed in accordance with City standards
- Install stop signs (R1-1) at project driveways

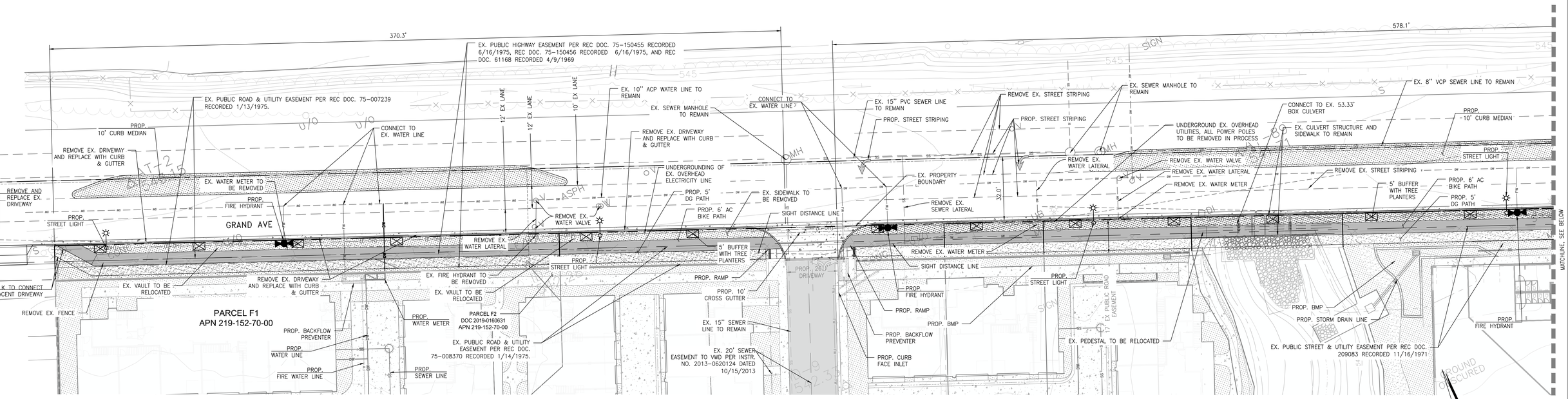
9.2 Internal Circulation

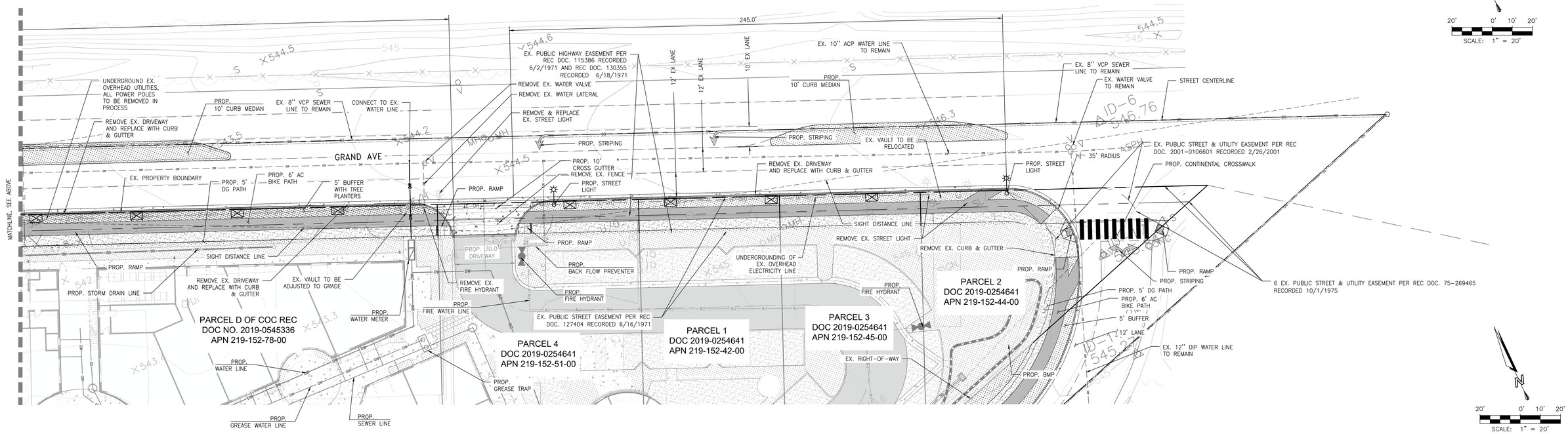
Internal roadways on the project site allow for two-way flow of vehicle traffic. For the residential component, dead-end aisles between buildings provide direct access to garages for each dwelling unit. Guest parking is also provided at the project site.

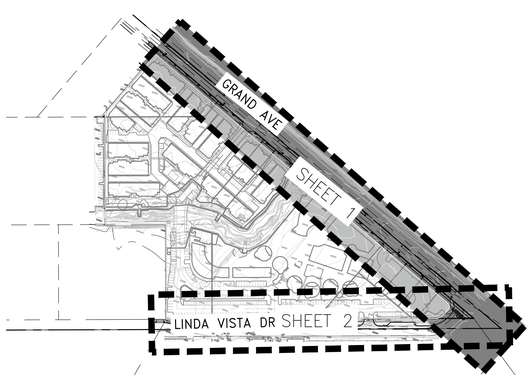
Based upon review of the project site plan, the following recommendations are provided:

- Appropriate signage to warn drivers of pedestrian foot traffic.

Appendix A - Grand Avenue Offsite Improvement Plans







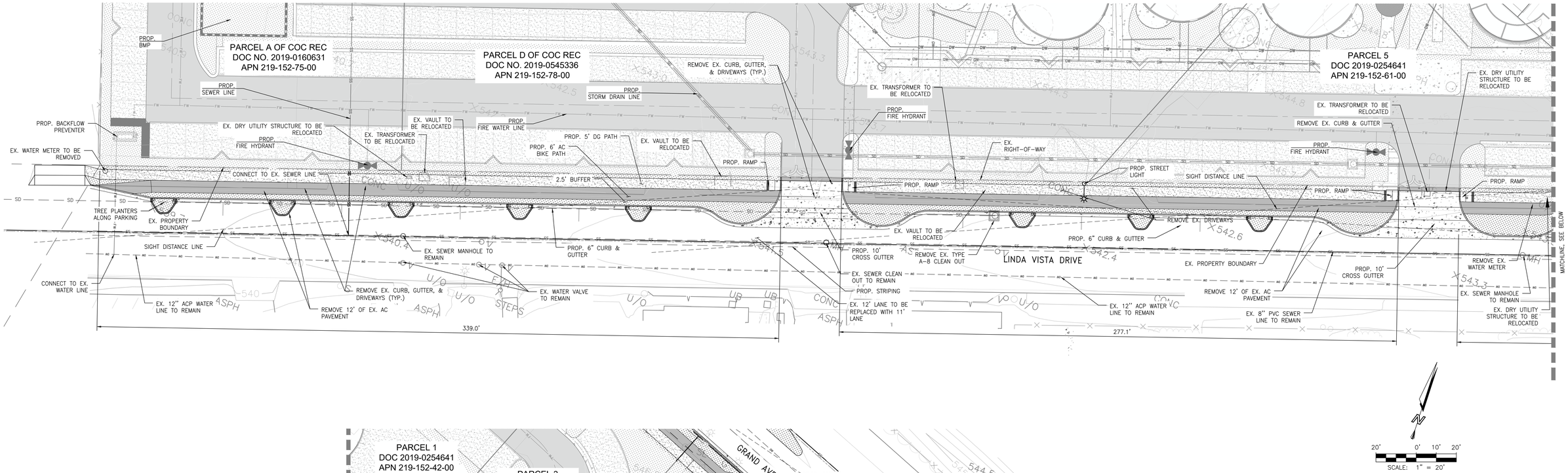
KEY MAP
1" = 200'

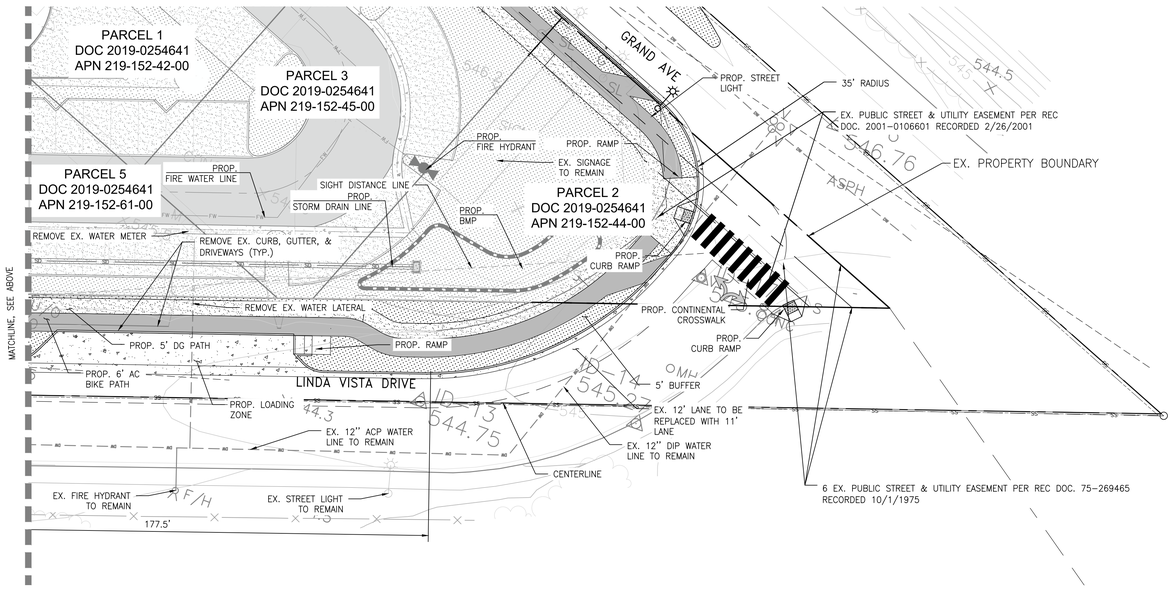
MARCOS PROJECT

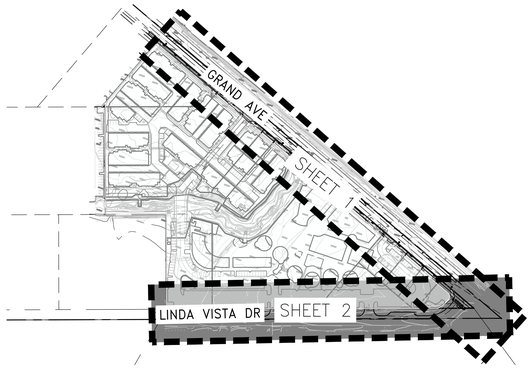
GRAND AVENUE OFFSITE IMPROVEMENT PLAN

FUSCOE ENGINEERING
6390 Greenwich Dr., Suite 170
San Diego, California 92122
tel 858.554.1500 ◦ fax 858.597.0335
www.fuscoe.com

JOB NO. 1960-001
DRAWN BY: JS
SHEET 1 of 2







KEY MAP
1" = 200'

MARCOS PROJECT

LINDA VISTA DR. OFFSITE IMPROVEMENT PLAN

FUSCOE ENGINEERING
6390 Greenwich Dr., Suite 170
San Diego, California 92122
tel 858.554.1500 ◦ fax 858.597.0335
www.fuscoe.com

JOB NO. 1960-001

DRAWN BY: JS

SHEET 2 of 2

Appendix B - Scoping Memorandum

TO:	Jonathan Quezada, Assistant Engineer; City of San Marcos Chris Garcia, Associate Planner; City of San Marcos
FROM:	Jonathan Sanchez, PE, TE, PTOE; CR Associates
DATE:	June 10, 2022
RE:	San Marcos Artist's Village Project – Memorandum of Approach (MOA)

This memorandum serves to document the assumptions that will be used to conduct both a Transportation Impact Analysis (TIA) and a Local Transportation Analysis (LTA), for the San Marcos Artist's Village project (the "Proposed Project"). The vehicle miles traveled (VMT) analysis for the TIS and level of service (LOS) analysis for the LTA will be performed in accordance with the *City of San Marcos Transportation Impact Analysis Guidelines*, *November 2020* (TIA Guidelines).

Project Description

The Proposed Project proposes to construct 102 multi-family dwelling units, 15,086 square feet of office, and 49,266 square feet (s.f.) of specialty retail at the northwest corner of Linda Vista Road and Grand Avenue, in the City of San Marcos. The Project will provide the following four new side-street stopped controlled driveways:

- *Project Driveway #1* – This new driveway will be located approximately 900 feet northwest of Linda Vista Drive
- *Project Driveway #2* – This driveway will be located approximately 300 feet northwest of Linda Vista Drive
- *Project Driveway #3* – This driveway will be located approximately 700 feet southwest of Grand Avenue
- *Project Driveway #4* – This driveway will be located approximately 250 feet southwest of Grand Avenue

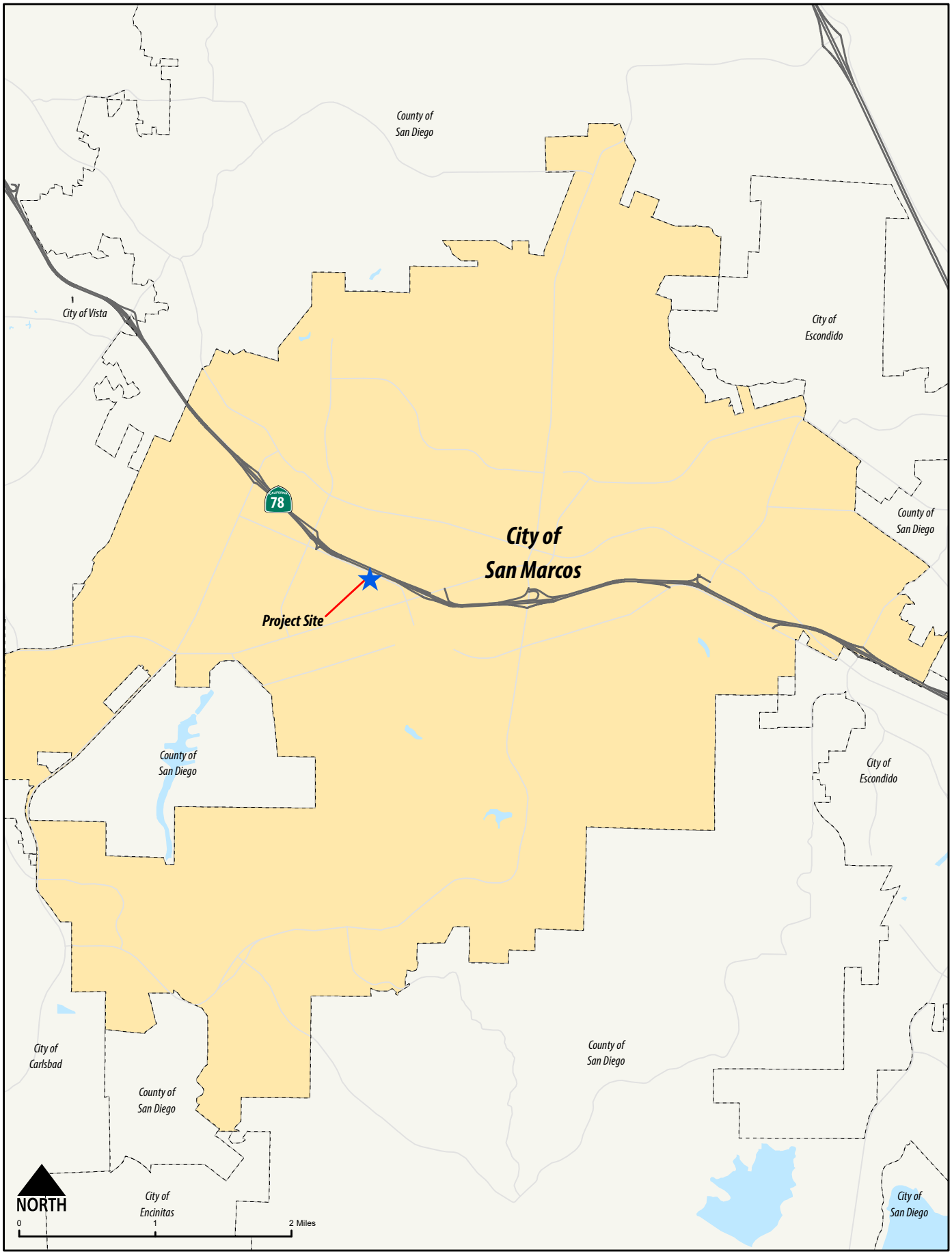
Figure 1 displays the Project's regional location. **Figure 2** displays the Project's current site plan.

VMT Analysis

According to the *City of San Marcos TIA Guidelines*, a VMT analysis is required if the following criteria for screening projects are not met: (1) small project screening, (2) affordable housing screening, (3) local-serving retail or public facility screening, (3) High Quality Transit Area (HQTA) screening, (4) low VMT area screening.

Since the Proposed Project is composed of a mix of land uses, each component must be evaluated independently and apply the significant threshold for each land use type, incorporating internalization reductions. Therefore, the VMT analysis for the project would be as follows:

- Residential Component – Per Section 2.1.2.5, the Proposed Project is located in an efficient VMT/Capita area. Therefore, the residential component is deemed to have a less-than-significant impact and no further VMT analysis is required.
- Office Component – Per Section 2.1.2.5, the Proposed Project is NOT located in an efficient VMT/Employee area. Therefore, a detailed VMT analysis is required.



San Marcos Artist's Village
Memorandum of Approach

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Figure 1
Project Regional Location

NORTH

Figure 2
Project Site Plan

- Retail Component – Per Section 2.1.2.3, the Proposed Project is less than 50,000 square feet and considered "local-serving retail". Therefore, the retail component is deemed to have a less-than-significant impact and no further VMT analysis is required.

As described above, the VMT/Employee associated with the office component of the project does not meet any of the screening criteria and it requires a detailed VMT analysis to be conducted. The VMT analysis will be calculated using the SANDAG Online VMT Tool, as the office component of the project would generate less than 2,400 daily trips. The TIA will include discussions of VMT results, identify impacts, and make recommendations, as needed.

Local Transportation Analysis

The purpose of the LTA is to evaluate how the Project will affect the surrounding local transportation network, as well as to determine if additional transportation improvements will be needed. The LTA analysis will evaluate the following five (5) scenarios:

1. Existing Conditions (2022) - This scenario is utilized to establish the existing baseline of traffic operations within the study area.

2. Near-Term 2024 Base Conditions – This scenario establishes a near-term baseline against which traffic generated by the Proposed Project can be compared to at the project opening day, anticipated to be Year 2024. Ambient growth rates or addition of cumulative projects' traffic will be used to develop the Opening Year 2024 Base Conditions.

3. Near-Term 2024 Base with Project Conditions – This scenario represents the Opening Year traffic conditions with the addition of traffic generated by the Proposed Project.

4. Horizon Year 2050 Base Conditions – This scenario represents projected long-range baseline traffic conditions for Year 2050.

5. Horizon Year 2050 Base with Project Conditions – This scenario represents Year 2050 base traffic conditions with the addition of traffic generated by the Proposed Project.

Trip Generation

Project trip generation estimates were derived utilizing *SANDAG's (not so) Brief Guide of Vehicular Traffic Generation Rates for the San Diego Region* (SANDAG, April 2002). **Table 1** displays daily, as well as AM and PM peak hour project trip generation.

As shown in the table, the Project is anticipated to generate a total net of 2,292 daily trips, including 117 (61-in / 54-out) trips during the AM peak hour and 218 trips (110-in / 108-out) during the PM peak hour.

Table 1 Project Trip Generation

Land Use	Units	Trip Rate	ADT	AM Peak Hour				PM Peak Hour				
				%	Trips	Split	In	Out	%	Trips	Split	In	Out
Residential													
Multi-family	102 DU	6 / DU	612	8%	49	2:8	10	39	9%	56	7:3	39	17
		Subtotal	612		49	-	10	39		56		39	17
Employment/Office													
Single Tenant Office	15,086 SF	14 / KSF	212	15%	34	9:1	29	3	15%	32	2:8	6	26
		Subtotal	824		83	-	39	42	-	88	-	45	43
Commercial/Retail													
Specialty Retail Center / Strip Commercial	49,266 SF	40 / KSF	1,971	3%	60	6:4	36	24	9%	178	5:5	89	89
		Subtotal	2,795		143		75	66		266		134	132
		Gross Total	**2,795**	-	**143**		**75**	**66**		**266**		**134**	**132**
	Internal Capture (18%)[1]		-503	-	-26	-	-14	-12		-48	-	-24	-24
		Net Total Project Trips	**2,292**		**117**		**61**	**54**		**218**		**110**	**108**

Source: SANDAG (not so) Brief Guide of Vehicular Traffic Generation Rates for the San Diego Region, April 2002

Notes:
DU = Dwelling Unit.
KSF = Thousand Square Feet.
[1]Internal Capture reduction was calculated using ITE's trip reduction calculator, which is based on the NCHRP Report 664 *Enhancing Internal Trip Capture Estimation for Mixed-Use Developments. See* **Attachment A** for more details.

Project Trip Distribution

The trip distribution for the Project was developed based on the geographical location of the Project, as well as the characteristics of the surrounding land uses. The Project's trip distribution patterns are identified in **Figure 3.**

Project Trip Assignment

Based upon the Project's trip generation (Table 1) and distribution (Figure 3), daily project trips and AM/PM peak hour were assigned to the adjacent roadway network. **Figures 4** & **5** display daily trip assignment for the residential and retail components, respectively, while **Figure 6** displays the AM/PM peak hour trip assignment.

Project Study Area

The following roadway segments and intersections will be included in the project study area:

Roadway Segments

- Via Vera Cruz, between Grand Avenue and Linda Vista Drive
- Via Vera Cruz, between Linda Vista Drive and West San Marcos Blvd
- Grand Avenue, between Las Posas Road and Via Vera Cruz
- Grand Avenue, between Via Vera Cruz and Linda Vista Drive
- Grand Avenue, between Linda Vista Drive and West San Marcos Blvd
- Linda Vista Drive, between Via Vera Cruz and Grand Avenue
- West San Marcos Blvd, between Via Vera Cruz and San Marcos Blvd

Intersections

1. Las Posas Road & Grand Avenue
2. Via Vera Cruz & Grand Avenue
3. Via Vera Cruz & Linda Vista Drive
4. Grand Avenue & Linda Vista Drive
5. South Bent Avenue & Grand Avenue
6. Via Vera Cruz & West San Marcos Blvd
7. Grand Avenue & West San Marcos Blvd
8. Project Driveway #1 & Grand Avenue
9. Project Driveway #2 & Grand Avenue
10. Project Driveway #3 & Linda Vista Drive
11. Project Driveway #4 & Linda Vista Drive

The LTA will include a section regarding operational characteristics of the project driveways. **Figure 7** displays the project study area.

Traffic Volume Development

Traffic counts will be conducted along the study roadway segments and intersections listed above. To ensure that current travel patterns reflect traffic conditions prior to the COVID-19 restrictions, a count validation will be conducted. Historical counts will be compared against the new traffic counts. If current travel patterns are observed to be similar (less than 5% variations) to pre-COVID-19 conditions, the new traffic counts will be deemed appropriate to utilize for this TIA. Otherwise, these counts will be adjusted to account for reduced traffic conditions.

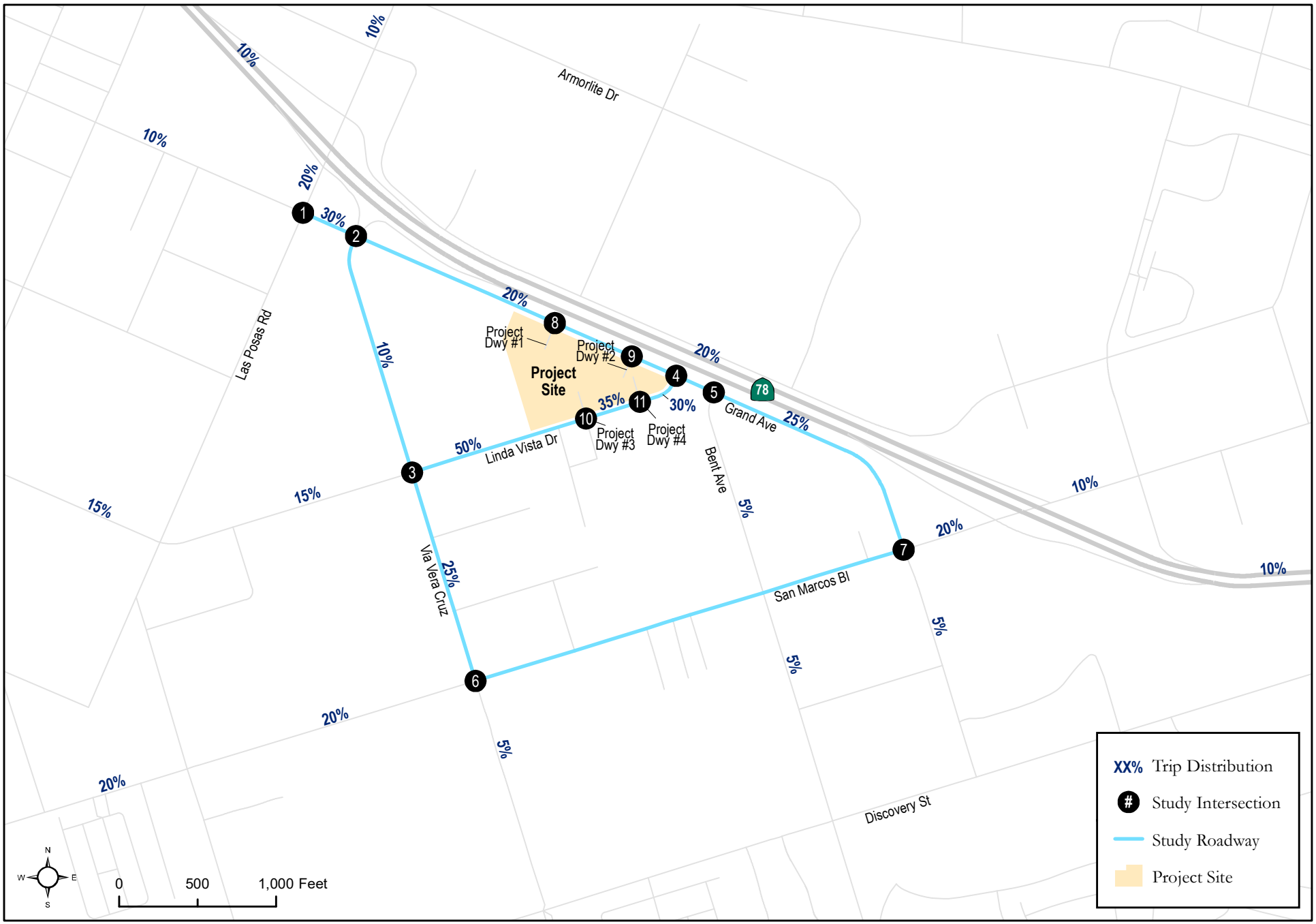

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Figure 3
Trip Distribution

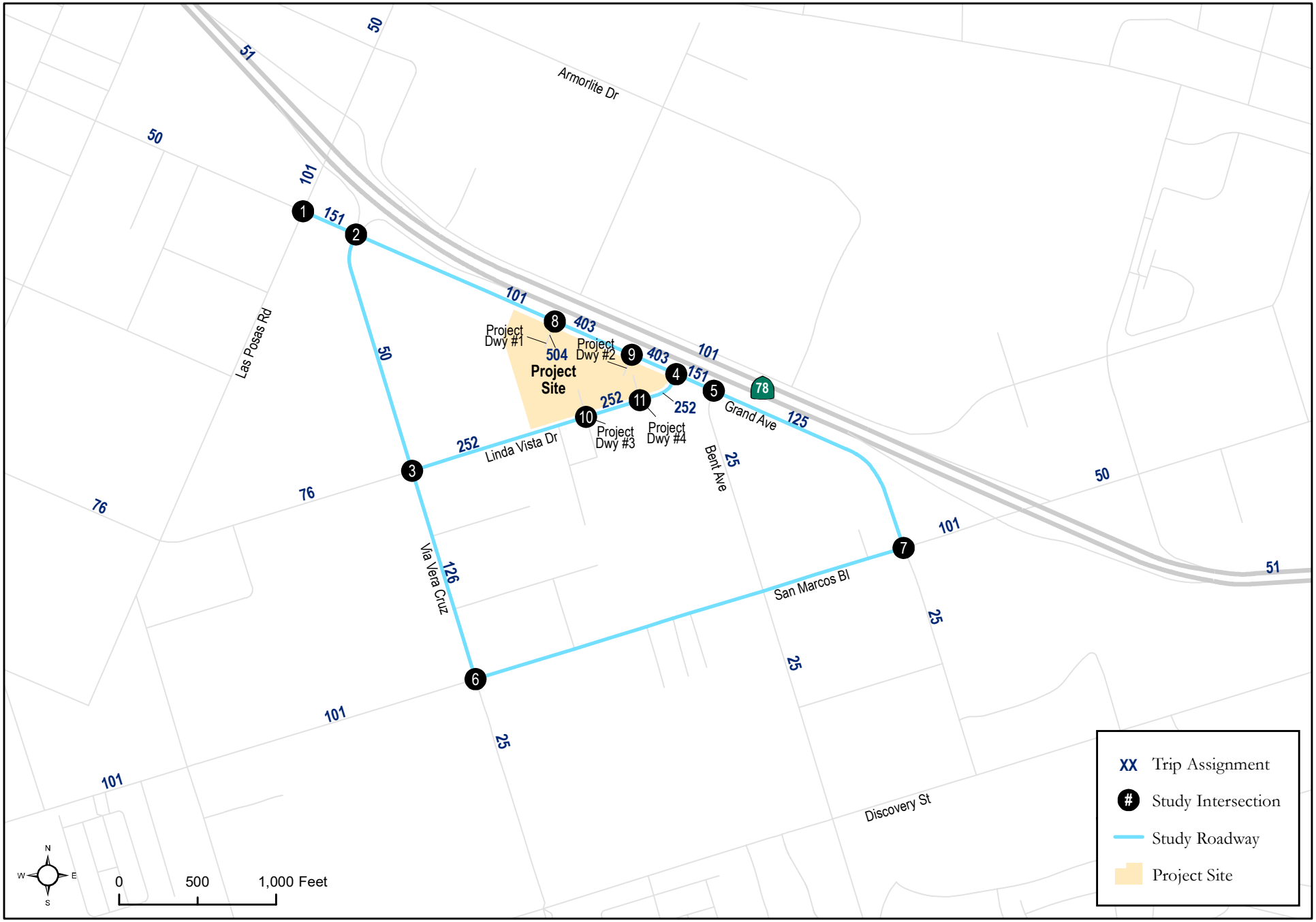

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Figure 4
Trip Assignment (Residents)

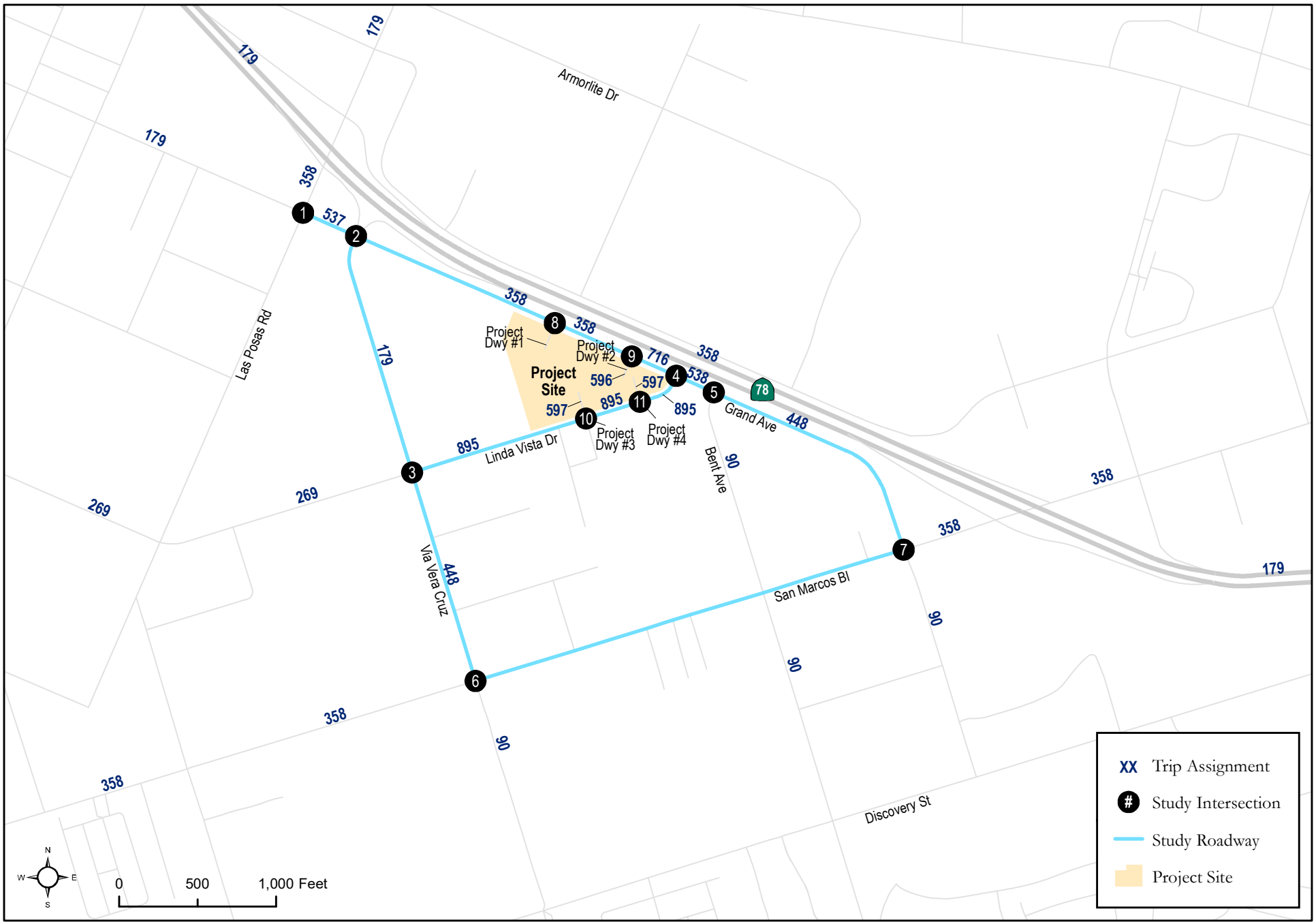

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Figure 5
Trip Assignment (Retail)

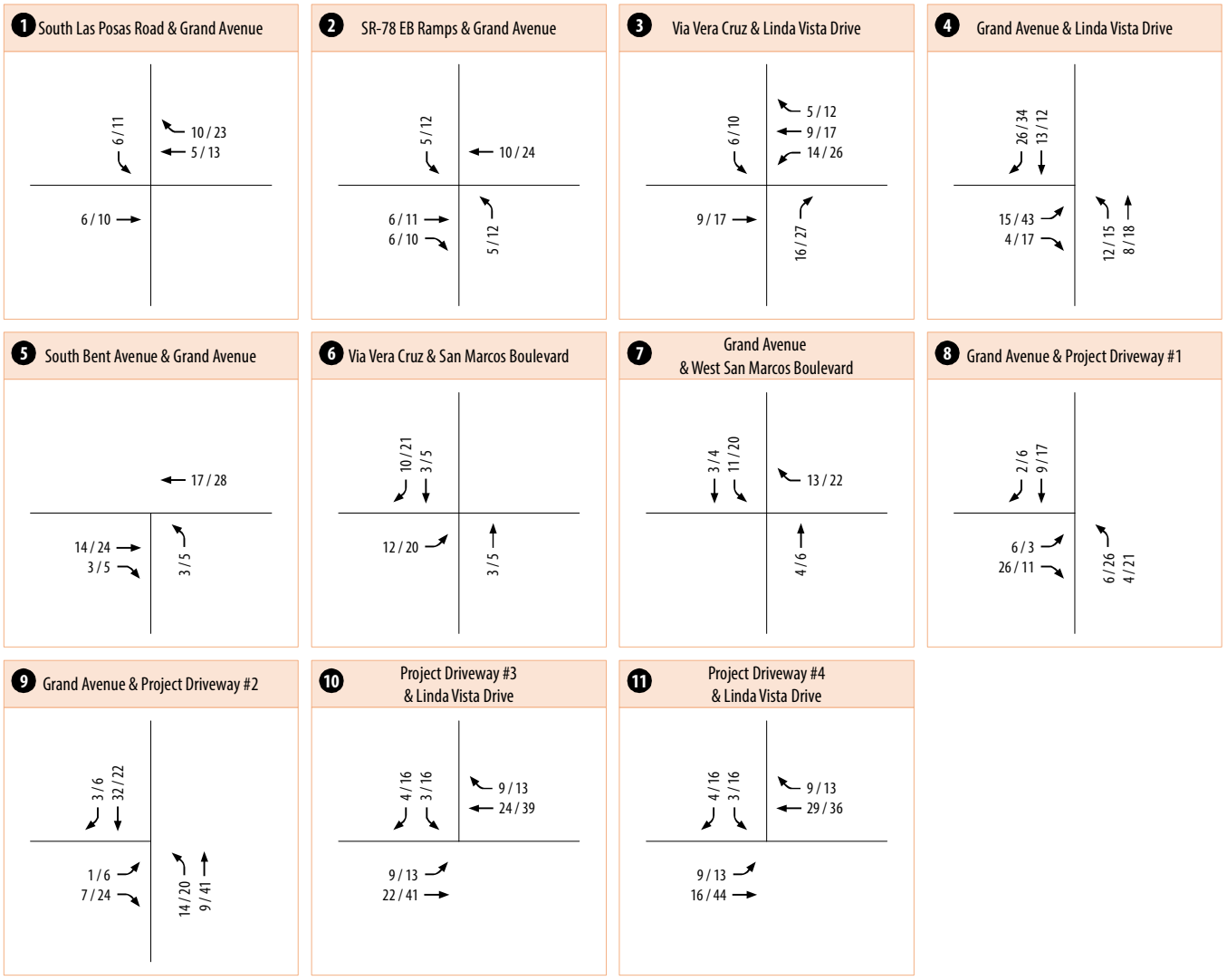

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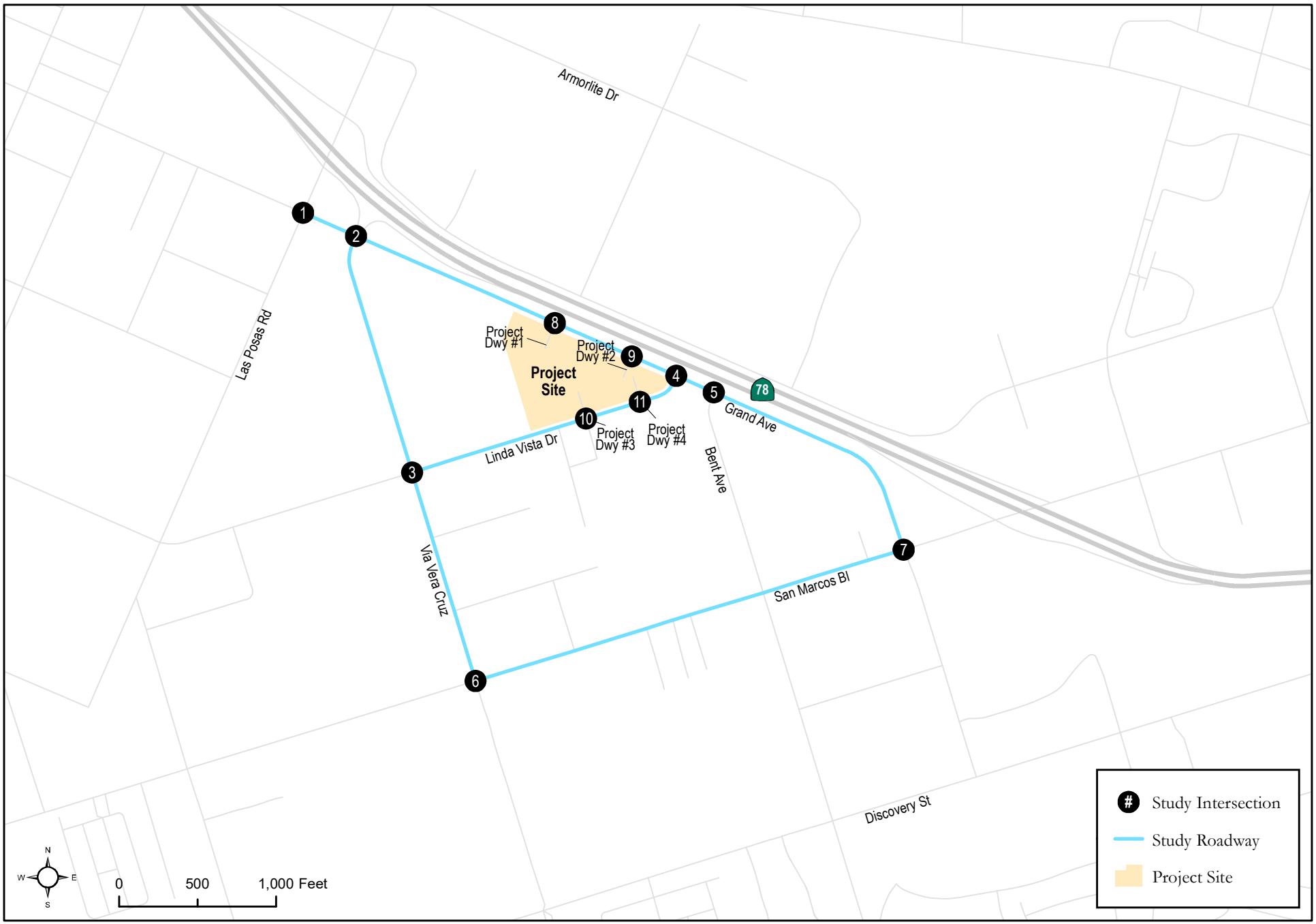
Figure 6
Project Trip Assignment - Intersection



San Marcos Artist's Village
Memorandum of Approach
C R

Figure 7
Project Study Area

Proposed Table of Contents

VMT Analysis

Executive Summary

1. Introduction
2. Project Setting
3. Analysis Methodology
4. Analysis Metrics
5. Screening Evaluation
6. VMT Analysis
7. Significant Impacts & Mitigation Measures

LTA

Executive Summary

1. Introduction
2. Project Setting
    a. Pedestrian, Bicycle, and Transit Facilities (discussion of potential impacts to multi-modal transportation)
3. Analysis Methodology
4. LTA - Existing Conditions
5. LTA - Near-Term 2024 Base Conditions
6. LTA - Near-Term 2024 Base with Project Conditions
7. LTA - Horizon Year 2050 Base Conditions
8. LTA - Horizon Year 2050 Base with Project Conditions
9. Deficiencies & Mitigation Measures
10. Site Access & On-Site Circulation
    a. Driveway Sight Distance
    b. Parking
    c. Vehicle Queueing

Attachment A - Internal Trip Capture Estimation for Mixed-Use Developments

Project Name:	San Marcos Artist's Village
Analysis Period:	**AM Street Peak Hour**

Table 7-A: Conversion of Vehicle-Trip Ends to Person-Trip Ends

Land Use	Table 7-A (D): Entering Trips			Table 7-A (O): Exiting Trips		
	Veh. Occ.	Vehicle-Trips	Person-Trips*	Veh. Occ.	Vehicle-Trips	Person-Trips*
Office	1.00	29	29	1.00	3	3
Retail	1.00	36	36	1.00	24	24
Restaurant	1.00	0	0	1.00	0	0
Cinema/Entertainment	1.00	0	0	1.00	0	0
Residential	1.00	10	10	1.00	39	39
Hotel	1.00	0	0	1.00	0	0

Table 8-A (O): Internal Person-Trip Origin-Destination Matrix (Computed at Origin)

Origin (From)	Destination (To)					
	Office	Retail	Restaurant	Cinema/Entertainment	Residential	Hotel
Office		1	2	0	0	0
Retail	7		3	0	3	0
Restaurant	0	0		0	0	0
Cinema/Entertainment	0	0	0		0	0
Residential	1	0	8	0		0
Hotel	0	0	0	0	0	

Table 8-A (D): Internal Person-Trip Origin-Destination Matrix (Computed at Destination)

Origin (From)	Destination (To)					
	Office	Retail	Restaurant	Cinema/Entertainment	Residential	Hotel
Office		12	0	0	0	0
Retail	1		0	0	0	0
Restaurant	4	3		0	1	0
Cinema/Entertainment	0	0	0		0	0
Residential	1	6	0	0		0
Hotel	1	1	0	0	0	

Table 9-A (D): Internal and External Trips Summary (Entering Trips)

Destination Land Use	Person-Trip Estimates			External Trips by Mode*		
	Internal	External	Total	Vehicles[1]	Transit[2]	Non-Motorized[2]
Office	2	27	29	27	0	0
Retail	1	35	36	35	0	0
Restaurant	0	0	0	0	0	0
Cinema/Entertainment	0	0	0	0	0	0
Residential	0	10	10	10	0	0
Hotel	0	0	0	0	0	0
All Other Land Uses[3]				0	0	0

Table 9-A (O): Internal and External Trips Summary (Exiting Trips)

Origin Land Use	Person-Trip Estimates			External Trips by Mode*		
	Internal	External	Total	Vehicles[1]	Transit[2]	Non-Motorized[2]
Office	1	2	3	2	0	0
Retail	1	23	24	23	0	0
Restaurant	0	0	0	0	0	0
Cinema/Entertainment	0	0	0	0	0	0
Residential	1	38	39	38	0	0
Hotel	0	0	0	0	0	0
All Other Land Uses[3]				0	0	0

[1]Vehicle-trips computed using the mode split and vehicle occupancy values provided in Table 2-A

[2]Person-Trips

[3]Total estimate for all other land uses at mixed-use development site-not subject to internal trip capture computations in this estimator

*Indicates computation that has been rounded to the nearest whole number.

Project Name:	San Marcos Artist's Village
Analysis Period:	**PM Street Peak Hour**

Table 7-P: Conversion of Vehicle-Trip Ends to Person-Trip Ends

Land Use	Table 7-P (D): Entering Trips			Table 7-P (O): Exiting Trips		
	Veh. Occ.	Vehicle-Trips	Person-Trips*	Veh. Occ.	Vehicle-Trips	Person-Trips*
Office	1.00	6	6	1.00	26	26
Retail	1.00	89	89	1.00	89	89
Restaurant	1.00	0	0	1.00	0	0
Cinema/Entertainment	1.00	0	0	1.00	0	0
Residential	1.00	39	39	1.00	17	17
Hotel	1.00	0	0	1.00	0	0

Table 8-P (O): Internal Person-Trip Origin-Destination Matrix (Computed at Origin)

Origin (From)	Destination (To)					
	Office	Retail	Restaurant	Cinema/Entertainment	Residential	Hotel
Office		5	1	0	1	0
Retail	2		26	4	23	4
Restaurant	0	0		0	0	0
Cinema/Entertainment	0	0	0		0	0
Residential	1	7	4	0		1
Hotel	0	0	0	0	0	

Table 8-P (D): Internal Person-Trip Origin-Destination Matrix (Computed at Destination)

Origin (From)	Destination (To)					
	Office	Retail	Restaurant	Cinema/Entertainment	Residential	Hotel
Office		7	0	0	2	0
Retail	2		0	0	18	0
Restaurant	2	45		0	6	0
Cinema/Entertainment	0	4	0		2	0
Residential	3	9	0	0		0
Hotel	0	2	0	0	0	

Table 9-P (D): Internal and External Trips Summary (Entering Trips)

Destination Land Use	Person-Trip Estimates			External Trips by Mode*		
	Internal	External	Total	Vehicles[1]	Transit[2]	Non-Motorized[2]
Office	3	3	6	3	0	0
Retail	12	77	89	77	0	0
Restaurant	0	0	0	0	0	0
Cinema/Entertainment	0	0	0	0	0	0
Residential	19	20	39	20	0	0
Hotel	0	0	0	0	0	0
All Other Land Uses[3]	0	0	0	0	0	0

Table 9-P (O): Internal and External Trips Summary (Exiting Trips)

Origin Land Use	Person-Trip Estimates			External Trips by Mode*		
	Internal	External	Total	Vehicles[1]	Transit[2]	Non-Motorized[2]
Office	6	20	26	20	0	0
Retail	20	69	89	69	0	0
Restaurant	0	0	0	0	0	0
Cinema/Entertainment	0	0	0	0	0	0
Residential	8	9	17	9	0	0
Hotel	0	0	0	0	0	0
All Other Land Uses[3]	0	0	0	0	0	0

[1]Vehicle-trips computed using the mode split and vehicle occupancy values provided in Table 2-P

[2]Person-Trips

[3]Total estimate for all other land uses at mixed-use development site-not subject to internal trip capture computations in this estimator

*Indicates computation that has been rounded to the nearest whole number.

INTERNAL CAPTURE CALCULATION

Land Use	Rate Type	Units	Type	Trip Rate	Per	ADT	AM %	AM Trips	AM Split			AM In	AM Out	PM %	PM Trips	PM Split			PM In	PM Out
RESIDENTIAL - Multi-Family (Over 20 DU/acre)	Driveway	102	DU	6	Unit	612	8%	49	2	:	8	10	39	9%	56	7	:	3	39	17
OFFICE - Corporate Headquarters/Single Tenant Office	Driveway	15,086	KSF	14	KSF	212	15%	32	9	:	1	29	3	15%	32	2	:	8	6	26
COMMERCIAL-RETAIL - Specialty Retail Center/Strip Commercial	Driveway	49,266	KSF	40	KSF	1971	3%	60	6	:	4	36	24	9%	178	5	:	5	89	89
GROSS TOTAL						**2795**		**141**				**75**	**66**		**266**				**134**	**132**
Mixed Use Internalization				18%		-503		-25				-14	-11		-48				-24	-24
NET TOTAL						**2292**		**116**				**61**	**55**		**218**				**110**	**108**

	AM Reduced Trips			PM Reduced Trips		
	Total	In	Out	Total	In	Out
	135	72	63	198	100	98
Internal Capture	4%			26%		

AM & PM Combined Internal Capture		
Total	In	Out
333	172	161
18%		

Appendix C - Signal Timings

INTELIGHT

City of San Marcos

Las Posas @ Grand

Phase Timing and Options

Unit Information

Controller Number	83
Software	Intelight MAXTIME 2.X
Main Street	Las Posas
Side Street	Grand
IP Address	

Unit Parameters

Extended Mode	Disable
Startup Flash	0
Auto Ped Clear	Enable
Red Revert	6.0
Backup Time	600
Startup All Red	6
Man. Control Seq.	1
MCE Enable	Enable
Start Yel. Override	0.0
Start Red Override	0.0
Free Sequence	1
All Red Flash Exit	6
Local CVM Fash	Disable
All Red Flash Sns	Disable
All Dark Flash Sns	Disable

Phase Timing

Phase	1	2	3	4	5	6	7	8
Description	SB Left	NB	WB Left	EB	NB Left	SB	EB Left	WB
Walk		5		5		5		
Ped Clear		29		27		23		
Steady Don't Walk								
Min Green	8	10	9	7	7	10	9	9
Min Green 2								
Passage	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
Passage 2								
Max Green 1	25	40	25	40	25	40	25	40
Max Green 2								
Yellow Change	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5
Red Clear	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
Added Initial								
Maximum Initial								
Time B4 Reduction								
Cars B4 Reduction								
Time To Reduce								
Reduce By								
Minimum Gap								
Advance Walk								
Delayed Ped								

Phase Options

Phase	1	2	3	4	5	6	7	8
Enable	X	X	X	X	X	X	X	X
Auto Flash Entry	.	.	.	X	.	.	.	X
Auto Flash Exit	.	X	.	.	.	X	.	.
Non Lock Detector	X	X	X	X	X	X	X	X
Min Vehicle Recall	.	X	.	.	.	X	.	.
Max Vehicle Recall	.	.	.	.	.	.	.	.
Ped Recall	.	.	.	.	.	.	.	.
Soft Vehicle Recall	.	.	.	.	.	.	.	.
Dual Entry	.	.	.	X	.	.	.	X
Sim. Gap Disable	.	.	.	.	.	.	.	.
Actuated Rest in Walk	.	.	.	.	.	.	.	.
Conditional Svc Enable	.	.	.	.	.	.	.	.
Add Initial Calculation	.	.	.	.	.	.	.	.
Ped Clear During Yellow	.	.	.	.	.	.	.	.
Ped Clear During Red Clr	.	.	.	.	.	.	.	.
Yellow Min Override	.	.	.	.	.	.	.	.
No Startup Call	.	.	.	.	.	.	.	.
No Ped Startup Call	.	.	.	.	.	.	.	.
Min Green 2	.	.	.	.	.	.	.	.
Max Green 2	.	.	.	.	.	.	.	.
Red Rest	.	.	.	.	.	.	.	.
Ped Recycle	.	X	.	X	.	X	.	.

Phase Configuration

Phase	Startup	Description
1	Phase Not On	SB Left
2	Green No Walk	NB
3	Phase Not On	WB Left
4	Phase Not On	EB
5	Phase Not On	NB Left
6	Green No Walk	SB
7	Phase Not On	EB Left
8	Phase Not On	WB

Global Phase Recalls

Phase	1	2	3	4	5	6	7	8
Min	.	.	.	.	.	.	.	.
Max	.	.	.	.	.	.	.	.
Ped	.	.	.	.	.	.	.	.

Notes

SAN MARCOS
DISCOVER LIFE'S POSSIBILITIES

Printed on: 3/25/2021

Sequences

Sequence 1

Ring	Sequence
1	1,2,a,3,4,b
2	5,6,a,7,8,b
3	
4	

Sequence 2

Ring	Sequence
1	2,1,a,3,4,b
2	5,6,a,7,8,b
3	
4	

Sequence 3

Ring	Sequence
1	2,1,a,4,3,b
2	5,6,a,7,8,b
3	
4	

Sequence 4

Ring	Sequence
1	2,1,a,4,3,b
2	5,6,a,7,8,b
3	
4	

Sequence 5

Ring	Sequence
1	1,2,a,3,4,b
2	5,6,a,7,8,b
3	
4	

Sequence 6

Ring	Sequence
1	1,2,a,3,4,b
2	5,6,a,7,8,b
3	
4	

Sequence 7

Ring	Sequence
1	1,2,a,4,3,b
2	6,5,a,7,8,b
3	
4	

Sequence 8

Ring	Sequence
1	2,1,a,4,3,b
2	6,5,a,7,8,b
3	
4	

Sequence 9

Ring	Sequence
1	1,2,a,3,4,b
2	5,6,a,8,7,b
3	
4	

Sequence 10

Ring	Sequence
1	2,1,a,3,4,b
2	5,6,a,8,7,b
3	
4	

Sequence 11

Ring	Sequence
1	1,2,a,4,3,b
2	5,6,a,8,7,b
3	
4	

Sequence 12

Ring	Sequence
1	2,1,a,4,3,b
2	5,6,a,8,7,b
3	
4	

Sequence 13

Ring	Sequence
1	1,2,a,3,4,b
2	6,5,a,8,7,b
3	
4	

Sequence 14

Ring	Sequence
1	2,1,a,3,4,b
2	6,5,a,8,7,b
3	
4	

Sequence 15

Ring	Sequence
1	1,2,a,4,3,b
2	6,5,a,8,7,b
3	
4	

Sequence 16

Ring	Sequence
1	2,1,a,4,3,b
2	6,5,a,8,7,b
3	
4	

Overlaps

Standard Overlaps

Overlap	1	2	3	4	5	6
Enabled	Disabled	Disabled	Disabled	Disabled	Disabled	Disabled
Description						
Type	Off	Off	Off	Off	Off	Off
Included Phs						
Modifier Phs						
Negative Phs						
Negative Ovlp						
Negative Ped						
Green Suppr						
Trail Green						
Trail Yellow						
Trail Red						
Walk						
Ped Clear						
Delay						
Startup Call	.	.	.	.	.	.
Recall	.	.	.	.	.	.
Call for Svc	.	.	.	.	.	.

Backup Prevention / No Serve Phases

Sequence 1

Backup Protection Plan

Serve Phase	Backup phase 1	2	3	4	5	6	7	8
1	.	.	.	.	.	.	.	.
2	.	.	.	.	.	.	.	.
3	.	.	.	.	.	.	.	.
4	.	.	.	.	.	.	.	.
5	.	.	.	.	.	.	.	.
6	.	.	.	.	.	.	.	.
7	.	.	.	.	.	.	.	.
8	.	.	.	.	.	.	.	.
Thru Red	No							

Call Phs

Ph	Call Ph
1	
2	
3	
4	
5	
6	
7	
8	

No Serve

Ph	No Srv
1	
2	
3	
4	
5	
6	
7	
8	

Sequence 2

Backup Protection Plan

Serve Phase	Backup phase 1	2	3	4	5	6	7	8
1	.	.	.	.	.	.	.	.
2	.	.	.	.	.	.	.	.
3	.	.	.	.	.	.	.	.
4	.	.	.	.	.	.	.	.
5	.	.	.	.	.	.	.	.
6	.	.	.	.	.	.	.	.
7	.	.	.	.	.	.	.	.
8	.	.	.	.	.	.	.	.
Thru Red	No							

Call Phs

Ph	Call Ph
1	
2	
3	
4	
5	
6	
7	
8	

No Serve

Ph	No Srv
1	
2	
3	
4	
5	
6	
7	
8	

Sequence 3

Backup Protection Plan

Serve Phase	Backup phase 1	2	3	4	5	6	7	8
1	.	.	.	.	.	.	.	.
2	.	.	.	.	.	.	.	.
3	.	.	.	.	.	.	.	.
4	.	.	.	.	.	.	.	.
5	.	.	.	.	.	.	.	.
6	.	.	.	.	.	.	.	.
7	.	.	.	.	.	.	.	.
8	.	.	.	.	.	.	.	.
Thru Red	No							

Call Phs

Ph	Call Ph
1	
2	
3	
4	
5	
6	
7	
8	

No Serve

Ph	No Srv
1	
2	
3	
4	
5	
6	
7	
8	

Sequence 4

Backup Protection Plan

Serve Phase	Backup phase 1	2	3	4	5	6	7	8
1	.	.	.	.	.	.	.	.
2	.	.	.	.	.	.	.	.
3	.	.	.	.	.	.	.	.
4	.	.	.	.	.	.	.	.
5	.	.	.	.	.	.	.	.
6	.	.	.	.	.	.	.	.
7	.	.	.	.	.	.	.	.
8	.	.	.	.	.	.	.	.
Thru Red	No							

Call Phs

Ph	Call Ph
1	
2	
3	
4	
5	
6	
7	
8	

No Serve

Ph	No Srv
1	
2	
3	
4	
5	
6	
7	
8	

Sequence 5

Backup Protection Plan

Serve Phase	Backup phase 1	2	3	4	5	6	7	8
1	.	.	.	.	.	.	.	.
2	.	.	.	.	.	.	.	.
3	.	.	.	.	.	.	.	.
4	.	.	.	.	.	.	.	.
5	.	.	.	.	.	.	.	.
6	.	.	.	.	.	.	.	.
7	.	.	.	.	.	.	.	.
8	.	.	.	.	.	.	.	.
Thru Red	No							

Call Phs

Ph	Call Ph
1	
2	
3	
4	
5	
6	
7	
8	

No Serve

Ph	No Srv
1	
2	
3	
4	
5	
6	
7	
8	

Sequence 6

Backup Protection Plan

Serve Phase	Backup phase 1	2	3	4	5	6	7	8
1	.	.	.	.	.	.	.	.
2	.	.	.	.	.	.	.	.
3	.	.	.	.	.	.	.	.
4	.	.	.	.	.	.	.	.
5	.	.	.	.	.	.	.	.
6	.	.	.	.	.	.	.	.
7	.	.	.	.	.	.	.	.
8	.	.	.	.	.	.	.	.
Thru Red	No							

Call Phs

Ph	Call Ph
1	
2	
3	
4	
5	
6	
7	
8	

No Serve

Ph	No Srv
1	
2	
3	
4	
5	
6	
7	
8	

Sequence 7

Backup Protection Plan

Serve Phase	Backup phase 1	2	3	4	5	6	7	8
1	.	.	.	.	.	.	.	.
2	.	.	.	.	.	.	.	.
3	.	.	.	.	.	.	.	.
4	.	.	.	.	.	.	.	.
5	.	.	.	.	.	.	.	.
6	.	.	.	.	.	.	.	.
7	.	.	.	.	.	.	.	.
8	.	.	.	.	.	.	.	.
Thru Red	No							

Call Phs

Ph	Call Ph
1	
2	
3	
4	
5	
6	
7	
8	

No Serve

Ph	No Srv
1	
2	
3	
4	
5	
6	
7	
8	

Sequence 8

Backup Protection Plan

Serve Phase	Backup phase 1	2	3	4	5	6	7	8
1	.	.	.	.	.	.	.	.
2	.	.	.	.	.	.	.	.
3	.	.	.	.	.	.	.	.
4	.	.	.	.	.	.	.	.
5	.	.	.	.	.	.	.	.
6	.	.	.	.	.	.	.	.
7	.	.	.	.	.	.	.	.
8	.	.	.	.	.	.	.	.
Thru Red	No							

Call Phs

Ph	Call Ph
1	
2	
3	
4	
5	
6	
7	
8	

No Serve

Ph	No Srv
1	
2	
3	
4	
5	
6	
7	
8	

Sequence 9

Backup Protection Plan

Serve Phase	Backup phase 1	2	3	4	5	6	7	8
1	.	.	.	.	.	.	.	.
2	.	.	.	.	.	.	.	.
3	.	.	.	.	.	.	.	.
4	.	.	.	.	.	.	.	.
5	.	.	.	.	.	.	.	.
6	.	.	.	.	.	.	.	.
7	.	.	.	.	.	.	.	.
8	.	.	.	.	.	.	.	.
Thru Red	No							

Call Phs

Ph	Call Ph
1	
2	
3	
4	
5	
6	
7	
8	

No Serve

Ph	No Srv
1	
2	
3	
4	
5	
6	
7	
8	

Detector Configuration

Vehicle Detectors

Detector	Slot	C1 Pin Number	Call Phas	Call O/L	Addtnl Call PH	Switch Phase	Delay	Extend	Queue Limit	No Activity	Max Pres.	Erratic Count	Fail Time	Failed Recall	Description
1	I-1	C1-56	1											None	
2	I-2U	C1-39	2											None	
3	I-2L	C1-43	2											None	
4	I-3U	C1-63	2											None	
5	I-3L	C1-76	2											None	
6	I-4	C1-47	2											None	
7	I-5	C1-58	3											None	
8	I-6U	C1-41	4											None	
9	I-6L	C1-45	4											None	
10	I-7U	C1-65	4											None	
11	I-7L	C1-78	4											None	
12	I-8	C1-49	4											None	
13	I-9U	C1-60	1											None	
14	I-9L	C1-62	3											None	
15	J-1	C1-55	5											None	
16	J-2U	C1-40	6											None	
17	J-2L	C1-44	6											None	
18	J-3U	C1-64	6											None	
19	J-3L	C1-77	6											None	
20	J-4	C1-48	6											None	
21	J-5	C1-57	7											None	
22	J-6U	C1-42	8											None	
23	J-6L	C1-46	8											None	
24	J-7U	C1-66	8											None	
25	J-7L	C1-79	8											None	
26	J-8	C1-50	8											None	
27	J-9U	C1-59	5											None	
28	J-9L	C1-61	7											None	

Pedestrian Detectors

Detector	Slot	C1 Pin Number	Call PH	Call O/L	Addtnl Call PH	No Act	Max Pres	Erratic Count
1	-------	-------						
2	I-12U	C1-67	2					
3	-------	-------						
4	I-12L	C1-69	4					
5	-------	-------						
6	I-13U	C1-68	6					
7	-------	-------						
8	I-13L	C1-70	8					

Global Vehicle Detector Parameters

Global No Activity	
Global Max Presence	20
Global Erratic Count	
Global Failed Recall	Max Recall
Detector Reset Enable	Enabled

Global Ped Detector Parameters

Global No Activity	
Global Max Pres.	5
Global Erratic Ct	

Vehicle Detection Options

Detector	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
Volume	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Occupancy	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Yellow Lock Call	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Red Lock Call	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Extend	X	X	X	X	X	**X**	X	X	X	X	X	**X**	X	X	X	X	X	X	X	**X**	X	X	X	X	X	**X**	X	X
Added Initial	X	X	X	X	X	.	X	X	X	X	X	.	X	X	X	X	X	X	X	.	X	X	X	X	X	.	X	X
Queue	.	.	.	.	.	**.**	.	.	.	.	.	**.**	.	.	.	.	.	.	.	**.**	.	.	.	.	.	**.**	.	.
Call	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Min Green 2	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Passage 2	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.

Coordination Configuration

Coordination Parameters

Operational Mode	Automatic
Coord Mode	Full Permissive
Maximum Mode	Per Pattern
Force Mode	Per Pattern
Correction Mode	Shortway (Auto)
Max Cyc Limit %	25
Min Cyc Limit %	25
Max Dwell	0
Trans. Cover Ped	Pattern

Patterns

Patt.	Cycle	Offset 1	Split	Seq	Reference	Coord Mode	FO Mode	Max Mode	Phs Pln	Det Pln	Ped Pln	OL Pln	Description
1	100	24	1	2	Yellow	Auto Permissive	Fixed	Max Inhibit	1	1	1	1	
2	100	3	2	3	Yellow	Auto Permissive	Fixed	Max Inhibit	1	1	1	1	
3	110	1	3	2	Yellow	Auto Permissive	Fixed	Max Inhibit	1	1	1	1	
4					Yellow	Auto Permissive	Fixed	Max Inhibit	1	1	1	1	
5					Yellow	Auto Permissive	Fixed	Max Inhibit	1	1	1	1	
6					Yellow	Auto Permissive	Fixed	Max Inhibit	1	1	1	1	
7					Yellow	Auto Permissive	Fixed	Max Inhibit	1	1	1	1	
8					Yellow	Auto Permissive	Fixed	Max Inhibit	1	1	1	1	
9					Yellow	Auto Permissive	Fixed	Max Inhibit	1	1	1	1	

Split Parameters

Split 1

PH.	Time	Min	Max	Coord Phase	Ref Phase	FO Mode	Mode
1	20			.	.	Fixed	None
2	36			X	X	Fixed	None
3	16			.	.	Fixed	None
4	28			.	.	Fixed	None
5	16			.	.	Fixed	None
6	40			X	.	Fixed	None
7	16			.	.	Fixed	None
8	28			.	.	Fixed	None

Split 2

PH.	Time	Min	Max	Coord Phase	Ref Phase	FO Mode	Mode
1	22			.	.	Fixed	None
2	30			X	X	Fixed	None
3	16			.	.	Fixed	None
4	32			.	.	Fixed	None
5	16			.	.	Fixed	None
6	36			X	.	Fixed	None
7	17			.	.	Fixed	None
8	31			.	.	Fixed	None

Split 3

PH.	Time	Min	Max	Coord Phase	Ref Phase	FO Mode	Mode
1	24			.	.	Fixed	None
2	42			X	X	Fixed	None
3	18			.	.	Fixed	None
4	26			.	.	Fixed	None
5	20			.	.	Fixed	None
6	46			X	.	Fixed	None
7	18			.	.	Fixed	None
8	26			.	.	Fixed	None

Split 4

PH.	Time	Min	Max	Coord Phase	Ref Phase	FO Mode	Mode
1				.	.	Fixed	None
2				.	.	Fixed	None
3				.	.	Fixed	None
4				.	.	Fixed	None
5				.	.	Fixed	None
6				.	.	Fixed	None
7				.	.	Fixed	None
8				.	.	Fixed	None

Split 5

PH.	Time	Min	Max	Coord Phase	Ref Phase	FO Mode	Mode
1				.	.	Fixed	None
2				.	.	Fixed	None
3				.	.	Fixed	None
4				.	.	Fixed	None
5				.	.	Fixed	None
6				.	.	Fixed	None
7				.	.	Fixed	None
8				.	.	Fixed	None

Split 6

PH.	Time	Min	Max	Coord Phase	Ref Phase	FO Mode	Mode
1				.	.	Fixed	None
2				.	.	Fixed	None
3				.	.	Fixed	None
4				.	.	Fixed	None
5				.	.	Fixed	None
6				.	.	Fixed	None
7				.	.	Fixed	None
8				.	.	Fixed	None

Split 7

PH.	Time	Min	Max	Coord Phase	Ref Phase	FO Mode	Mode
1				.	.	Fixed	None
2				.	.	Fixed	None
3				.	.	Fixed	None
4				.	.	Fixed	None
5				.	.	Fixed	None
6				.	.	Fixed	None
7				.	.	Fixed	None
8				.	.	Fixed	None

Split 8

PH.	Time	Min	Max	Coord Phase	Ref Phase	FO Mode	Mode
1				.	.	Fixed	None
2				.	.	Fixed	None
3				.	.	Fixed	None
4				.	.	Fixed	None
5				.	.	Fixed	None
6				.	.	Fixed	None
7				.	.	Fixed	None
8				.	.	Fixed	None

Split 9

PH.	Time	Min	Max	Coord Phase	Ref Phase	FO Mode	Mode
1				.	.	Fixed	None
2				.	.	Fixed	None
3				.	.	Fixed	None
4				.	.	Fixed	None
5				.	.	Fixed	None
6				.	.	Fixed	None
7				.	.	Fixed	None
8				.	.	Fixed	None

Advanced Coord Options

Pattern	1	2	3	4	5	6	7	8	9
Ring Plan									
Allow Split Underrun	.	.	.	.	.	.	.	.	.
Allow Split Overrun	.	.	.	.	.	.	.	.	.
Allow No Coord Phase	.	.	.	.	.	.	.	.	.
Coord Now	.	.	.	.	.	.	.	.	.

Ring Plans

Ring Plan 1

Ring	Offset	Early Gap
1		
2		
3		
4		

Ring Plan 2

Ring	Offset	Early Gap
1		
2		
3		
4		

Ring Plan 3

Ring	Offset	Early Gap
1		
2		
3		
4		

Ring Plan 4

Ring	Offset	Early Gap
1		
2		
3		
4		

Ring Plan 5

Ring	Offset	Early Gap
1		
2		
3		
4		

Ring Plan 6

Ring	Offset	Early Gap
1		
2		
3		
4		

Ring Plan 7

Ring	Offset	Early Gap
1		
2		
3		
4		

Ring Plan 8

Ring	Offset	Early Gap
1		
2		
3		
4		

Ring Plan 9

Ring	Offset	Early Gap
1		
2		
3		
4		

Scheduler Configuration

Schedule 1

Status	Enabled

Month of Year											
J	F	M	A	M	J	J	A	S	O	N	D
X	X	X	X	X	X	X	X	X	X	X	X

Description	Weekday

Days of Week						
S	M	T	W	T	F	S
.	X	X	X	X	X	.

Day Plan	1

Days of Month																														
									1												2									3
1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1
X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X

Schedule 2

Status	Enabled

Month of Year											
J	F	M	A	M	J	J	A	S	O	N	D
X	X	X	X	X	X	X	X	X	X	X	X

Description	Weekend

Days of Week						
S	M	T	W	T	F	S
X	.	.	.	.	.	X

Day Plan	2

Days of Month																														
									1												2									3
1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1
X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X

Schedule 3

Status	Disabled

Month of Year											
J	F	M	A	M	J	J	A	S	O	N	D
.	.	.	.	.	.	.	.	.	.	.	.

Description	

Days of Week						
S	M	T	W	T	F	S
.	.	.	.	.	.	.

Day Plan	0

Days of Month																														
									1												2									3
1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1
.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.

Day Plans

Day Plan 1

Event	HR	MIN	ACT	Description
1	6	30	1	AM Peak
2	9	30	2	MD Peak
3	14	30	3	PM Peak
4	20		64	Free
5				
6				
7				
8				
9				
10				

Day Plan 2

Event	HR	MIN	ACT	Description
1	9		2	Weekend Plan
2	20		64	Free
3				
4				
5				
6				
7				
8				
9				
10				

Day Plan 3

Event	HR	MIN	ACT	Description
1				
2				
3				
4				
5				
6				
7				
8				
9				
10				

Action Commands

Action	Command	Index
1	None	
2	None	
3	None	
4	None	
5	None	

Action	Command	Index
6	None	
7	None	
8	None	
9	None	
10	None	

Action	Command	Index
11	None	
12	None	
13	None	
14	None	
15	None	

Action	Command	Index
16	None	
17	None	
18	None	
19	None	
20	None	

Actions

		Aux			Special Functions						
Action	Pattern	1	2	3	1	2	3	4	5	6	7	8
1	Pattern 1	.	.	.	.	.	.	.	.	.	.	.
2	Pattern 2	.	.	.	.	.	.	.	.	.	.	.
3	Pattern 3	.	.	.	.	.	.	.	.	.	.	.
4	Pattern 4	.	.	.	.	.	.	.	.	.	.	.
5	Pattern 5	.	.	.	.	.	.	.	.	.	.	.
6	Pattern 6	.	.	.	.	.	.	.	.	.	.	.
7	Pattern 7	.	.	.	.	.	.	.	.	.	.	.
8	Pattern 8	.	.	.	.	.	.	.	.	.	.	.
9	Pattern 9	.	.	.	.	.	.	.	.	.	.	.
10	Pattern 10	.	.	.	.	.	.	.	.	.	.	.
11	None	.	.	.	.	.	.	.	.	.	.	.
12	None	.	.	.	.	.	.	.	.	.	.	.
13	None	.	.	.	.	.	.	.	.	.	.	.
14	None	.	.	.	.	.	.	.	.	.	.	.
15	None	.	.	.	.	.	.	.	.	.	.	.
16	None	.	.	.	.	.	.	.	.	.	.	.
17	None	.	.	.	.	.	.	.	.	.	.	.
18	None	.	.	.	.	.	.	.	.	.	.	.
19	None	.	.	.	.	.	.	.	.	.	.	.
20	None	.	.	.	.	.	.	.	.	.	.	.
64	Free	.	.	.	.	.	.	.	.	.	.	.

Preempt Configuration

Preemption Configuration

Preempt	1	2	3	4	5	6
Enabled	Enabled	Disabled	Enabled	Enabled	Enabled	Enabled
Type	Rail Road	Rail Road	Emergency Veh	Emergency Veh	Emergency Veh	Emergency Veh
Description	BBS Flash					
Track Phase						
Track 2 Phases						
Track Overlap						
Track 2 Overlap						
Dwell Phase			2,5	4,7	1,6	3,8
Dwell Ped						
Dwell Overlap						
Cycling Phase						
Cycling Ped						
Cycling Overlap						
Exit Phase			2,6	4,8	2,6	4,8
Exit Overlaps						
Recovery Exit Omit						

Preemption Options

Preempt	1	2	3	4	5	6
Non Lock Mem	.	.	.	.	.	.
Not Overide Flash	.	.	.	.	.	.
Not Overide Next Preempt	.	.	.	.	.	.
Flash Dwell	.	.	.	.	.	.
Ped Recycle in Dwell Cycle	.	.	.	.	.	.
Immediate Ped Clear	.	.	.	.	.	.
Dwell Only Status Output	.	.	.	.	.	.
All Red Flash Dwell	X	.	.	.	.	.
Allow All Overlaps	.	.	.	.	.	.
Require All Red Entry	.	.	.	.	.	.
Require Gate Down Track Exit	.	.	.	.	.	.
Require Gate Up Dwell Exit	.	.	.	.	.	.
Use Normal On/Normal Off Input	.	.	.	.	.	.

Preemption Parameters

Preempt	1	2	3	4	5	6
Link						
Delay						
Min Duration						
Min Presence						
Max Presence			255	255	255	255
Max Presence Action	Terminate	Terminate	Terminate	Terminate	Terminate	Terminate
Enter Min Green						
Enter Yellow Change	25.5	25.5	25.5	25.5	25.5	25.5
Enter Red Clear	25.5	25.5	25.5	25.5	25.5	25.5
Enter Min Walk						
Enter Ped Clear			255	255	255	255
Track Green						
Track Yellow Change	25.5	25.5	25.5	25.5	25.5	25.5
Track Red Clear	25.5	25.5	25.5	25.5	25.5	25.5
Track 2 Green						
Track 2 Yellow	25.5	25.5	25.5	25.5	25.5	25.5
Track 2 Red	25.5	25.5	25.5	25.5	25.5	25.5
Track Ext. Gate Down						

Preempt Parameters

Preempt	1	2	3	4	5	6
Dwell Green			1	1	1	1
Exit Ped Clear	255	255	255	255	255	255
Exit Yellow Change	25.5	25.5	25.5	25.5	25.5	25.5
Exit Red Clear	25.5	25.5	25.5	25.5	25.5	25.5
Dwell Ext Time						
Max Exit Green						
Exit Type	Exit Phases	Exit Phases	Exit Phases	Exit Phases	Exit Phases	Exit Phases
Exit Max Mode	Disabled	Disabled	Disabled	Disabled	Disabled	Disabled
Exit Max Apply Time						
Veh Exit Calls						
Ped Exit Calls						

Advanced I/O Configuration

Channel Configuration

Ch	Control Type	Source
1	Phase Vehicle	1
2	Phase Vehicle	2
3	Phase Vehicle	3
4	Phase Vehicle	4
5	Phase Vehicle	5
6	Phase Vehicle	6
7	Phase Vehicle	7
8	Phase Vehicle	8

Ch	Control Type	Source
9	None	
10	None	
11	None	
12	None	
13	Phase Ped	2
14	Phase Ped	4
15	Phase Ped	6
16	Phase Ped	8

Concurrency Mode

Concurrency Mode
Auto

Auto Concurrency

Ch	Concurrency
1	5,6,15
2	5,6,13,15
3	7,8,16
4	7,8,14,16
5	13
6	13,15
7	14
8	14,16
9	
10	
11	
12	
13	15
14	16
15	
16	

Channel Options

Channel	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Flash Yellow	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Flash Red	X	X	X	X	X	X	X	X	.	.	.	.	.	.	.	.
Flash Alternate Half Hertz	X	.	.	X	X	.	.	X	.	.	.	.	.	.	.	.

Cabinet Configuration

IO Modules

IO Module	Type
1	Caltrans 332

Input Points

Input	C1 Pin	Input Type	Idx
1	C1-39	Vehicle Det Call	2
2	C1-40	Vehicle Det Call	16
3	C1-41	Vehicle Det Call	8
4	C1-42	Vehicle Det Call	22
5	C1-43	Vehicle Det Call	3
6	C1-44	Vehicle Det Call	17
7	C1-45	Vehicle Det Call	9
8	C1-46	Vehicle Det Call	23
9	C1-47	Vehicle Det Call	6
10	C1-48	Vehicle Det Call	20
11	C1-49	Vehicle Det Call	12
12	C1-50	Vehicle Det Call	26
13	C1-51	Preempt Input	1
14	C1-52	Preempt Input	2
15	C1-53	Unit Manual Control Enable	1
16	C1-54	Not Active	

Input	C1 Pin	Input Type	Idx
17	C1-55	Vehicle Det Call	15
18	C1-56	Vehicle Det Call	1
19	C1-57	Vehicle Det Call	21
20	C1-58	Vehicle Det Call	7
21	C1-59	Vehicle Det Call	27
22	C1-60	Vehicle Det Call	13
23	C1-61	Vehicle Det Call	28
24	C1-62	Vehicle Det Call	14
25	C11-10	Not Active	
26	C11-11	Not Active	
27	C11-12	Not Active	
28	C11-13	Not Active	
29	C1-63	Vehicle Det Call	4
30	C1-64	Vehicle Det Call	18
31	C1-65	Vehicle Det Call	10
32	C1-66	Vehicle Det Call	24

Input	C1 Pin	Input Type	Idx
33	C1-67	Ped Det Call	2
34	C1-68	Ped Det Call	6
35	C1-69	Ped Det Call	4
36	C1-70	Ped Det Call	8
37	C1-71	Preempt Input	3
38	C1-72	Preempt Input	4
39	C1-73	Preempt Input	5
40	C1-74	Preempt Input	6
41	C1-75	Not Active	
42	C1-76	Vehicle Det Call	5
43	C1-77	Vehicle Det Call	19
44	C1-78	Vehicle Det Call	11
45	C1-79	Vehicle Det Call	25
46	C1-80	Unit Interval Advance	1
47	C1-81	Unit Local Flash Sense	1
48	C1-82	Unit Stop Time	1

Input	C1 Pin	Input Type	Idx
49	C11-15	Not Active	
50	C11-16	Not Active	
51	C11-17	Not Active	
52	C11-18	Not Active	
53	C11-19	Not Active	
54	C11-20	Not Active	
55	C11-21	Not Active	
56	C11-22	Not Active	
57	C11-23	Not Active	
58	C11-24	Not Active	
59	C11-25	Not Active	
60	C11-26	Not Active	
61	C11-27	Not Active	
62	C11-28	Not Active	
63	C11-29	Not Active	
64	C11-30	Not Active	

Cabinet Configuration

Output Points

Output	C1 Pin	Output Type	Idx
1	C1-2	Channel Red Do Not Walk Driver	14
2	C1-3	Channel Green Walk Driver	14
3	C1-4	Channel Red Do Not Walk Driver	4
4	C1-5	Channel Yellow Ped Clear Driver	4
5	C1-6	Channel Green Walk Driver	4
6	C1-7	Channel Red Do Not Walk Driver	3
7	C1-8	Channel Yellow Ped Clear Driver	3
8	C1-9	Channel Green Walk Driver	3
9	C1-10	Channel Red Do Not Walk Driver	13
10	C1-11	Channel Green Walk Driver	13
11	C1-12	Channel Red Do Not Walk Driver	2
12	C1-13	Channel Yellow Ped Clear Driver	2
13	C1-15	Channel Green Walk Driver	2
14	C1-16	Channel Red Do Not Walk Driver	1
15	C1-17	Channel Yellow Ped Clear Driver	1
16	C1-18	Channel Green Walk Driver	1
17	C1-19	Channel Red Do Not Walk Driver	16
18	C1-20	Channel Green Walk Driver	16
19	C1-21	Channel Red Do Not Walk Driver	8
20	C1-22	Channel Yellow Ped Clear Driver	8
21	C1-23	Channel Green Walk Driver	8
22	C1-24	Channel Red Do Not Walk Driver	7
23	C1-25	Channel Yellow Ped Clear Driver	7
24	C1-26	Channel Green Walk Driver	7
25	C1-27	Channel Red Do Not Walk Driver	15
26	C1-28	Channel Green Walk Driver	15
27	C1-29	Channel Red Do Not Walk Driver	6
28	C1-30	Channel Yellow Ped Clear Driver	6
29	C1-31	Channel Green Walk Driver	6
30	C1-32	Channel Red Do Not Walk Driver	5
31	C1-33	Channel Yellow Ped Clear Driver	5
32	C1-34	Channel Green Walk Driver	5

Output	C1 Pin	Output Type	Idx
33	C1-35	Channel Yellow Ped Clear Driver	13
34	C1-36	Channel Yellow Ped Clear Driver	15
35	C1-37	Channel Yellow Ped Clear Driver	14
36	C1-38	Channel Yellow Ped Clear Driver	16
37	C1-100	Channel Yellow Ped Clear Driver	18
38	C1-101	Channel Yellow Ped Clear Driver	11
39	C1-102	Detector Reset	1
40	C1-103	Watchdog	
41	C1-83	Channel Red Do Not Walk Driver	18
42	C1-84	Channel Green Walk Driver	18
43	C1-85	Channel Red Do Not Walk Driver	17
44	C1-86	Channel Yellow Ped Clear Driver	17
45	C1-87	Channel Green Walk Driver	17
46	C1-88	Channel Red Do Not Walk Driver	12
47	C1-89	Channel Yellow Ped Clear Driver	12
48	C1-90	Channel Green Walk Driver	12
49	C1-91	Channel Red Do Not Walk Driver	11
50	C1-93	Channel Green Walk Driver	11
51	C1-94	Channel Red Do Not Walk Driver	10
52	C1-95	Channel Yellow Ped Clear Driver	10
53	C1-96	Channel Green Walk Driver	10
54	C1-97	Channel Red Do Not Walk Driver	9
55	C1-98	Channel Yellow Ped Clear Driver	9
56	C1-99	Channel Green Walk Driver	9
57	C11-1	Not Active	
58	C11-2	Not Active	
59	C11-3	Not Active	
60	C11-4	Not Active	
61	C11-5	Not Active	
62	C11-6	Not Active	
63	C11-7	Not Active	
64	C11-8	Not Active	

User Programs

Program 1

Enabled

Line	Result	Idx	Operation	Parameter A	Idx	Parameter B	Idx	Dly	Ext	Description
1	Unit Stop Time	1	Result=A	Aux Switch State						Aux switch stop time
2										
3										
4										
5										
6										
7										
8										
9										
10										
11										
12										
13										
14										
15										
16										
17										
18										
19										
20										
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22										
23										
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25										
26										
27										
28										
29										
30										
31										
32										
33										
34										
35										
36										
37										
38										
39										
40										

LOCATION: RTE 78 EB @ GRAND AVENUE - VIA VERA CRUZ

CALTRANS C8 Version 3 DATE: 12/18/14

F PAGE

	INTERVAL	PHASE TIMING 1	2	3	4	5	6	7	8	9
0	WALK	1	7			1	1	19	1	CLK RST
1	DONT WALK	1	18			1	1	1	1	
2	MIN GREEN	11	6			5	9	5	11	
3	TYPE 3 DET	0	0			0	0	0	0	
4	ADD/VEH	0.0	0.0			0.0	0.0	0.0	0.0	
5	PASSAGE	2.0	2.0			3.0	2.0	2.0	2.0	
6	MAX GAP	2.0	2.0			5.0	2.0	2.0	2.0	
7	MIN GAP	2.0	2.0			2.0	2.0	2.0	2.0	
8	MAX EXT	10	25			20	15	15	15	
9	MAX 2					40		40		YR
A	MAX 3									MO
B										DAY
C	REDUCE BY	0.0	0.0			0.1	0.0	0.0	0.0	DOW
D	EVERY	1.0	1.0			1.0	1.0	1.0	1.0	HR
E	YELLOW	3.7	4.8			3.7	4.8	4.1	4.1	MIN
F	RED	1.0	2.0			1.0	2.0	1.0	1.0	SEC
3.5	PED XING FT		80							
	BIKE XING FT	127	84				124		133	

	PRE-EMPTION E	
EV SEL	0	
RR1 CLR	15	
EVA DLY	0	
EVA CLR	5	
EVB DLY	0	
EVB CLR	5	
EVC DLY	0	
EVC CLR	5	
EVD DLY	0	
EVD CLR	5	
MAX EV	255	
RR2 CLR	15	

F FLAGS	1	2	3	4	5	6	7	8	
PERMIT	1	2			5	6	7	8	0
RED LOCK	1				5		7	8	1
YEL LOCK									2
V RECALL		2				6			3
P RECALL									4
PED PHASES		2					7		5
RT OLA									6
RT OLB									7
DBL ENTRY									8
MAX 2 PHASES					5		7		9
LAG PHASES	READ ONLY								A
RED REST									B
REST-IN-WALK									C
MAX 3 PHASES									D
YEL START UP		2				6			E
FIRST PHASE							7		F
	1	2	3	4	5	6	7	8	

FOC LONG FAILURE	
FOD SHORT FAILURE	
FOE	0
FOF	5

FCO	3
FC1	3
FC2	10
FCA	0.0
FCB	0.0
FCC	0.0
FCD	0.0

FD0 TB SELECT	1
FD3 PED SELECT	0
FD4 7 WIRE	0
FD5 PERMISSIVE	0
FD8 OS SEEKING	1

CO5 FLASH TYPE	1
CC2 DOWNLOAD	1

NOTES:
7/8 SPLIT
OLA = FZ 8

ENTRIES IN THESE LOCATIONS CAN BE CHANGED IN CC1 FLASH ONLY

Do Not Reproduce

LOCATION: **RTE 78 EB @ GRAND AVENUE - VIA VERA CRUZ**

CALTRANS C8 Version 3 DATE: 2/11/13

C PAGE

		CONTROL PLANS									Y-COORD			LAG PHASE		FLAGS									
		1	2	3	4	5	6	7	8	9		C	D	E		F	1	2	3	4	5	6	7	8	
0	CYCLE LENGTH	100	100	110												LAG FZ FREE		2				6		8	0
1	FZ1 GRN FCTR	15	15	15										GAPOUT CP1	0	LAG FZ CP 1		2				6		8	1
2														GAPOUT CP2	0	LAG FZ CP 2		2				6		8	2
3	FZ3 GRN FCTR	0	0	0										GAPOUT CP3	0	LAG FZ CP 3		2				6		8	3
4	FZ4 GRN FCTR	0	0	0							PERM TIME			GAPOUT CP4		LAG FZ CP 4									4
5	FZ5 GRN FCTR	12	19	34							LAG OFFSET			GAPOUT CP5		LAG FZ CP 5									5
6											FORCE OFF			GAPOUT CP6		LAG FZ CP 6									6
7	FZ7 GRN FCTR	45	32	25							LONG GRN			GAPOUT CP7		LAG FZ CP 7									7
8	FZ8 GRN FCTR	16	16	17							NO GREEN			GAPOUT CP8		LAG FZ CP 8									8
9	MULTI CYCLE	0	0	0										GAPOUT CP9		LAG FZ CP 9									9
A	OFFSET A	65	56	39							OFFSET					LAG C COORD									A
B	OFFSET B	65	56	39												LAG D COORD									B
C	OFFSET C	65	56	39												COORD FAZES		2				6			C
D	FZ 3 EXT																								D
E	FZ 7 EXT																								E
F	OFFSET INTRPT																								F
																	1	2	3	4	5	6	7	8	

CO1 MANUAL CP
CO2 MASTER CP
CO3 CURRENT CP
CO4 LAST CP
CO7 TRNSMT CP
COD MANUAL OFFSET
CAO LOCAL CYCLE TIMER
CBO MASTER CYCLE TIMER
CAA LOCAL OFFSET
CBA MASTER OFFSET

SYSTEM MASTER:
RTE 78 WB RAMP

FEATURE	OFF	ON
1		
2		
3		
4		
5		
6		
7		
8		

LOCATION	OFF	ON
1		
2		2
3		
4		
5		
6		
7		
8		

COO = 2

CCB/CDB OFFSET TIMER
CCC/CDC LAG GREEN TIMER
CCD/CDD FORCE OFF TIMER
CCE/CDE LONG GREEN TIMER
CCF/CDF NO GREEN TIMER

Do Not Reproduce

LOCATION: **RTE 78 EB @ GRAND AVENUE - VIA VERA CRUZ**

CALTRANS C8 Version 3 DATE: 7/1/10 PAGE 3

D PAGE

	D	FLAGS								E	FLAGS								F	FLAGS							
	MAX	1	2	3	4	5	6	7	8	MIN	1	2	3	4	5	6	7	8	PED	1	2	3	4	5	6	7	8
0	RCL									RCL									RCL								
1	CP 1					5				CP 1								8	CP 1							7	
2	CP 2					5				CP 2								8	CP 2							7	
3	CP 3					5				CP 3								8	CP 3							7	
4	CP 4									CP 4									CP 4								
5	CP 5									CP 5									CP 5								
6	CP 6									CP 6									CP 6								
7	CP 7									CP 7									CP 7								
8	CP 8									CP 8									CP 8								
9	CP 9									CP 9									CP 9								
A																			RCL 1								
B																			RCL 2								
C																											
D																											
E																											
F																											
		1	2	3	4	5	6	7	8		1	2	3	4	5	6	7	8		1	2	3	4	5	6	7	8

E PAGE

	E	FLAGS								F	FLAGS								
	FUNCTION	1	2	3	4	5	6	7	8	FUNCTION	1	2	3	4	5	6	7	8	
0										CODE 4									0
1										CODE 5									1
2										C-RECALL									2
3										D-RECALL									3
4										EXCLUSIVE									4
5										2 PED		2							5
6										6 PED						6			6
7										4 PED							7		7
8										8 PED								8	8
9																			9
A	OLA NOT									OLA ON									A
B	OLB NOT									OLB ON									B
C	OLC NOT									OLC ON									C
D	OLD NOT									OLD ON									D
E																			E
F																			F
		1	2	3	4	5	6	7	8		1	2	3	4	5	6	7	8	

LAST POWER FAILURE REGISTER

HOUR = D-A-E

MINUTE = D-B-E

DAY = D-C-E

RCL 1 = TIME OF DAY MAX RECALL (1ST SELECT) PHASES
(CALL ACTIVE LIGHTS)

RCL 2 = TIME OF DAY MAX RECALL (2ND SELECT) PHASES
(CALL ACTIVE LIGHTS)

LAST FLASH TIME REGISTER

HOUR = D-A-F

MINUTE = D-B-F

DAY = D-C-F

D-E-E = C8 VERSION NUMBER

D-E-F = LITHIUM BATTERY CONDITION

84 = BAD

85 = GOOD

Do Not Reproduce

7 PAGE

TIME OF DAY ACTIVITY TABLE											
7+EVENT+HR+MIN+ACT+"E"+ON/OFF+DOW LTS											
	HR	MIN	ACT	ON/ OFF	S 1	M 2	T 3	W 4	T 5	F 6	S 7
0	06	30	2	ON	1	2	3	4	5	6	7
1	20	00	2		1	2	3	4	5	6	7
2											
3											
4											
5											
6											
7											
8											
9											
A											
B											
C											
D	06	30	E			2	3	4	5	6	
E	09	00	E		1						7
F	20	00	E	ON	1	2	3	4	5	6	7

ACTIVITY CODE

1 TYPE OF MAX TERMINATION
2 MAX 2
3 MAX 3
4 COND SERV (1ST SELECT)
5 COND SERV (2ND SELECT)
6 ENERGIZE AUX OUTPUT-RED
7 ENERGIZE AUX OUTPUT-GREEN

9 PAGE C09 = 0 or 1

CONTROL PLAN TIME OF DAY											
9+EVENT+HR+MIN+CP+OS+E+DOW											
	HR	MIN	CP	OS	S 1	M 2	T 3	W 4	T 5	F 6	S 7
0	06	30	1	A		2	3	4	5	6	
1	09	00	2	A	1						7
2	09	30	2	A		2	3	4	5	6	
3	14	30	3	A		2	3	4	5	6	
4	20	00	E		1	2	3	4	5	6	7
5											
6											
7											
8											
9											
A											
B											
C											
D											
E											
F											

8 ENERGIZE AUX OUTPUT-YELLOW
9 TIME OF DAY MAX RECALL (1ST SELECT)
A TRAFFIC ACT. MAX 2 OPERATION
B TIME OF DAY MAX RECALL (2ND SELECT)
C YELLOW YIELD COORDINATION
D YELLOW YIELD COORDINATION
E TIME OF DAY FREE OPERATION
F FLASHING OPERATION

9 PAGE C09 = 2

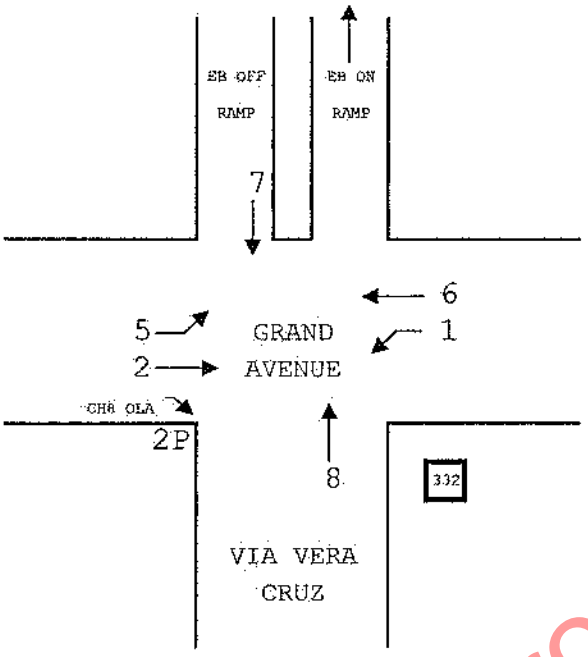
CONTROL PLAN TIME OF DAY											
9+EVENT+HR+MIN+CP+OS+E+DOW											
	HR	MIN	CP	OS	S 1	M 2	T 3	W 4	T 5	F 6	S 7
0											
1											
2											
3											
4											
5											
6											
7											
8											
9											
A											
B											
C											
D											
E											
F											

Do Not Reproduce

DATE: 5/30/06

LOCATION: RTE 78 EB @ GRAND AVENUE - VIA VERA CRUZ

CONFLICT MONITOR PROGRAM



Do Not Reproduce

INTELIGHT

City of San Marcos

Via Vera Cruz @ Linda Vista

Phase Timing and Options

Unit Information

Controller Number	89
Software	Intelight MAXTIME 2.X
Main Street	Via Vera Cruz
Side Street	Linda Vista
IP Address	

Unit Parameters

Extended Mode	Disable
Startup Flash	0
Auto Ped Clear	Enable
Red Revert	6.0
Backup Time	600
Startup All Red	6
Man. Control Seq.	1
MCE Enable	Enable
Start Yel. Override	0.0
Start Red Override	0.0
Free Sequence	1
All Red Flash Exit	6
Local CVM Fash	Disable
All Red Flash Sns	Disable
All Dark Flash Sns	Disable

Phase Timing

Phase	1	2	3	4	5	6	7	8
Description	SB Left	NB	WB Left	EB	NB Left	SB	EB Left	WB
Walk		5		5		5		5
Ped Clear		18		23		18		23
Steady Don't Walk								
Min Green	6	7	6	7	5	7	6	7
Min Green 2								
Passage	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
Passage 2								
Max Green 1	25	40	25	30	25	40	25	30
Max Green 2								
Yellow Change	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5
Red Clear	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
Added Initial								
Maximum Initial								
Time B4 Reduction								
Cars B4 Reduction								
Time To Reduce								
Reduce By								
Minimum Gap								
Advance Walk								
Delayed Ped								

Phase Options

Phase	1	2	3	4	5	6	7	8
Enable	X	X	X	X	X	X	X	X
Auto Flash Entry	.	.	.	X	.	.	.	X
Auto Flash Exit	.	X	.	.	.	X	.	.
Non Lock Detector	X	X	X	X	X	X	X	X
Min Vehicle Recall	.	X	.	.	.	X	.	.
Max Vehicle Recall	.	.	.	.	.	.	.	.
Ped Recall	.	.	.	.	.	.	.	.
Soft Vehicle Recall	.	.	.	.	.	.	.	.
Dual Entry	.	.	.	X	.	.	.	X
Sim. Gap Disable	.	.	.	.	.	.	.	.
Actuated Rest in Walk	.	.	.	.	.	.	.	.
Conditional Svc Enable	.	.	.	.	.	.	.	.
Add Initial Calculation	.	.	.	.	.	.	.	.
Ped Clear During Yellow	.	.	.	.	.	.	.	.
Ped Clear During Red Clr	.	.	.	.	.	.	.	.
Yellow Min Override	.	.	.	.	.	.	.	.
No Startup Call	.	.	.	.	.	.	.	.
No Ped Startup Call	.	.	.	.	.	.	.	.
Min Green 2	.	.	.	.	.	.	.	.
Max Green 2	.	.	.	.	.	.	.	.
Red Rest	.	.	.	.	.	.	.	.
Ped Recycle	.	X	.	X	.	X	.	X

Phase Configuration

Phase	Startup	Description
1	Phase Not On	SB Left
2	Green No Walk	NB
3	Phase Not On	WB Left
4	Phase Not On	EB
5	Phase Not On	NB Left
6	Green No Walk	SB
7	Phase Not On	EB Left
8	Phase Not On	WB

Global Phase Recalls

Phase	1	2	3	4	5	6	7	8
Min	.	.	.	.	.	.	.	.
Max	.	.	.	.	.	.	.	.
Ped	.	.	.	.	.	.	.	.

Notes

SAN MARCOS
DISCOVER LIFE'S POSSIBILITIES

Printed on: 3/25/2021

Sequences

Sequence 1

Ring	Sequence
1	1,2,a,3,4,b
2	5,6,a,7,8,b
3	
4	

Sequence 2

Ring	Sequence
1	2,1,a,3,4,b
2	5,6,a,7,8,b
3	
4	

Sequence 3

Ring	Sequence
1	1,2,a,4,3,b
2	5,6,a,7,8,b
3	
4	

Sequence 4

Ring	Sequence
1	2,1,a,4,3,b
2	5,6,a,7,8,b
3	
4	

Sequence 5

Ring	Sequence
1	1,2,a,3,4,b
2	5,6,a,7,8,b
3	
4	

Sequence 6

Ring	Sequence
1	1,2,a,3,4,b
2	5,6,a,7,8,b
3	
4	

Sequence 7

Ring	Sequence
1	1,2,a,4,3,b
2	6,5,a,7,8,b
3	
4	

Sequence 8

Ring	Sequence
1	2,1,a,4,3,b
2	6,5,a,7,8,b
3	
4	

Sequence 9

Ring	Sequence
1	1,2,a,3,4,b
2	5,6,a,8,7,b
3	
4	

Sequence 10

Ring	Sequence
1	2,1,a,3,4,b
2	5,6,a,8,7,b
3	
4	

Sequence 11

Ring	Sequence
1	1,2,a,4,3,b
2	5,6,a,8,7,b
3	
4	

Sequence 12

Ring	Sequence
1	2,1,a,4,3,b
2	5,6,a,8,7,b
3	
4	

Sequence 13

Ring	Sequence
1	1,2,a,3,4,b
2	6,5,a,8,7,b
3	
4	

Sequence 14

Ring	Sequence
1	2,1,a,3,4,b
2	6,5,a,8,7,b
3	
4	

Sequence 15

Ring	Sequence
1	1,2,a,4,3,b
2	6,5,a,8,7,b
3	
4	

Sequence 16

Ring	Sequence
1	2,1,a,4,3,b
2	6,5,a,8,7,b
3	
4	

Overlaps

Standard Overlaps

Overlap	1	2	3	4	5	6
Enabled	Disabled	Disabled	Disabled	Disabled	Disabled	Disabled
Description						
Type	Off	Off	Off	Off	Off	Off
Included Phs						
Modifier Phs						
Negative Phs						
Negative Ovlp						
Negative Ped						
Green Suppr						
Trail Green						
Trail Yellow						
Trail Red						
Walk						
Ped Clear						
Delay						
Startup Call	.	.	.	.	.	.
Recall	.	.	.	.	.	.
Call for Svc	.	.	.	.	.	.

Backup Prevention / No Serve Phases

Sequence 1

Backup Protection Plan

Serve Phase	Backup phase 1	2	3	4	5	6	7	8
1	.	.	.	.	.	.	.	.
2	.	.	.	.	.	.	.	.
3	.	.	.	.	.	.	.	.
4	.	.	.	.	.	.	.	.
5	.	.	.	.	.	.	.	.
6	.	.	.	.	.	.	.	.
7	.	.	.	.	.	.	.	.
8	.	.	.	.	.	.	.	.
Thru Red	No							

Call Phs

Ph	Call Ph
1	
2	
3	
4	
5	
6	
7	
8	

No Serve

Ph	No Srv
1	
2	
3	
4	
5	
6	
7	
8	

Sequence 2

Backup Protection Plan

Serve Phase	Backup phase 1	2	3	4	5	6	7	8
1	.	.	.	.	.	.	.	.
2	.	.	.	.	.	.	.	.
3	.	.	.	.	.	.	.	.
4	.	.	.	.	.	.	.	.
5	.	.	.	.	.	.	.	.
6	.	.	.	.	.	.	.	.
7	.	.	.	.	.	.	.	.
8	.	.	.	.	.	.	.	.
Thru Red	No							

Call Phs

Ph	Call Ph
1	
2	
3	
4	
5	
6	
7	
8	

No Serve

Ph	No Srv
1	
2	
3	
4	
5	
6	
7	
8	

Sequence 3

Backup Protection Plan

Serve Phase	Backup phase 1	2	3	4	5	6	7	8
1	.	.	.	.	.	.	.	.
2	.	.	.	.	.	.	.	.
3	.	.	.	.	.	.	.	.
4	.	.	.	.	.	.	.	.
5	.	.	.	.	.	.	.	.
6	.	.	.	.	.	.	.	.
7	.	.	.	.	.	.	.	.
8	.	.	.	.	.	.	.	.
Thru Red	No							

Call Phs

Ph	Call Ph
1	
2	
3	
4	
5	
6	
7	
8	

No Serve

Ph	No Srv
1	
2	
3	
4	
5	
6	
7	
8	

Sequence 4

Backup Protection Plan

Serve Phase	Backup phase 1	2	3	4	5	6	7	8
1	.	.	.	.	.	.	.	.
2	.	.	.	.	.	.	.	.
3	.	.	.	.	.	.	.	.
4	.	.	.	.	.	.	.	.
5	.	.	.	.	.	.	.	.
6	.	.	.	.	.	.	.	.
7	.	.	.	.	.	.	.	.
8	.	.	.	.	.	.	.	.
Thru Red	No							

Call Phs

Ph	Call Ph
1	
2	
3	
4	
5	
6	
7	
8	

No Serve

Ph	No Srv
1	
2	
3	
4	
5	
6	
7	
8	

Sequence 5

Backup Protection Plan

Serve Phase	Backup phase 1	2	3	4	5	6	7	8
1	.	.	.	.	.	.	.	.
2	.	.	.	.	.	.	.	.
3	.	.	.	.	.	.	.	.
4	.	.	.	.	.	.	.	.
5	.	.	.	.	.	.	.	.
6	.	.	.	.	.	.	.	.
7	.	.	.	.	.	.	.	.
8	.	.	.	.	.	.	.	.
Thru Red	No							

Call Phs

Ph	Call Ph
1	
2	
3	
4	
5	
6	
7	
8	

No Serve

Ph	No Srv
1	
2	
3	
4	
5	
6	
7	
8	

Sequence 6

Backup Protection Plan

Serve Phase	Backup phase 1	2	3	4	5	6	7	8
1	.	.	.	.	.	.	.	.
2	.	.	.	.	.	.	.	.
3	.	.	.	.	.	.	.	.
4	.	.	.	.	.	.	.	.
5	.	.	.	.	.	.	.	.
6	.	.	.	.	.	.	.	.
7	.	.	.	.	.	.	.	.
8	.	.	.	.	.	.	.	.
Thru Red	No							

Call Phs

Ph	Call Ph
1	
2	
3	
4	
5	
6	
7	
8	

No Serve

Ph	No Srv
1	
2	
3	
4	
5	
6	
7	
8	

Sequence 7

Backup Protection Plan

Serve Phase	Backup phase 1	2	3	4	5	6	7	8
1	.	.	.	.	.	.	.	.
2	.	.	.	.	.	.	.	.
3	.	.	.	.	.	.	.	.
4	.	.	.	.	.	.	.	.
5	.	.	.	.	.	.	.	.
6	.	.	.	.	.	.	.	.
7	.	.	.	.	.	.	.	.
8	.	.	.	.	.	.	.	.
Thru Red	No							

Call Phs

Ph	Call Ph
1	
2	
3	
4	
5	
6	
7	
8	

No Serve

Ph	No Srv
1	
2	
3	
4	
5	
6	
7	
8	

Sequence 8

Backup Protection Plan

Serve Phase	Backup phase 1	2	3	4	5	6	7	8
1	.	.	.	.	.	.	.	.
2	.	.	.	.	.	.	.	.
3	.	.	.	.	.	.	.	.
4	.	.	.	.	.	.	.	.
5	.	.	.	.	.	.	.	.
6	.	.	.	.	.	.	.	.
7	.	.	.	.	.	.	.	.
8	.	.	.	.	.	.	.	.
Thru Red	No							

Call Phs

Ph	Call Ph
1	
2	
3	
4	
5	
6	
7	
8	

No Serve

Ph	No Srv
1	
2	
3	
4	
5	
6	
7	
8	

Sequence 9

Backup Protection Plan

Serve Phase	Backup phase 1	2	3	4	5	6	7	8
1	.	.	.	.	.	.	.	.
2	.	.	.	.	.	.	.	.
3	.	.	.	.	.	.	.	.
4	.	.	.	.	.	.	.	.
5	.	.	.	.	.	.	.	.
6	.	.	.	.	.	.	.	.
7	.	.	.	.	.	.	.	.
8	.	.	.	.	.	.	.	.
Thru Red	No							

Call Phs

Ph	Call Ph
1	
2	
3	
4	
5	
6	
7	
8	

No Serve

Ph	No Srv
1	
2	
3	
4	
5	
6	
7	
8	

Detector Configuration

Vehicle Detectors

Detector	Slot	C1 Pin Number	Call Phas	Call O/L	Addtnl Call PH	Switch Phase	Delay	Extend	Queue Limit	No Activity	Max Pres.	Erratic Count	Fail Time	Failed Recall	Description
1	I-1	C1-56	1											None	
2	I-2U	C1-39	2											None	
3	I-2L	C1-43	2											None	
4	I-3U	C1-63	2											None	
5	I-3L	C1-76	2											None	
6	I-4	C1-47	2											None	
7	I-5	C1-58	3											None	
8	I-6U	C1-41	4											None	
9	I-6L	C1-45	4											None	
10	I-7U	C1-65	4											None	
11	I-7L	C1-78	4											None	
12	I-8	C1-49	4											None	
13	I-9U	C1-60	1											None	
14	I-9L	C1-62	3											None	
15	J-1	C1-55	5											None	
16	J-2U	C1-40	6											None	
17	J-2L	C1-44	6											None	
18	J-3U	C1-64	6											None	
19	J-3L	C1-77	6											None	
20	J-4	C1-48	6											None	
21	J-5	C1-57	7											None	
22	J-6U	C1-42	8											None	
23	J-6L	C1-46	8											None	
24	J-7U	C1-66	8											None	
25	J-7L	C1-79	8											None	
26	J-8	C1-50	8											None	
27	J-9U	C1-59	5											None	
28	J-9L	C1-61	7											None	

Pedestrian Detectors

Detector	Slot	C1 Pin Number	Call PH	Call O/L	Addtnl Call PH	No Act	Max Pres	Erratic Count
1	-------	-------						
2	I-12U	C1-67	2					
3	-------	-------						
4	I-12L	C1-69	4					
5	-------	-------						
6	I-13U	C1-68	6					
7	-------	-------						
8	I-13L	C1-70	8					

Global Vehicle Detector Parameters

Global No Activity	
Global Max Presence	20
Global Erratic Count	
Global Failed Recall	Max Recall
Detector Reset Enable	Enabled

Global Ped Detector Parameters

Global No Activity	
Global Max Pres.	5
Global Erratic Ct	

Vehicle Detection Options

Detector	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
Volume	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Occupancy	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Yellow Lock Call	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Red Lock Call	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Extend	X	X	X	X	X	**X**	X	X	X	X	X	**X**	X	X	X	X	X	X	X	**X**	X	X	X	X	X	**X**	X	X
Added Initial	X	X	X	X	X	.	X	X	X	X	X	.	X	X	X	X	X	X	X	.	X	X	X	X	X	.	X	X
Queue	.	.	.	.	.	**.**	.	.	.	.	.	**.**	.	.	.	.	.	.	.	**.**	.	.	.	.	.	**.**	.	.
Call	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Min Green 2	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Passage 2	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.

Coordination Configuration

Coordination Parameters

Operational Mode	Manual Free
Coord Mode	Full Permissive
Maximum Mode	Per Pattern
Force Mode	Per Pattern
Correction Mode	Shortway (Auto)
Max Cyc Limit %	25
Min Cyc Limit %	25
Max Dwell	0
Trans. Cover Ped	Pattern

Patterns

Patt.	Cycle	Offset 1	Split	Seq	Reference	Coord Mode	FO Mode	Max Mode	Phs Pln	Det Pln	Ped Pln	OL Pln	Description
1					Yellow	Auto Permissive	Fixed	Max Inhibit	1	1	1	1	
2					Yellow	Auto Permissive	Fixed	Max Inhibit	1	1	1	1	
3					Yellow	Auto Permissive	Fixed	Max Inhibit	1	1	1	1	
4					Yellow	Auto Permissive	Fixed	Max Inhibit	1	1	1	1	
5					Yellow	Auto Permissive	Fixed	Max Inhibit	1	1	1	1	
6					Yellow	Auto Permissive	Fixed	Max Inhibit	1	1	1	1	
7					Yellow	Auto Permissive	Fixed	Max Inhibit	1	1	1	1	
8					Yellow	Auto Permissive	Fixed	Max Inhibit	1	1	1	1	
9					Yellow	Auto Permissive	Fixed	Max Inhibit	1	1	1	1	

Split Parameters

Split 1

PH.	Time	Min	Max	Coord Phase	Ref Phase	FO Mode	Mode
1				.	.	Fixed	None
2				.	.	Fixed	None
3				.	.	Fixed	None
4				.	.	Fixed	None
5				.	.	Fixed	None
6				.	.	Fixed	None
7				.	.	Fixed	None
8				.	.	Fixed	None

Split 2

PH.	Time	Min	Max	Coord Phase	Ref Phase	FO Mode	Mode
1				.	.	Fixed	None
2				.	.	Fixed	None
3				.	.	Fixed	None
4				.	.	Fixed	None
5				.	.	Fixed	None
6				.	.	Fixed	None
7				.	.	Fixed	None
8				.	.	Fixed	None

Split 3

PH.	Time	Min	Max	Coord Phase	Ref Phase	FO Mode	Mode
1				.	.	Fixed	None
2				.	.	Fixed	None
3				.	.	Fixed	None
4				.	.	Fixed	None
5				.	.	Fixed	None
6				.	.	Fixed	None
7				.	.	Fixed	None
8				.	.	Fixed	None

Split 4

PH.	Time	Min	Max	Coord Phase	Ref Phase	FO Mode	Mode
1				.	.	Fixed	None
2				.	.	Fixed	None
3				.	.	Fixed	None
4				.	.	Fixed	None
5				.	.	Fixed	None
6				.	.	Fixed	None
7				.	.	Fixed	None
8				.	.	Fixed	None

Split 5

PH.	Time	Min	Max	Coord Phase	Ref Phase	FO Mode	Mode
1				.	.	Fixed	None
2				.	.	Fixed	None
3				.	.	Fixed	None
4				.	.	Fixed	None
5				.	.	Fixed	None
6				.	.	Fixed	None
7				.	.	Fixed	None
8				.	.	Fixed	None

Split 6

PH.	Time	Min	Max	Coord Phase	Ref Phase	FO Mode	Mode
1				.	.	Fixed	None
2				.	.	Fixed	None
3				.	.	Fixed	None
4				.	.	Fixed	None
5				.	.	Fixed	None
6				.	.	Fixed	None
7				.	.	Fixed	None
8				.	.	Fixed	None

Split 7

PH.	Time	Min	Max	Coord Phase	Ref Phase	FO Mode	Mode
1				.	.	Fixed	None
2				.	.	Fixed	None
3				.	.	Fixed	None
4				.	.	Fixed	None
5				.	.	Fixed	None
6				.	.	Fixed	None
7				.	.	Fixed	None
8				.	.	Fixed	None

Split 8

PH.	Time	Min	Max	Coord Phase	Ref Phase	FO Mode	Mode
1				.	.	Fixed	None
2				.	.	Fixed	None
3				.	.	Fixed	None
4				.	.	Fixed	None
5				.	.	Fixed	None
6				.	.	Fixed	None
7				.	.	Fixed	None
8				.	.	Fixed	None

Split 9

PH.	Time	Min	Max	Coord Phase	Ref Phase	FO Mode	Mode
1				.	.	Fixed	None
2				.	.	Fixed	None
3				.	.	Fixed	None
4				.	.	Fixed	None
5				.	.	Fixed	None
6				.	.	Fixed	None
7				.	.	Fixed	None
8				.	.	Fixed	None

Advanced Coord Options

Pattern	1	2	3	4	5	6	7	8	9
Ring Plan									
Allow Split Underrun	.	.	.	.	.	.	.	.	.
Allow Split Overrun	.	.	.	.	.	.	.	.	.
Allow No Coord Phase	.	.	.	.	.	.	.	.	.
Coord Now	.	.	.	.	.	.	.	.	.

Ring Plans

Ring Plan 1

Ring	Offset	Early Gap
1		
2		
3		
4		

Ring Plan 2

Ring	Offset	Early Gap
1		
2		
3		
4		

Ring Plan 3

Ring	Offset	Early Gap
1		
2		
3		
4		

Ring Plan 4

Ring	Offset	Early Gap
1		
2		
3		
4		

Ring Plan 5

Ring	Offset	Early Gap
1		
2		
3		
4		

Ring Plan 6

Ring	Offset	Early Gap
1		
2		
3		
4		

Ring Plan 7

Ring	Offset	Early Gap
1		
2		
3		
4		

Ring Plan 8

Ring	Offset	Early Gap
1		
2		
3		
4		

Ring Plan 9

Ring	Offset	Early Gap
1		
2		
3		
4		

Scheduler Configuration

Schedule 1

Status	Enabled

Month of Year											
J	F	M	A	M	J	J	A	S	O	N	D
X	X	X	X	X	X	X	X	X	X	X	X

Description	Weekday

Days of Week							
S	M	T	W	T	F	S
.	X	X	X	X	X	.

Day Plan	1

Days of Month																															
									1										2										3		
1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1
X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X

Schedule 2

Status	Enabled

Month of Year											
J	F	M	A	M	J	J	A	S	O	N	D
X	X	X	X	X	X	X	X	X	X	X	X

Description	Weekend

Days of Week							
S	M	T	W	T	F	S
X	.	.	.	.	.	X

Day Plan	2

Days of Month																															
									1										2										3		
1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1
X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X

Schedule 3

Status	Disabled

Month of Year											
J	F	M	A	M	J	J	A	S	O	N	D
.	.	.	.	.	.	.	.	.	.	.	.

Description	

Days of Week							
S	M	T	W	T	F	S
.	.	.	.	.	.	.

Day Plan	0

Days of Month																															
									1										2										3		
1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1
.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.

Day Plans

Day Plan 1

Event	HR	MIN	ACT	Description
1				
2				
3				
4				
5				
6				
7				
8				
9				
10				

Day Plan 2

Event	HR	MIN	ACT	Description
1				
2				
3				
4				
5				
6				
7				
8				
9				
10				

Day Plan 3

Event	HR	MIN	ACT	Description
1				
2				
3				
4				
5				
6				
7				
8				
9				
10				

Action Commands

Action	Command	Index
1	None	
2	None	
3	None	
4	None	
5	None	

Action	Command	Index
6	None	
7	None	
8	None	
9	None	
10	None	

Action	Command	Index
11	None	
12	None	
13	None	
14	None	
15	None	

Action	Command	Index
16	None	
17	None	
18	None	
19	None	
20	None	

Actions

		Aux			Special Functions						
Action	Pattern	1	2	3	1	2	3	4	5	6	7	8
1	Pattern 1	.	.	.	.	.	.	.	.	.	.	.
2	Pattern 2	.	.	.	.	.	.	.	.	.	.	.
3	Pattern 3	.	.	.	.	.	.	.	.	.	.	.
4	Pattern 4	.	.	.	.	.	.	.	.	.	.	.
5	Pattern 5	.	.	.	.	.	.	.	.	.	.	.
6	Pattern 6	.	.	.	.	.	.	.	.	.	.	.
7	Pattern 7	.	.	.	.	.	.	.	.	.	.	.
8	Pattern 8	.	.	.	.	.	.	.	.	.	.	.
9	Pattern 9	.	.	.	.	.	.	.	.	.	.	.
10	Pattern 10	.	.	.	.	.	.	.	.	.	.	.
11	None	.	.	.	.	.	.	.	.	.	.	.
12	None	.	.	.	.	.	.	.	.	.	.	.
13	None	.	.	.	.	.	.	.	.	.	.	.
14	None	.	.	.	.	.	.	.	.	.	.	.
15	None	.	.	.	.	.	.	.	.	.	.	.
16	None	.	.	.	.	.	.	.	.	.	.	.
17	None	.	.	.	.	.	.	.	.	.	.	.
18	None	.	.	.	.	.	.	.	.	.	.	.
19	None	.	.	.	.	.	.	.	.	.	.	.
20	None	.	.	.	.	.	.	.	.	.	.	.
64	Free	.	.	.	.	.	.	.	.	.	.	.

Preempt Configuration

Preemption Configuration

Preempt	1	2	3	4	5	6
Enabled	Enabled	Disabled	Enabled	Enabled	Enabled	Enabled
Type	Rail Road	Rail Road	Emergency Veh	Emergency Veh	Emergency Veh	Emergency Veh
Description	BBS Flash					
Track Phase						
Track 2 Phases						
Track Overlap						
Track 2 Overlap						
Dwell Phase			2,5	4,7	1,6	3,8
Dwell Ped						
Dwell Overlap						
Cycling Phase						
Cycling Ped						
Cycling Overlap						
Exit Phase			2,6	4,8	2,6	4,8
Exit Overlaps						
Recovery Exit Omit						

Preemption Options

Preempt	1	2	3	4	5	6
Non Lock Mem	.	.	.	.	.	.
Not Overide Flash	.	.	.	.	.	.
Not Overide Next Preempt	.	.	.	.	.	.
Flash Dwell	.	.	.	.	.	.
Ped Recycle in Dwell Cycle	.	.	.	.	.	.
Immediate Ped Clear	.	.	.	.	.	.
Dwell Only Status Output	.	.	.	.	.	.
All Red Flash Dwell	X	.	.	.	.	.
Allow All Overlaps	.	.	.	.	.	.
Require All Red Entry	.	.	.	.	.	.
Require Gate Down Track Exit	.	.	.	.	.	.
Require Gate Up Dwell Exit	.	.	.	.	.	.
Use Normal On/Normal Off Input	.	.	.	.	.	.

Preemption Parameters

Preempt	1	2	3	4	5	6
Link						
Delay						
Min Duration						
Min Presence						
Max Presence			255	255	255	255
Max Presence Action	Terminate	Terminate	Terminate	Terminate	Terminate	Terminate
Enter Min Green						
Enter Yellow Change	25.5	25.5	25.5	25.5	25.5	25.5
Enter Red Clear	25.5	25.5	25.5	25.5	25.5	25.5
Enter Min Walk						
Enter Ped Clear			255	255	255	255
Track Green						
Track Yellow Change	25.5	25.5	25.5	25.5	25.5	25.5
Track Red Clear	25.5	25.5	25.5	25.5	25.5	25.5
Track 2 Green						
Track 2 Yellow	25.5	25.5	25.5	25.5	25.5	25.5
Track 2 Red	25.5	25.5	25.5	25.5	25.5	25.5
Track Ext. Gate Down						

Preempt Parameters

Preempt	1	2	3	4	5	6
Dwell Green			1	1	1	1
Exit Ped Clear	255	255	255	255	255	255
Exit Yellow Change	25.5	25.5	25.5	25.5	25.5	25.5
Exit Red Clear	25.5	25.5	25.5	25.5	25.5	25.5
Dwell Ext Time			1	1	1	1
Max Exit Green						
Exit Type	Exit Phases	Exit Phases	Exit Phases	Exit Phases	Exit Phases	Exit Phases
Exit Max Mode	Disabled	Disabled	Disabled	Disabled	Disabled	Disabled
Exit Max Apply Time						
Veh Exit Calls						
Ped Exit Calls						

Advanced I/O Configuration

Channel Configuration

Ch	Control Type	Source
1	Phase Vehicle	1
2	Phase Vehicle	2
3	Phase Vehicle	3
4	Phase Vehicle	4
5	Phase Vehicle	5
6	Phase Vehicle	6
7	Phase Vehicle	7
8	Phase Vehicle	8

Ch	Control Type	Source
9	None	
10	None	
11	None	
12	None	
13	Phase Ped	2
14	Phase Ped	4
15	Phase Ped	6
16	Phase Ped	8

Concurrency Mode

Concurrency Mode
Auto

Auto Concurrency

Ch	Concurrency
1	5,6,15
2	5,6,13,15
3	7,8,16
4	7,8,14,16
5	13
6	13,15
7	14
8	14,16
9	
10	
11	
12	
13	15
14	16
15	
16	

Channel Options

Channel	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Flash Yellow	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Flash Red	X	X	X	X	X	X	X	X	.	.	.	.	.	.	.	.
Flash Alternate Half Hertz	X	.	.	X	X	.	.	X	.	.	.	.	.	.	.	.

Cabinet Configuration

IO Modules

IO Module	Type
1	Caltrans 332

Input Points

Input	C1 Pin	Input Type	Idx
1	C1-39	Vehicle Det Call	2
2	C1-40	Vehicle Det Call	16
3	C1-41	Vehicle Det Call	8
4	C1-42	Vehicle Det Call	22
5	C1-43	Vehicle Det Call	3
6	C1-44	Vehicle Det Call	17
7	C1-45	Vehicle Det Call	9
8	C1-46	Vehicle Det Call	23
9	C1-47	Vehicle Det Call	6
10	C1-48	Vehicle Det Call	20
11	C1-49	Vehicle Det Call	12
12	C1-50	Vehicle Det Call	26
13	C1-51	Preempt Input	1
14	C1-52	Preempt Input	2
15	C1-53	Unit Manual Control Enable	1
16	C1-54	Not Active	

Input	C1 Pin	Input Type	Idx
17	C1-55	Vehicle Det Call	15
18	C1-56	Vehicle Det Call	1
19	C1-57	Vehicle Det Call	21
20	C1-58	Vehicle Det Call	7
21	C1-59	Vehicle Det Call	27
22	C1-60	Vehicle Det Call	13
23	C1-61	Vehicle Det Call	28
24	C1-62	Vehicle Det Call	14
25	C11-10	Not Active	
26	C11-11	Not Active	
27	C11-12	Not Active	
28	C11-13	Not Active	
29	C1-63	Vehicle Det Call	4
30	C1-64	Vehicle Det Call	18
31	C1-65	Vehicle Det Call	10
32	C1-66	Vehicle Det Call	24

Input	C1 Pin	Input Type	Idx
33	C1-67	Ped Det Call	2
34	C1-68	Ped Det Call	6
35	C1-69	Ped Det Call	4
36	C1-70	Ped Det Call	8
37	C1-71	Preempt Input	3
38	C1-72	Preempt Input	4
39	C1-73	Preempt Input	5
40	C1-74	Preempt Input	6
41	C1-75	Not Active	
42	C1-76	Vehicle Det Call	5
43	C1-77	Vehicle Det Call	19
44	C1-78	Vehicle Det Call	11
45	C1-79	Vehicle Det Call	25
46	C1-80	Unit Interval Advance	1
47	C1-81	Unit Local Flash Sense	1
48	C1-82	Unit Stop Time	1

Input	C1 Pin	Input Type	Idx
49	C11-15	Not Active	
50	C11-16	Not Active	
51	C11-17	Not Active	
52	C11-18	Not Active	
53	C11-19	Not Active	
54	C11-20	Not Active	
55	C11-21	Not Active	
56	C11-22	Not Active	
57	C11-23	Not Active	
58	C11-24	Not Active	
59	C11-25	Not Active	
60	C11-26	Not Active	
61	C11-27	Not Active	
62	C11-28	Not Active	
63	C11-29	Not Active	
64	C11-30	Not Active	

Cabinet Configuration

Output Points

Output	C1 Pin	Output Type	Idx
1	C1-2	Channel Red Do Not Walk Driver	14
2	C1-3	Channel Green Walk Driver	14
3	C1-4	Channel Red Do Not Walk Driver	4
4	C1-5	Channel Yellow Ped Clear Driver	4
5	C1-6	Channel Green Walk Driver	4
6	C1-7	Channel Red Do Not Walk Driver	3
7	C1-8	Channel Yellow Ped Clear Driver	3
8	C1-9	Channel Green Walk Driver	3
9	C1-10	Channel Red Do Not Walk Driver	13
10	C1-11	Channel Green Walk Driver	13
11	C1-12	Channel Red Do Not Walk Driver	2
12	C1-13	Channel Yellow Ped Clear Driver	2
13	C1-15	Channel Green Walk Driver	2
14	C1-16	Channel Red Do Not Walk Driver	1
15	C1-17	Channel Yellow Ped Clear Driver	1
16	C1-18	Channel Green Walk Driver	1
17	C1-19	Channel Red Do Not Walk Driver	16
18	C1-20	Channel Green Walk Driver	16
19	C1-21	Channel Red Do Not Walk Driver	8
20	C1-22	Channel Yellow Ped Clear Driver	8
21	C1-23	Channel Green Walk Driver	8
22	C1-24	Channel Red Do Not Walk Driver	7
23	C1-25	Channel Yellow Ped Clear Driver	7
24	C1-26	Channel Green Walk Driver	7
25	C1-27	Channel Red Do Not Walk Driver	15
26	C1-28	Channel Green Walk Driver	15
27	C1-29	Channel Red Do Not Walk Driver	6
28	C1-30	Channel Yellow Ped Clear Driver	6
29	C1-31	Channel Green Walk Driver	6
30	C1-32	Channel Red Do Not Walk Driver	5
31	C1-33	Channel Yellow Ped Clear Driver	5
32	C1-34	Channel Green Walk Driver	5

Output	C1 Pin	Output Type	Idx
33	C1-35	Channel Yellow Ped Clear Driver	13
34	C1-36	Channel Yellow Ped Clear Driver	15
35	C1-37	Channel Yellow Ped Clear Driver	14
36	C1-38	Channel Yellow Ped Clear Driver	16
37	C1-100	Channel Yellow Ped Clear Driver	18
38	C1-101	Channel Yellow Ped Clear Driver	11
39	C1-102	Detector Reset	1
40	C1-103	Watchdog	
41	C1-83	Channel Red Do Not Walk Driver	18
42	C1-84	Channel Green Walk Driver	18
43	C1-85	Channel Red Do Not Walk Driver	17
44	C1-86	Channel Yellow Ped Clear Driver	17
45	C1-87	Channel Green Walk Driver	17
46	C1-88	Channel Red Do Not Walk Driver	12
47	C1-89	Channel Yellow Ped Clear Driver	12
48	C1-90	Channel Green Walk Driver	12
49	C1-91	Channel Red Do Not Walk Driver	11
50	C1-93	Channel Green Walk Driver	11
51	C1-94	Channel Red Do Not Walk Driver	10
52	C1-95	Channel Yellow Ped Clear Driver	10
53	C1-96	Channel Green Walk Driver	10
54	C1-97	Channel Red Do Not Walk Driver	9
55	C1-98	Channel Yellow Ped Clear Driver	9
56	C1-99	Channel Green Walk Driver	9
57	C11-1	Not Active	
58	C11-2	Not Active	
59	C11-3	Not Active	
60	C11-4	Not Active	
61	C11-5	Not Active	
62	C11-6	Not Active	
63	C11-7	Not Active	
64	C11-8	Not Active	

User Programs

Program 1

Enabled

Line	Result	Idx	Operation	Parameter A	Idx	Parameter B	Idx	Dly	Ext	Description
1	Unit Stop Time	1	Result=A	Aux Switch State						Aux switch stop time
2										
3										
4										
5										
6										
7										
8										
9										
10										
11										
12										
13										
14										
15										
16										
17										
18										
19										
20										
21										
22										
23										
24										
25										
26										
27										
28										
29										
30										
31										
32										
33										
34										
35										
36										
37										
38										
39										
40										

INTELIGHT

City of San Marcos

Grand @ Bent

Phase Timing and Options

Unit Information

Controller Number	115
Software	Intelight MAXTIME 2.X
Main Street	Grand
Side Street	Bent
IP Address	

Unit Parameters

Extended Mode	Disable
Startup Flash	0
Auto Ped Clear	Enable
Red Revert	6.0
Backup Time	600
Startup All Red	6
Man. Control Seq.	1
MCE Enable	Enable
Start Yel. Override	0.0
Start Red Override	0.0
Free Sequence	1
All Red Flash Exit	6
Local CVM Fash	Disable
All Red Flash Sns	Disable
All Dark Flash Sns	Disable

Phase Timing

Phase	1	2	3	4	5	6	7	8
Description	WB Left	EB				WB		NB
Walk		5						
Ped Clear		18						
Steady Don't Walk								
Min Green	6	15				15		7
Min Green 2								
Passage	3.0	3.0				3.0		3.0
Passage 2								
Max Green 1	5	23				13		25
Max Green 2								
Yellow Change	4.0	4.8				4.8		4.0
Red Clear	1.2	1.0				1.0		1.0
Added Initial								
Maximum Initial								
Time B4 Reduction								
Cars B4 Reduction								
Time To Reduce								
Reduce By								
Minimum Gap								
Advance Walk								
Delayed Ped								

Phase Options

Phase	1	2	3	4	5	6	7	8
Enable	X	X	.	.	.	X	.	X
Auto Flash Entry	.	.	.	.	.	.	.	X
Auto Flash Exit	.	X	.	.	.	X	.	.
Non Lock Detector	X	X	.	.	.	X	.	X
Min Vehicle Recall	.	X	.	.	.	X	.	.
Max Vehicle Recall	.	.	.	.	.	.	.	.
Ped Recall	.	.	.	.	.	.	.	.
Soft Vehicle Recall	.	.	.	.	.	.	.	.
Dual Entry	.	.	.	.	.	.	.	.
Sim. Gap Disable	.	.	.	.	.	.	.	.
Actuated Rest in Walk	.	.	.	.	.	.	.	.
Conditional Svc Enable	.	.	.	.	.	.	.	.
Add Initial Calculation	.	.	.	.	.	.	.	.
Ped Clear During Yellow	.	.	.	.	.	.	.	.
Ped Clear During Red Clr	.	.	.	.	.	.	.	.
Yellow Min Override	.	.	.	.	.	.	.	.
No Startup Call	.	.	.	.	.	.	.	.
No Ped Startup Call	.	.	.	.	.	.	.	.
Min Green 2	.	.	.	.	.	.	.	.
Max Green 2	.	.	.	.	.	.	.	.
Red Rest	.	.	.	.	.	.	.	.
Ped Recycle	.	X	.	.	.	.	.	.

Phase Configuration

Phase	Startup	Description
1	Phase Not On	WB Left
2	Green No Walk	EB
3	None	
4	None	
5	None	
6	Green No Walk	WB
7	None	
8	Phase Not On	NB

Global Phase Recalls

Phase	1	2	3	4	5	6	7	8
Min	.	.	.	.	.	.	.	.
Max	.	.	.	.	.	.	.	.
Ped	.	.	.	.	.	.	.	.

Notes

SAN MARCOS
DISCOVER LIFE'S POSSIBILITIES

Printed on: 3/25/2021

Sequences

Sequence 1

Ring	Sequence
1	1,2,a,b
2	6,a,8,b
3	
4	

Sequence 2

Ring	Sequence
1	2,1,a,3,4,b
2	5,6,a,7,8,b
3	
4	

Sequence 3

Ring	Sequence
1	1,2,a,4,3,b
2	5,6,a,7,8,b
3	
4	

Sequence 4

Ring	Sequence
1	2,1,a,4,3,b
2	5,6,a,7,8,b
3	
4	

Sequence 5

Ring	Sequence
1	1,2,a,b
2	6,a,8,b
3	
4	

Sequence 6

Ring	Sequence
1	1,2,a,b
2	6,a,8,b
3	
4	

Sequence 7

Ring	Sequence
1	1,2,a,4,3,b
2	6,5,a,7,8,b
3	
4	

Sequence 8

Ring	Sequence
1	2,1,a,4,3,b
2	6,5,a,7,8,b
3	
4	

Sequence 9

Ring	Sequence
1	1,2,a,3,4,b
2	5,6,a,8,7,b
3	
4	

Sequence 10

Ring	Sequence
1	2,1,a,3,4,b
2	5,6,a,8,7,b
3	
4	

Sequence 11

Ring	Sequence
1	1,2,a,4,3,b
2	5,6,a,8,7,b
3	
4	

Sequence 12

Ring	Sequence
1	2,1,a,4,3,b
2	5,6,a,8,7,b
3	
4	

Sequence 13

Ring	Sequence
1	1,2,a,3,4,b
2	6,5,a,8,7,b
3	
4	

Sequence 14

Ring	Sequence
1	2,1,a,3,4,b
2	6,5,a,8,7,b
3	
4	

Sequence 15

Ring	Sequence
1	1,2,a,4,3,b
2	6,5,a,8,7,b
3	
4	

Sequence 16

Ring	Sequence
1	2,1,a,4,3,b
2	6,5,a,8,7,b
3	
4	

Overlaps

Standard Overlaps

Overlap	1	2	3	4	5	6
Enabled	Disabled	Disabled	Disabled	Disabled	Disabled	Disabled
Description						
Type	Off	Off	Off	Off	Off	Off
Included Phs						
Modifier Phs						
Negative Phs						
Negative Ovlp						
Negative Ped						
Green Suppr						
Trail Green						
Trail Yellow						
Trail Red						
Walk						
Ped Clear						
Delay						
Startup Call	.	.	.	.	.	.
Recall	.	.	.	.	.	.
Call for Svc	.	.	.	.	.	.

Backup Prevention / No Serve Phases

Sequence 1

Backup Protection Plan

Serve Phase	Backup phase 1	2	3	4	5	6	7	8
1	.	.	.	.	.	.	.	.
2	.	.	.	.	.	.	.	.
3	.	.	.	.	.	.	.	.
4	.	.	.	.	.	.	.	.
5	.	.	.	.	.	.	.	.
6	.	.	.	.	.	.	.	.
7	.	.	.	.	.	.	.	.
8	.	.	.	.	.	.	.	.
Thru Red	No							

Call Phs

Ph	Call Ph
1	
2	
3	
4	
5	
6	
7	
8	

No Serve

Ph	No Srv
1	
2	
3	
4	
5	
6	
7	
8	

Sequence 2

Backup Protection Plan

Serve Phase	Backup phase 1	2	3	4	5	6	7	8
1	.	.	.	.	.	.	.	.
2	.	.	.	.	.	.	.	.
3	.	.	.	.	.	.	.	.
4	.	.	.	.	.	.	.	.
5	.	.	.	.	.	.	.	.
6	.	.	.	.	.	.	.	.
7	.	.	.	.	.	.	.	.
8	.	.	.	.	.	.	.	.
Thru Red	No							

Call Phs

Ph	Call Ph
1	
2	
3	
4	
5	
6	
7	
8	

No Serve

Ph	No Srv
1	
2	
3	
4	
5	
6	
7	
8	

Sequence 3

Backup Protection Plan

Serve Phase	Backup phase 1	2	3	4	5	6	7	8
1	.	.	.	.	.	.	.	.
2	.	.	.	.	.	.	.	.
3	.	.	.	.	.	.	.	.
4	.	.	.	.	.	.	.	.
5	.	.	.	.	.	.	.	.
6	.	.	.	.	.	.	.	.
7	.	.	.	.	.	.	.	.
8	.	.	.	.	.	.	.	.
Thru Red	No							

Call Phs

Ph	Call Ph
1	
2	
3	
4	
5	
6	
7	
8	

No Serve

Ph	No Srv
1	
2	
3	
4	
5	
6	
7	
8	

Sequence 4

Backup Protection Plan

Serve Phase	Backup phase 1	2	3	4	5	6	7	8
1	.	.	.	.	.	.	.	.
2	.	.	.	.	.	.	.	.
3	.	.	.	.	.	.	.	.
4	.	.	.	.	.	.	.	.
5	.	.	.	.	.	.	.	.
6	.	.	.	.	.	.	.	.
7	.	.	.	.	.	.	.	.
8	.	.	.	.	.	.	.	.
Thru Red	No							

Call Phs

Ph	Call Ph
1	
2	
3	
4	
5	
6	
7	
8	

No Serve

Ph	No Srv
1	
2	
3	
4	
5	
6	
7	
8	

Sequence 5

Backup Protection Plan

Serve Phase	Backup phase 1	2	3	4	5	6	7	8
1	.	.	.	.	.	.	.	.
2	.	.	.	.	.	.	.	.
3	.	.	.	.	.	.	.	.
4	.	.	.	.	.	.	.	.
5	.	.	.	.	.	.	.	.
6	.	.	.	.	.	.	.	.
7	.	.	.	.	.	.	.	.
8	.	.	.	.	.	.	.	.
Thru Red	No							

Call Phs

Ph	Call Ph
1	
2	
3	
4	
5	
6	
7	
8	

No Serve

Ph	No Srv
1	
2	
3	
4	
5	
6	
7	
8	

Sequence 6

Backup Protection Plan

Serve Phase	Backup phase 1	2	3	4	5	6	7	8
1	.	.	.	.	.	.	.	.
2	.	.	.	.	.	.	.	.
3	.	.	.	.	.	.	.	.
4	.	.	.	.	.	.	.	.
5	.	.	.	.	.	.	.	.
6	.	.	.	.	.	.	.	.
7	.	.	.	.	.	.	.	.
8	.	.	.	.	.	.	.	.
Thru Red	No							

Call Phs

Ph	Call Ph
1	
2	
3	
4	
5	
6	
7	
8	

No Serve

Ph	No Srv
1	
2	
3	
4	
5	
6	
7	
8	

Sequence 7

Backup Protection Plan

Serve Phase	Backup phase 1	2	3	4	5	6	7	8
1	.	.	.	.	.	.	.	.
2	.	.	.	.	.	.	.	.
3	.	.	.	.	.	.	.	.
4	.	.	.	.	.	.	.	.
5	.	.	.	.	.	.	.	.
6	.	.	.	.	.	.	.	.
7	.	.	.	.	.	.	.	.
8	.	.	.	.	.	.	.	.
Thru Red	No							

Call Phs

Ph	Call Ph
1	
2	
3	
4	
5	
6	
7	
8	

No Serve

Ph	No Srv
1	
2	
3	
4	
5	
6	
7	
8	

Sequence 8

Backup Protection Plan

Serve Phase	Backup phase 1	2	3	4	5	6	7	8
1	.	.	.	.	.	.	.	.
2	.	.	.	.	.	.	.	.
3	.	.	.	.	.	.	.	.
4	.	.	.	.	.	.	.	.
5	.	.	.	.	.	.	.	.
6	.	.	.	.	.	.	.	.
7	.	.	.	.	.	.	.	.
8	.	.	.	.	.	.	.	.
Thru Red	No							

Call Phs

Ph	Call Ph
1	
2	
3	
4	
5	
6	
7	
8	

No Serve

Ph	No Srv
1	
2	
3	
4	
5	
6	
7	
8	

Sequence 9

Backup Protection Plan

Serve Phase	Backup phase 1	2	3	4	5	6	7	8
1	.	.	.	.	.	.	.	.
2	.	.	.	.	.	.	.	.
3	.	.	.	.	.	.	.	.
4	.	.	.	.	.	.	.	.
5	.	.	.	.	.	.	.	.
6	.	.	.	.	.	.	.	.
7	.	.	.	.	.	.	.	.
8	.	.	.	.	.	.	.	.
Thru Red	No							

Call Phs

Ph	Call Ph
1	
2	
3	
4	
5	
6	
7	
8	

No Serve

Ph	No Srv
1	
2	
3	
4	
5	
6	
7	
8	

Detector Configuration

Vehicle Detectors

Detector	Slot	C1 Pin Number	Call Phas	Call O/L	Addtnl Call PH	Switch Phase	Delay	Extend	Queue Limit	No Activity	Max Pres.	Erratic Count	Fail Time	Failed Recall	Description
1	I-1	C1-56	1											None	
2	I-2U	C1-39	2											None	
3	I-2L	C1-43	2											None	
4	I-3U	C1-63	2											None	
5	I-3L	C1-76	2											None	
6	I-4	C1-47	2											None	
7	I-5	C1-58	3											None	
8	I-6U	C1-41	4											None	
9	I-6L	C1-45	4											None	
10	I-7U	C1-65	4											None	
11	I-7L	C1-78	4											None	
12	I-8	C1-49	4											None	
13	I-9U	C1-60	1											None	
14	I-9L	C1-62	3											None	
15	J-1	C1-55	5											None	
16	J-2U	C1-40	6											None	
17	J-2L	C1-44	6											None	
18	J-3U	C1-64	6											None	
19	J-3L	C1-77	6											None	
20	J-4	C1-48	6											None	
21	J-5	C1-57	7											None	
22	J-6U	C1-42	8											None	
23	J-6L	C1-46	8											None	
24	J-7U	C1-66	8											None	
25	J-7L	C1-79	8											None	
26	J-8	C1-50	8											None	
27	J-9U	C1-59	5											None	
28	J-9L	C1-61	7											None	

Pedestrian Detectors

Detector	Slot	C1 Pin Number	Call PH	Call O/L	Addtnl Call PH	No Act	Max Pres	Erratic Count
1	-------	-------						
2	I-12U	C1-67	2					
3	-------	-------						
4	I-12L	C1-69	4					
5	-------	-------						
6	I-13U	C1-68	6					
7	-------	-------						
8	I-13L	C1-70	8					

Global Vehicle Detector Parameters

Global No Activity	
Global Max Presence	20
Global Erratic Count	
Global Failed Recall	Max Recall
Detector Reset Enable	Enabled

Global Ped Detector Parameters

Global No Activity	
Global Max Pres.	5
Global Erratic Ct	

Vehicle Detection Options

Detector	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
Volume	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Occupancy	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Yellow Lock Call	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Red Lock Call	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Extend	X	X	X	X	X	**X**	X	X	X	X	X	**X**	X	X	X	X	X	X	X	**X**	X	X	X	X	X	**X**	X	X
Added Initial	X	X	X	X	X	.	X	X	X	X	X	.	X	X	X	X	X	X	X	.	X	X	X	X	X	.	X	X
Queue	.	.	.	.	.	**.**	.	.	.	.	.	**.**	.	.	.	.	.	.	.	**.**	.	.	.	.	.	**.**	.	.
Call	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Min Green 2	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Passage 2	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.

Coordination Configuration

Coordination Parameters

Operational Mode	Manual Free
Coord Mode	Full Permissive
Maximum Mode	Per Pattern
Force Mode	Per Pattern
Correction Mode	Shortway (Auto)
Max Cyc Limit %	25
Min Cyc Limit %	25
Max Dwell	0
Trans. Cover Ped	Pattern

Patterns

Patt.	Cycle	Offset 1	Split	Seq	Reference	Coord Mode	FO Mode	Max Mode	Phs Pln	Det Pln	Ped Pln	OL Pln	Description
1					Yellow	Auto Permissive	Fixed	Max Inhibit	1	1	1	1	
2					Yellow	Auto Permissive	Fixed	Max Inhibit	1	1	1	1	
3					Yellow	Auto Permissive	Fixed	Max Inhibit	1	1	1	1	
4					Yellow	Auto Permissive	Fixed	Max Inhibit	1	1	1	1	
5					Yellow	Auto Permissive	Fixed	Max Inhibit	1	1	1	1	
6					Yellow	Auto Permissive	Fixed	Max Inhibit	1	1	1	1	
7					Yellow	Auto Permissive	Fixed	Max Inhibit	1	1	1	1	
8					Yellow	Auto Permissive	Fixed	Max Inhibit	1	1	1	1	
9					Yellow	Auto Permissive	Fixed	Max Inhibit	1	1	1	1	

Split Parameters

Split 1

PH.	Time	Min	Max	Coord Phase	Ref Phase	FO Mode	Mode
1				.	.	Fixed	None
2				.	.	Fixed	None
3				.	.	Fixed	None
4				.	.	Fixed	None
5				.	.	Fixed	None
6				.	.	Fixed	None
7				.	.	Fixed	None
8				.	.	Fixed	None

Split 2

PH.	Time	Min	Max	Coord Phase	Ref Phase	FO Mode	Mode
1				.	.	Fixed	None
2				.	.	Fixed	None
3				.	.	Fixed	None
4				.	.	Fixed	None
5				.	.	Fixed	None
6				.	.	Fixed	None
7				.	.	Fixed	None
8				.	.	Fixed	None

Split 3

PH.	Time	Min	Max	Coord Phase	Ref Phase	FO Mode	Mode
1				.	.	Fixed	None
2				.	.	Fixed	None
3				.	.	Fixed	None
4				.	.	Fixed	None
5				.	.	Fixed	None
6				.	.	Fixed	None
7				.	.	Fixed	None
8				.	.	Fixed	None

Split 4

PH.	Time	Min	Max	Coord Phase	Ref Phase	FO Mode	Mode
1				.	.	Fixed	None
2				.	.	Fixed	None
3				.	.	Fixed	None
4				.	.	Fixed	None
5				.	.	Fixed	None
6				.	.	Fixed	None
7				.	.	Fixed	None
8				.	.	Fixed	None

Split 5

PH.	Time	Min	Max	Coord Phase	Ref Phase	FO Mode	Mode
1				.	.	Fixed	None
2				.	.	Fixed	None
3				.	.	Fixed	None
4				.	.	Fixed	None
5				.	.	Fixed	None
6				.	.	Fixed	None
7				.	.	Fixed	None
8				.	.	Fixed	None

Split 6

PH.	Time	Min	Max	Coord Phase	Ref Phase	FO Mode	Mode
1				.	.	Fixed	None
2				.	.	Fixed	None
3				.	.	Fixed	None
4				.	.	Fixed	None
5				.	.	Fixed	None
6				.	.	Fixed	None
7				.	.	Fixed	None
8				.	.	Fixed	None

Split 7

PH.	Time	Min	Max	Coord Phase	Ref Phase	FO Mode	Mode
1				.	.	Fixed	None
2				.	.	Fixed	None
3				.	.	Fixed	None
4				.	.	Fixed	None
5				.	.	Fixed	None
6				.	.	Fixed	None
7				.	.	Fixed	None
8				.	.	Fixed	None

Split 8

PH.	Time	Min	Max	Coord Phase	Ref Phase	FO Mode	Mode
1				.	.	Fixed	None
2				.	.	Fixed	None
3				.	.	Fixed	None
4				.	.	Fixed	None
5				.	.	Fixed	None
6				.	.	Fixed	None
7				.	.	Fixed	None
8				.	.	Fixed	None

Split 9

PH.	Time	Min	Max	Coord Phase	Ref Phase	FO Mode	Mode
1				.	.	Fixed	None
2				.	.	Fixed	None
3				.	.	Fixed	None
4				.	.	Fixed	None
5				.	.	Fixed	None
6				.	.	Fixed	None
7				.	.	Fixed	None
8				.	.	Fixed	None

Advanced Coord Options

Pattern	1	2	3	4	5	6	7	8	9
Ring Plan									
Allow Split Underrun	.	.	.	.	.	.	.	.	.
Allow Split Overrun	.	.	.	.	.	.	.	.	.
Allow No Coord Phase	.	.	.	.	.	.	.	.	.
Coord Now	.	.	.	.	.	.	.	.	.

Ring Plans

Ring Plan 1

Ring	Offset	Early Gap
1		
2		
3		
4		

Ring Plan 2

Ring	Offset	Early Gap
1		
2		
3		
4		

Ring Plan 3

Ring	Offset	Early Gap
1		
2		
3		
4		

Ring Plan 4

Ring	Offset	Early Gap
1		
2		
3		
4		

Ring Plan 5

Ring	Offset	Early Gap
1		
2		
3		
4		

Ring Plan 6

Ring	Offset	Early Gap
1		
2		
3		
4		

Ring Plan 7

Ring	Offset	Early Gap
1		
2		
3		
4		

Ring Plan 8

Ring	Offset	Early Gap
1		
2		
3		
4		

Ring Plan 9

Ring	Offset	Early Gap
1		
2		
3		
4		

Scheduler Configuration

Schedule 1

Status	Enabled

Month of Year											
J	F	M	A	M	J	J	A	S	O	N	D
X	X	X	X	X	X	X	X	X	X	X	X

Description	Weekday

Days of Week							
S	M	T	W	T	F	S
.	X	X	X	X	X	.

Day Plan	1

Days of Month																															
									1										2										3		
1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1
X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X

Schedule 2

Status	Enabled

Month of Year											
J	F	M	A	M	J	J	A	S	O	N	D
X	X	X	X	X	X	X	X	X	X	X	X

Description	Weekend

Days of Week							
S	M	T	W	T	F	S
X	.	.	.	.	.	X

Day Plan	2

Days of Month																															
									1										2										3		
1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1
X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X

Schedule 3

Status	Disabled

Month of Year											
J	F	M	A	M	J	J	A	S	O	N	D
.	.	.	.	.	.	.	.	.	.	.	.

Description	

Days of Week							
S	M	T	W	T	F	S
.	.	.	.	.	.	.

Day Plan	0

Days of Month																															
									1										2										3		
1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1
.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.

Day Plans

Day Plan 1

Event	HR	MIN	ACT	Description
1				
2				
3				
4				
5				
6				
7				
8				
9				
10				

Day Plan 2

Event	HR	MIN	ACT	Description
1				
2				
3				
4				
5				
6				
7				
8				
9				
10				

Day Plan 3

Event	HR	MIN	ACT	Description
1				
2				
3				
4				
5				
6				
7				
8				
9				
10				

Action Commands

Action	Command	Index
1	None	
2	None	
3	None	
4	None	
5	None	

Action	Command	Index
6	None	
7	None	
8	None	
9	None	
10	None	

Action	Command	Index
11	None	
12	None	
13	None	
14	None	
15	None	

Action	Command	Index
16	None	
17	None	
18	None	
19	None	
20	None	

Actions

		Aux			Special Functions						
Action	Pattern	1	2	3	1	2	3	4	5	6	7	8
1	Pattern 1	.	.	.	.	.	.	.	.	.	.	.
2	Pattern 2	.	.	.	.	.	.	.	.	.	.	.
3	Pattern 3	.	.	.	.	.	.	.	.	.	.	.
4	Pattern 4	.	.	.	.	.	.	.	.	.	.	.
5	Pattern 5	.	.	.	.	.	.	.	.	.	.	.
6	Pattern 6	.	.	.	.	.	.	.	.	.	.	.
7	Pattern 7	.	.	.	.	.	.	.	.	.	.	.
8	Pattern 8	.	.	.	.	.	.	.	.	.	.	.
9	Pattern 9	.	.	.	.	.	.	.	.	.	.	.
10	Pattern 10	.	.	.	.	.	.	.	.	.	.	.
11	None	.	.	.	.	.	.	.	.	.	.	.
12	None	.	.	.	.	.	.	.	.	.	.	.
13	None	.	.	.	.	.	.	.	.	.	.	.
14	None	.	.	.	.	.	.	.	.	.	.	.
15	None	.	.	.	.	.	.	.	.	.	.	.
16	None	.	.	.	.	.	.	.	.	.	.	.
17	None	.	.	.	.	.	.	.	.	.	.	.
18	None	.	.	.	.	.	.	.	.	.	.	.
19	None	.	.	.	.	.	.	.	.	.	.	.
20	None	.	.	.	.	.	.	.	.	.	.	.
64	Free	.	.	.	.	.	.	.	.	.	.	.

Preempt Configuration

Preemption Configuration

Preempt	1	2	3	4	5	6
Enabled	Enabled	Disabled	Enabled	Disabled	Enabled	Enabled
Type	Rail Road	Rail Road	Emergency Veh	Emergency Veh	Emergency Veh	Emergency Veh
Description	BBS Flash					
Track Phase						
Track 2 Phases						
Track Overlap						
Track 2 Overlap						
Dwell Phase			2		1,6	8
Dwell Ped						
Dwell Overlap						
Cycling Phase						
Cycling Ped						
Cycling Overlap						
Exit Phase			2,6		2,6	8
Exit Overlaps						
Recovery Exit Omit						

Preemption Options

Preempt	1	2	3	4	5	6
Non Lock Mem	.	.	.	.	.	.
Not Overide Flash	.	.	.	.	.	.
Not Overide Next Preempt	.	.	.	.	.	.
Flash Dwell	.	.	.	.	.	.
Ped Recycle in Dwell Cycle	.	.	.	.	.	.
Immediate Ped Clear	.	.	.	.	.	.
Dwell Only Status Output	.	.	.	.	.	.
All Red Flash Dwell	X	.	.	.	.	.
Allow All Overlaps	.	.	.	.	.	.
Require All Red Entry	.	.	.	.	.	.
Require Gate Down Track Exit	.	.	.	.	.	.
Require Gate Up Dwell Exit	.	.	.	.	.	.
Use Normal On/Normal Off Input	.	.	.	.	.	.

Preemption Parameters

Preempt	1	2	3	4	5	6
Link						
Delay			1		1	1
Min Duration						
Min Presence						
Max Presence			255		255	255
Max Presence Action	Terminate	Terminate	Terminate	Terminate	Terminate	Terminate
Enter Min Green						
Enter Yellow Change	25.5	25.5	25.5	25.5	25.5	25.5
Enter Red Clear	25.5	25.5	25.5	25.5	25.5	25.5
Enter Min Walk						
Enter Ped Clear			255	255	255	255
Track Green						
Track Yellow Change	25.5	25.5	25.5	25.5	25.5	25.5
Track Red Clear	25.5	25.5	25.5	25.5	25.5	25.5
Track 2 Green						
Track 2 Yellow	25.5	25.5	25.5	25.5	25.5	25.5
Track 2 Red	25.5	25.5	25.5	25.5	25.5	25.5
Track Ext. Gate Down						

Preempt Parameters

Preempt	1	2	3	4	5	6
Dwell Green			1		1	1
Exit Ped Clear	255	255	255	255	255	255
Exit Yellow Change	25.5	25.5	25.5	25.5	25.5	25.5
Exit Red Clear	25.5	25.5	25.5	25.5	25.5	25.5
Dwell Ext Time			5		5	5
Max Exit Green						
Exit Type	Exit Phases	Exit Phases	Exit Phases	Exit Phases	Exit Phases	Exit Phases
Exit Max Mode	Disabled	Disabled	Disabled	Disabled	Disabled	Disabled
Exit Max Apply Time						
Veh Exit Calls						
Ped Exit Calls						

Advanced I/O Configuration

Channel Configuration

Ch	Control Type	Source
1	Phase Vehicle	1
2	Phase Vehicle	2
3	Phase Vehicle	3
4	Phase Vehicle	4
5	Phase Vehicle	5
6	Phase Vehicle	6
7	Phase Vehicle	7
8	Phase Vehicle	8

Ch	Control Type	Source
9	None	
10	None	
11	None	
12	None	
13	Phase Ped	2
14	Phase Ped	4
15	Phase Ped	6
16	Phase Ped	8

Concurrency Mode

Concurrency Mode
Auto

Auto Concurrency

Ch	Concurrency
1	6,15
2	6,13,15
3	
4	14
5	
6	13,15
7	
8	16
9	
10	
11	
12	
13	15
14	
15	
16	

Channel Options

Channel	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Flash Yellow	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Flash Red	X	X	X	X	X	X	X	X	.	.	.	.	.	.	.	.
Flash Alternate Half Hertz	X	.	.	X	X	.	.	X	.	.	.	.	.	.	.	.

Cabinet Configuration

IO Modules

IO Module	Type
1	Caltrans 332

Input Points

Input	C1 Pin	Input Type	Idx
1	C1-39	Vehicle Det Call	2
2	C1-40	Vehicle Det Call	16
3	C1-41	Vehicle Det Call	8
4	C1-42	Vehicle Det Call	22
5	C1-43	Vehicle Det Call	3
6	C1-44	Vehicle Det Call	17
7	C1-45	Vehicle Det Call	9
8	C1-46	Vehicle Det Call	23
9	C1-47	Vehicle Det Call	6
10	C1-48	Vehicle Det Call	20
11	C1-49	Vehicle Det Call	12
12	C1-50	Vehicle Det Call	26
13	C1-51	Preempt Input	1
14	C1-52	Preempt Input	2
15	C1-53	Unit Manual Control Enable	1
16	C1-54	Not Active	

Input	C1 Pin	Input Type	Idx
17	C1-55	Vehicle Det Call	15
18	C1-56	Vehicle Det Call	1
19	C1-57	Vehicle Det Call	21
20	C1-58	Vehicle Det Call	7
21	C1-59	Vehicle Det Call	27
22	C1-60	Vehicle Det Call	13
23	C1-61	Vehicle Det Call	28
24	C1-62	Vehicle Det Call	14
25	C11-10	Not Active	
26	C11-11	Not Active	
27	C11-12	Not Active	
28	C11-13	Not Active	
29	C1-63	Vehicle Det Call	4
30	C1-64	Vehicle Det Call	18
31	C1-65	Vehicle Det Call	10
32	C1-66	Vehicle Det Call	24

Input	C1 Pin	Input Type	Idx
33	C1-67	Ped Det Call	2
34	C1-68	Ped Det Call	6
35	C1-69	Ped Det Call	4
36	C1-70	Ped Det Call	8
37	C1-71	Preempt Input	3
38	C1-72	Preempt Input	4
39	C1-73	Preempt Input	5
40	C1-74	Preempt Input	6
41	C1-75	Not Active	
42	C1-76	Vehicle Det Call	5
43	C1-77	Vehicle Det Call	19
44	C1-78	Vehicle Det Call	11
45	C1-79	Vehicle Det Call	25
46	C1-80	Unit Interval Advance	1
47	C1-81	Unit Local Flash Sense	1
48	C1-82	Unit Stop Time	1

Input	C1 Pin	Input Type	Idx
49	C11-15	Not Active	
50	C11-16	Not Active	
51	C11-17	Not Active	
52	C11-18	Not Active	
53	C11-19	Not Active	
54	C11-20	Not Active	
55	C11-21	Not Active	
56	C11-22	Not Active	
57	C11-23	Not Active	
58	C11-24	Not Active	
59	C11-25	Not Active	
60	C11-26	Not Active	
61	C11-27	Not Active	
62	C11-28	Not Active	
63	C11-29	Not Active	
64	C11-30	Not Active	

Cabinet Configuration

Output Points

Output	C1 Pin	Output Type	Idx
1	C1-2	Channel Red Do Not Walk Driver	14
2	C1-3	Channel Green Walk Driver	14
3	C1-4	Channel Red Do Not Walk Driver	4
4	C1-5	Channel Yellow Ped Clear Driver	4
5	C1-6	Channel Green Walk Driver	4
6	C1-7	Channel Red Do Not Walk Driver	3
7	C1-8	Channel Yellow Ped Clear Driver	3
8	C1-9	Channel Green Walk Driver	3
9	C1-10	Channel Red Do Not Walk Driver	13
10	C1-11	Channel Green Walk Driver	13
11	C1-12	Channel Red Do Not Walk Driver	2
12	C1-13	Channel Yellow Ped Clear Driver	2
13	C1-15	Channel Green Walk Driver	2
14	C1-16	Channel Red Do Not Walk Driver	1
15	C1-17	Channel Yellow Ped Clear Driver	1
16	C1-18	Channel Green Walk Driver	1
17	C1-19	Channel Red Do Not Walk Driver	16
18	C1-20	Channel Green Walk Driver	16
19	C1-21	Channel Red Do Not Walk Driver	8
20	C1-22	Channel Yellow Ped Clear Driver	8
21	C1-23	Channel Green Walk Driver	8
22	C1-24	Channel Red Do Not Walk Driver	7
23	C1-25	Channel Yellow Ped Clear Driver	7
24	C1-26	Channel Green Walk Driver	7
25	C1-27	Channel Red Do Not Walk Driver	15
26	C1-28	Channel Green Walk Driver	15
27	C1-29	Channel Red Do Not Walk Driver	6
28	C1-30	Channel Yellow Ped Clear Driver	6
29	C1-31	Channel Green Walk Driver	6
30	C1-32	Channel Red Do Not Walk Driver	5
31	C1-33	Channel Yellow Ped Clear Driver	5
32	C1-34	Channel Green Walk Driver	5

Output	C1 Pin	Output Type	Idx
33	C1-35	Channel Yellow Ped Clear Driver	13
34	C1-36	Channel Yellow Ped Clear Driver	15
35	C1-37	Channel Yellow Ped Clear Driver	14
36	C1-38	Channel Yellow Ped Clear Driver	16
37	C1-100	Channel Yellow Ped Clear Driver	18
38	C1-101	Channel Yellow Ped Clear Driver	11
39	C1-102	Detector Reset	1
40	C1-103	Watchdog	
41	C1-83	Channel Red Do Not Walk Driver	18
42	C1-84	Channel Green Walk Driver	18
43	C1-85	Channel Red Do Not Walk Driver	17
44	C1-86	Channel Yellow Ped Clear Driver	17
45	C1-87	Channel Green Walk Driver	17
46	C1-88	Channel Red Do Not Walk Driver	12
47	C1-89	Channel Yellow Ped Clear Driver	12
48	C1-90	Channel Green Walk Driver	12
49	C1-91	Channel Red Do Not Walk Driver	11
50	C1-93	Channel Green Walk Driver	11
51	C1-94	Channel Red Do Not Walk Driver	10
52	C1-95	Channel Yellow Ped Clear Driver	10
53	C1-96	Channel Green Walk Driver	10
54	C1-97	Channel Red Do Not Walk Driver	9
55	C1-98	Channel Yellow Ped Clear Driver	9
56	C1-99	Channel Green Walk Driver	9
57	C11-1	Not Active	
58	C11-2	Not Active	
59	C11-3	Not Active	
60	C11-4	Not Active	
61	C11-5	Not Active	
62	C11-6	Not Active	
63	C11-7	Not Active	
64	C11-8	Not Active	

User Programs

Program 1

Enabled

Line	Result	Idx	Operation	Parameter A	Idx	Parameter B	Idx	Dly	Ext	Description
1	Unit Stop Time	1	Result=A	Aux Switch State						Aux switch stop time
2										
3										
4										
5										
6										
7										
8										
9										
10										
11										
12										
13										
14										
15										
16										
17										
18										
19										
20										
21										
22										
23										
24										
25										
26										
27										
28										
29										
30										
31										
32										
33										
34										
35										
36										
37										
38										
39										
40										

INTELIGHT

City of San Marcos

San Marcos @ Via Vera Cruz

Phase Timing and Options

Unit Information

Controller Number	7
Software	Intelight MAXTIME 2.X
Main Street	San Marcos
Side Street	Via Vera Cruz
IP Address	

Unit Parameters

Extended Mode	Disable
Startup Flash	0
Auto Ped Clear	Enable
Red Revert	6.0
Backup Time	600
Startup All Red	6
Man. Control Seq.	1
MCE Enable	Enable
Start Yel. Override	0.0
Start Red Override	0.0
Free Sequence	1
All Red Flash Exit	6
Local CVM Fash	Disable
All Red Flash Sns	Disable
All Dark Flash Sns	Disable

Phase Timing

Phase	1	2	3	4	5	6	7	8
Description	WB Left	EB	NB Left	SB	EB Left	WB	SB Left	NB
Walk		5		5		5		5
Ped Clear		23		27		21		27
Steady Don't Walk								
Min Green	6	15	8	7	6	15	7	7
Min Green 2								
Passage	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
Passage 2								
Max Green 1	30	50	30	30	30	50	40	30
Max Green 2								
Yellow Change	4.5	4.5	4.0	4.0	4.5	4.5	4.0	4.0
Red Clear	2.0	2.0	2.0	2.5	2.0	2.0	2.5	2.5
Added Initial								
Maximum Initial								
Time B4 Reduction								
Cars B4 Reduction								
Time To Reduce								
Reduce By								
Minimum Gap								
Advance Walk								
Delayed Ped								

Phase Options

Phase	1	2	3	4	5	6	7	8
Enable	X	X	X	X	X	X	X	X
Auto Flash Entry	.	.	.	X	.	.	.	X
Auto Flash Exit	.	X	.	.	.	X	.	.
Non Lock Detector	X	X	X	X	X	X	X	X
Min Vehicle Recall	.	X	.	.	.	X	.	.
Max Vehicle Recall	.	.	.	.	.	.	.	.
Ped Recall	.	.	.	.	.	.	.	.
Soft Vehicle Recall	.	.	.	.	.	.	.	.
Dual Entry	.	.	.	X	.	.	.	X
Sim. Gap Disable	.	.	.	.	.	.	.	.
Actuated Rest in Walk	.	.	.	.	.	.	.	.
Conditional Svc Enable	.	.	.	.	.	.	.	.
Add Initial Calculation	.	.	.	.	.	.	.	.
Ped Clear During Yellow	.	.	.	.	.	.	.	.
Ped Clear During Red Clr	.	.	.	.	.	.	.	.
Yellow Min Override	.	.	.	.	.	.	.	.
No Startup Call	.	.	.	.	.	.	.	.
No Ped Startup Call	.	.	.	.	.	.	.	.
Min Green 2	.	.	.	.	.	.	.	.
Max Green 2	.	.	.	.	.	.	.	.
Red Rest	.	.	.	.	.	.	.	.
Ped Recycle	.	X	.	X	.	X	.	X

Phase Configuration

Phase	Startup	Description
1	Phase Not On	WB Left
2	Green No Walk	EB
3	Phase Not On	NB Left
4	Phase Not On	SB
5	Phase Not On	EB Left
6	Green No Walk	WB
7	Phase Not On	SB Left
8	Phase Not On	NB

Global Phase Recalls

Phase	1	2	3	4	5	6	7	8
Min	.	.	.	.	.	.	.	.
Max	.	.	.	.	.	.	.	.
Ped	.	.	.	.	.	.	.	.

Notes

SAN MARCOS
DISCOVER LIFE'S POSSIBILITIES

Printed on: 3/25/2021

Sequences

Sequence 1

Ring	Sequence
1	1,2,a,3,4,b
2	5,6,a,7,8,b
3	
4	

Sequence 2

Ring	Sequence
1	2,1,a,3,4,b
2	5,6,a,7,8,b
3	
4	

Sequence 3

Ring	Sequence
1	1,2,a,4,3,b
2	5,6,a,7,8,b
3	
4	

Sequence 4

Ring	Sequence
1	2,1,a,4,3,b
2	5,6,a,7,8,b
3	
4	

Sequence 5

Ring	Sequence
1	1,2,a,3,4,b
2	5,6,a,7,8,b
3	
4	

Sequence 6

Ring	Sequence
1	1,2,a,3,4,b
2	5,6,a,7,8,b
3	
4	

Sequence 7

Ring	Sequence
1	1,2,a,4,3,b
2	6,5,a,7,8,b
3	
4	

Sequence 8

Ring	Sequence
1	2,1,a,4,3,b
2	6,5,a,7,8,b
3	
4	

Sequence 9

Ring	Sequence
1	1,2,a,3,4,b
2	5,6,a,8,7,b
3	
4	

Sequence 10

Ring	Sequence
1	2,1,a,3,4,b
2	5,6,a,8,7,b
3	
4	

Sequence 11

Ring	Sequence
1	1,2,a,4,3,b
2	5,6,a,8,7,b
3	
4	

Sequence 12

Ring	Sequence
1	2,1,a,4,3,b
2	5,6,a,8,7,b
3	
4	

Sequence 13

Ring	Sequence
1	1,2,a,3,4,b
2	6,5,a,8,7,b
3	
4	

Sequence 14

Ring	Sequence
1	2,1,a,3,4,b
2	6,5,a,8,7,b
3	
4	

Sequence 15

Ring	Sequence
1	1,2,a,4,3,b
2	6,5,a,8,7,b
3	
4	

Sequence 16

Ring	Sequence
1	2,1,a,4,3,b
2	6,5,a,8,7,b
3	
4	

Overlaps

Standard Overlaps

Overlap	1	2	3	4	5	6
Enabled	Disabled	Disabled	Disabled	Disabled	Disabled	Disabled
Description						
Type	Off	Off	Off	Off	Off	Off
Included Phs						
Modifier Phs						
Negative Phs						
Negative Ovlp						
Negative Ped						
Green Suppr						
Trail Green						
Trail Yellow						
Trail Red						
Walk						
Ped Clear						
Delay						
Startup Call	.	.	.	.	.	.
Recall	.	.	.	.	.	.
Call for Svc	.	.	.	.	.	.

Backup Prevention / No Serve Phases

Sequence 1

Backup Protection Plan

Serve Phase	Backup phase 1	2	3	4	5	6	7	8
1	.	.	.	.	.	.	.	.
2	.	.	.	.	.	.	.	.
3	.	.	.	.	.	.	.	.
4	.	.	.	.	.	.	.	.
5	.	.	.	.	.	.	.	.
6	.	.	.	.	.	.	.	.
7	.	.	.	.	.	.	.	.
8	.	.	.	.	.	.	.	.
Thru Red	No							

Call Phs

Ph	Call Ph
1	
2	
3	
4	
5	
6	
7	
8	

No Serve

Ph	No Srv
1	
2	
3	
4	
5	
6	
7	
8	

Sequence 2

Backup Protection Plan

Serve Phase	Backup phase 1	2	3	4	5	6	7	8
1	.	.	.	.	.	.	.	.
2	.	.	.	.	.	.	.	.
3	.	.	.	.	.	.	.	.
4	.	.	.	.	.	.	.	.
5	.	.	.	.	.	.	.	.
6	.	.	.	.	.	.	.	.
7	.	.	.	.	.	.	.	.
8	.	.	.	.	.	.	.	.
Thru Red	No							

Call Phs

Ph	Call Ph
1	
2	
3	
4	
5	
6	
7	
8	

No Serve

Ph	No Srv
1	
2	
3	
4	
5	
6	
7	
8	

Sequence 3

Backup Protection Plan

Serve Phase	Backup phase 1	2	3	4	5	6	7	8
1	.	.	.	.	.	.	.	.
2	.	.	.	.	.	.	.	.
3	.	.	.	.	.	.	.	.
4	.	.	.	.	.	.	.	.
5	.	.	.	.	.	.	.	.
6	.	.	.	.	.	.	.	.
7	.	.	.	.	.	.	.	.
8	.	.	.	.	.	.	.	.
Thru Red	No							

Call Phs

Ph	Call Ph
1	
2	
3	
4	
5	
6	
7	
8	

No Serve

Ph	No Srv
1	
2	
3	
4	
5	
6	
7	
8	

Sequence 4

Backup Protection Plan

Serve Phase	Backup phase 1	2	3	4	5	6	7	8
1	.	.	.	.	.	.	.	.
2	.	.	.	.	.	.	.	.
3	.	.	.	.	.	.	.	.
4	.	.	.	.	.	.	.	.
5	.	.	.	.	.	.	.	.
6	.	.	.	.	.	.	.	.
7	.	.	.	.	.	.	.	.
8	.	.	.	.	.	.	.	.
Thru Red	No							

Call Phs

Ph	Call Ph
1	
2	
3	
4	
5	
6	
7	
8	

No Serve

Ph	No Srv
1	
2	
3	
4	
5	
6	
7	
8	

Sequence 5

Backup Protection Plan

Serve Phase	Backup phase 1	2	3	4	5	6	7	8
1	.	.	.	.	.	.	.	.
2	.	.	.	.	.	.	.	.
3	.	.	.	.	.	.	.	.
4	.	.	.	.	.	.	.	.
5	.	.	.	.	.	.	.	.
6	.	.	.	.	.	.	.	.
7	.	.	.	.	.	.	.	.
8	.	.	.	.	.	.	.	.
Thru Red	No							

Call Phs

Ph	Call Ph
1	
2	
3	
4	
5	
6	
7	
8	

No Serve

Ph	No Srv
1	
2	
3	
4	
5	
6	
7	
8	

Sequence 6

Backup Protection Plan

Serve Phase	Backup phase 1	2	3	4	5	6	7	8
1	.	.	.	.	.	.	.	.
2	.	.	.	.	.	.	.	.
3	.	.	.	.	.	.	.	.
4	.	.	.	.	.	.	.	.
5	.	.	.	.	.	.	.	.
6	.	.	.	.	.	.	.	.
7	.	.	.	.	.	.	.	.
8	.	.	.	.	.	.	.	.
Thru Red	No							

Call Phs

Ph	Call Ph
1	
2	
3	
4	
5	
6	
7	
8	

No Serve

Ph	No Srv
1	
2	
3	
4	
5	
6	
7	
8	

Sequence 7

Backup Protection Plan

Serve Phase	Backup phase 1	2	3	4	5	6	7	8
1	.	.	.	.	.	.	.	.
2	.	.	.	.	.	.	.	.
3	.	.	.	.	.	.	.	.
4	.	.	.	.	.	.	.	.
5	.	.	.	.	.	.	.	.
6	.	.	.	.	.	.	.	.
7	.	.	.	.	.	.	.	.
8	.	.	.	.	.	.	.	.
Thru Red	No							

Call Phs

Ph	Call Ph
1	
2	
3	
4	
5	
6	
7	
8	

No Serve

Ph	No Srv
1	
2	
3	
4	
5	
6	
7	
8	

Sequence 8

Backup Protection Plan

Serve Phase	Backup phase 1	2	3	4	5	6	7	8
1	.	.	.	.	.	.	.	.
2	.	.	.	.	.	.	.	.
3	.	.	.	.	.	.	.	.
4	.	.	.	.	.	.	.	.
5	.	.	.	.	.	.	.	.
6	.	.	.	.	.	.	.	.
7	.	.	.	.	.	.	.	.
8	.	.	.	.	.	.	.	.
Thru Red	No							

Call Phs

Ph	Call Ph
1	
2	
3	
4	
5	
6	
7	
8	

No Serve

Ph	No Srv
1	
2	
3	
4	
5	
6	
7	
8	

Sequence 9

Backup Protection Plan

Serve Phase	Backup phase 1	2	3	4	5	6	7	8
1	.	.	.	.	.	.	.	.
2	.	.	.	.	.	.	.	.
3	.	.	.	.	.	.	.	.
4	.	.	.	.	.	.	.	.
5	.	.	.	.	.	.	.	.
6	.	.	.	.	.	.	.	.
7	.	.	.	.	.	.	.	.
8	.	.	.	.	.	.	.	.
Thru Red	No							

Call Phs

Ph	Call Ph
1	
2	
3	
4	
5	
6	
7	
8	

No Serve

Ph	No Srv
1	
2	
3	
4	
5	
6	
7	
8	

Detector Configuration

Vehicle Detectors

Detector	Slot	C1 Pin Number	Call Phas	Call O/L	Addtnl Call PH	Switch Phase	Delay	Extend	Queue Limit	No Activity	Max Pres.	Erratic Count	Fail Time	Failed Recall	Description
1	I-1	C1-56	1											None	
2	I-2U	C1-39	2											None	
3	I-2L	C1-43	2											None	
4	I-3U	C1-63	2											None	
5	I-3L	C1-76	2											None	
6	I-4	C1-47	2											None	
7	I-5	C1-58	3											None	
8	I-6U	C1-41	**7**											None	
9	I-6L	C1-45	4											None	
10	I-7U	C1-65	4											None	
11	I-7L	C1-78	4											None	
12	I-8	C1-49	4											None	
13	I-9U	C1-60	**2**											None	
14	I-9L	C1-62	**2**											None	
15	J-1	C1-55	5											None	
16	J-2U	C1-40	6											None	
17	J-2L	C1-44	6					1.0						None	
18	J-3U	C1-64	6											None	
19	J-3L	C1-77	6											None	
20	J-4	C1-48	6											None	
21	J-5	C1-57	7											None	
22	J-6U	C1-42	8					1.0						None	
23	J-6L	C1-46	8											None	
24	J-7U	C1-66	8											None	
25	J-7L	C1-79	8											None	
26	J-8	C1-50	8											None	
27	J-9U	C1-59	**6**											None	
28	J-9L	C1-61	**6**											None	

Pedestrian Detectors

Detector	Slot	C1 Pin Number	Call PH	Call O/L	Addtnl Call PH	No Act	Max Pres	Erratic Count
1	-------	-------						
2	I-12U	C1-67	2					
3	-------	-------						
4	I-12L	C1-69	4					
5	-------	-------						
6	I-13U	C1-68	6					
7	-------	-------						
8	I-13L	C1-70	8					

Global Vehicle Detector Parameters

Global No Activity	
Global Max Presence	60
Global Erratic Count	45
Global Failed Recall	Max Recall
Detector Reset Enable	Enabled

Global Ped Detector Parameters

Global No Activity	
Global Max Pres.	5
Global Erratic Ct	

Vehicle Detection Options

Detector	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
Volume	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Occupancy	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Yellow Lock Call	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Red Lock Call	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Extend	X	X	X	X	X	**X**	X	X	X	X	X	**X**	X	X	X	X	X	X	X	**X**	X	X	X	X	X	**X**	X	X
Added Initial	X	X	X	X	X	.	X	X	X	X	X	.	X	X	X	X	X	X	X	.	X	X	X	X	X	.	X	X
Queue	.	.	.	.	.	**.**	.	.	.	.	.	**.**	.	.	.	.	.	.	.	**.**	.	.	.	.	.	**.**	.	.
Call	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Min Green 2	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Passage 2	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.

Coordination Configuration

Coordination Parameters

Operational Mode	Automatic
Coord Mode	Full Permissive
Maximum Mode	Per Pattern
Force Mode	Per Pattern
Correction Mode	Shortway (Auto)
Max Cyc Limit %	25
Min Cyc Limit %	25
Max Dwell	0
Trans. Cover Ped	Pattern

Patterns

Patt.	Cycle	Offset 1	Split	Seq	Reference	Coord Mode	FO Mode	Max Mode	Phs Pln	Det Pln	Ped Pln	OL Pln	Description
1	120	83	1	5	Yellow	Full Permissive	Fixed	Max Inhibit	1	1	1	1	
2	120	103	2	1	Yellow	Auto Permissive	Fixed	Max Inhibit	1	1	1	1	
3	130	104	3	13	Yellow	Auto Permissive	Fixed	Max Inhibit	1	1	1	1	
4	140	6	4	1	Yellow	Auto Permissive	Fixed	Max Inhibit	1	1	1	1	
5	150	24	5	2	Yellow	Full Permissive	Fixed	Max Inhibit	1	1	1	1	
6	140	30	6	1	Yellow	Auto Permissive	Fixed	Max Inhibit	1	1	1	1	
7					Yellow	Auto Permissive	Fixed	Max Inhibit	1	1	1	1	
8					Yellow	Auto Permissive	Fixed	Max Inhibit	1	1	1	1	
9					Yellow	Auto Permissive	Fixed	Max Inhibit	1	1	1	1	

Split Parameters

Split 1

PH.	Time	Min	Max	Coord Phase	Ref Phase	FO Mode	Mode
1	22			.	.	Fixed	None
2	22			X	.	Fixed	None
3	22			.	.	Fixed	None
4	32			.	.	Fixed	None
5	22			.	.	Fixed	None
6	44			X	X	Fixed	None
7	22			.	.	Fixed	None
8	32			.	.	Fixed	None

Split 2

PH.	Time	Min	Max	Coord Phase	Ref Phase	FO Mode	Mode
1	24			.	.	Fixed	None
2	42			X	X	Fixed	None
3	22			.	.	Fixed	None
4	32			.	.	Fixed	None
5	24			.	.	Fixed	None
6	42			X	X	Fixed	None
7	22			.	.	Fixed	None
8	32			.	.	Fixed	None

Split 3

PH.	Time	Min	Max	Coord Phase	Ref Phase	FO Mode	Mode
1	17			.	.	Fixed	None
2	57			X	.	Fixed	None
3	20			.	.	Fixed	None
4	36			.	.	Fixed	None
5	16			.	.	Fixed	None
6	58			X	X	Fixed	None
7	25			.	.	Fixed	None
8	31			.	.	Fixed	None

Split 4

PH.	Time	Min	Max	Coord Phase	Ref Phase	FO Mode	Mode
1	24			.	.	Fixed	None
2	58			X	X	Fixed	None
3	25			.	.	Fixed	None
4	33			.	.	Fixed	None
5	24			.	.	Fixed	None
6	58			X	X	Fixed	None
7	25			.	.	Fixed	None
8	33			.	.	Fixed	None

Split 5

PH.	Time	Min	Max	Coord Phase	Ref Phase	FO Mode	Mode
1	23			.	.	Fixed	None
2	64			X	X	Fixed	None
3	20			.	.	Fixed	None
4	43			.	.	Fixed	None
5	25			.	.	Fixed	None
6	42			X	.	Fixed	None
7	20			.	.	Fixed	None
8	43			.	.	Fixed	None

Split 6

PH.	Time	Min	Max	Coord Phase	Ref Phase	FO Mode	Mode
1	24			.	.	Fixed	None
2	58			X	X	Fixed	None
3	25			.	.	Fixed	None
4	33			.	.	Fixed	None
5	24			.	.	Fixed	None
6	58			X	X	Fixed	None
7	25			.	.	Fixed	None
8	33			.	.	Fixed	None

Split 7

PH.	Time	Min	Max	Coord Phase	Ref Phase	FO Mode	Mode
1				.	.	Fixed	None
2				.	.	Fixed	None
3				.	.	Fixed	None
4				.	.	Fixed	None
5				.	.	Fixed	None
6				.	.	Fixed	None
7				.	.	Fixed	None
8				.	.	Fixed	None

Split 8

PH.	Time	Min	Max	Coord Phase	Ref Phase	FO Mode	Mode
1				.	.	Fixed	None
2				.	.	Fixed	None
3				.	.	Fixed	None
4				.	.	Fixed	None
5				.	.	Fixed	None
6				.	.	Fixed	None
7				.	.	Fixed	None
8				.	.	Fixed	None

Split 9

PH.	Time	Min	Max	Coord Phase	Ref Phase	FO Mode	Mode
1				.	.	Fixed	None
2				.	.	Fixed	None
3				.	.	Fixed	None
4				.	.	Fixed	None
5				.	.	Fixed	None
6				.	.	Fixed	None
7				.	.	Fixed	None
8				.	.	Fixed	None

Advanced Coord Options

Pattern	1	2	3	4	5	6	7	8	9
Ring Plan									
Allow Split Underrun	X	.	.	.	X	.	.	.	.
Allow Split Overrun	.	.	.	.	.	.	.	.	.
Allow No Coord Phase	.	.	.	.	.	.	.	.	.
Coord Now	.	.	.	.	.	.	.	.	.

Ring Plans

Ring Plan 1

Ring	Offset	Early Gap
1		
2		
3		
4		

Ring Plan 2

Ring	Offset	Early Gap
1		
2		
3		
4		

Ring Plan 3

Ring	Offset	Early Gap
1		
2		
3		
4		

Ring Plan 4

Ring	Offset	Early Gap
1		
2		
3		
4		

Ring Plan 5

Ring	Offset	Early Gap
1		
2		
3		
4		

Ring Plan 6

Ring	Offset	Early Gap
1		
2		
3		
4		

Ring Plan 7

Ring	Offset	Early Gap
1		
2		
3		
4		

Ring Plan 8

Ring	Offset	Early Gap
1		
2		
3		
4		

Ring Plan 9

Ring	Offset	Early Gap
1		
2		
3		
4		

Scheduler Configuration

Schedule 1

Status	Enabled

Month of Year											
J	F	M	A	M	J	J	A	S	O	N	D
X	X	X	X	X	X	X	X	X	X	X	X

Description	Weekday

Days of Week						
S	M	T	W	T	F	S
.	X	X	X	X	X	.

Day Plan	1

Days of Month																														
									1												2									3
1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1
X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X

Schedule 2

Status	Enabled

Month of Year											
J	F	M	A	M	J	J	A	S	O	N	D
X	X	X	X	X	X	X	X	X	X	X	X

Description	Weekend

Days of Week						
S	M	T	W	T	F	S
X	.	.	.	.	.	X

Day Plan	2

Days of Month																														
									1												2									3
1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1
X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X

Schedule 3

Status	Disabled

Month of Year											
J	F	M	A	M	J	J	A	S	O	N	D
.	.	.	.	.	.	.	.	.	.	.	.

Description	

Days of Week						
S	M	T	W	T	F	S
.	.	.	.	.	.	.

Day Plan	0

Days of Month																														
									1												2									3
1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1
.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.

Day Plans

Day Plan 1

Event	HR	MIN	ACT	Description
1	6	30	1	
2	9		2	
3	14		5	
4	19		2	
5	21		64	Free
6				
7				
8				
9				
10				

Day Plan 2

Event	HR	MIN	ACT	Description
1	8		2	
2	19		64	Free
3				
4				
5				
6				
7				
8				
9				
10				

Day Plan 3

Event	HR	MIN	ACT	Description
1				
2				
3				
4				
5				
6				
7				
8				
9				
10				

Actions

		Aux			Special Functions						
Action	Pattern	1	2	3	1	2	3	4	5	6	7	8
1	Pattern 1	.	.	.	.	.	.	.	.	.	.	.
2	Pattern 2	.	.	.	.	.	.	.	.	.	.	.
3	Pattern 3	.	.	.	.	.	.	.	.	.	.	.
4	Pattern 4	.	.	.	.	.	.	.	.	.	.	.
5	Pattern 5	.	.	.	.	.	.	.	.	.	.	.
6	Pattern 6	.	.	.	.	.	.	.	.	.	.	.
7	Pattern 7	.	.	.	.	.	.	.	.	.	.	.
8	Pattern 8	.	.	.	.	.	.	.	.	.	.	.
9	Pattern 9	.	.	.	.	.	.	.	.	.	.	.
10	Pattern 10	.	.	.	.	.	.	.	.	.	.	.
11	None	.	.	.	.	.	.	.	.	.	.	.
12	None	.	.	.	.	.	.	.	.	.	.	.
13	None	.	.	.	.	.	.	.	.	.	.	.
14	None	.	.	.	.	.	.	.	.	.	.	.
15	None	.	.	.	.	.	.	.	.	.	.	.
16	None	.	.	.	.	.	.	.	.	.	.	.
17	None	.	.	.	.	.	.	.	.	.	.	.
18	None	.	.	.	.	.	.	.	.	.	.	.
19	None	.	.	.	.	.	.	.	.	.	.	.
20	None	.	.	.	.	.	.	.	.	.	.	.
64	Free	.	.	.	.	.	.	.	.	.	.	.

Action Commands

Action	Command	Index
1	None	
2	None	
3	None	
4	None	
5	None	

Action	Command	Index
6	None	
7	None	
8	None	
9	None	
10	None	

Action	Command	Index
11	None	
12	None	
13	None	
14	None	
15	None	

Action	Command	Index
16	None	
17	None	
18	None	
19	None	
20	None	

Preempt Configuration

Preemption Configuration

Preempt	1	2	3	4	5	6
Enabled	Enabled	Disabled	Enabled	Enabled	Enabled	Enabled
Type	Rail Road	Rail Road	Emergency Veh	Emergency Veh	Emergency Veh	Emergency Veh
Description	BBS Flash					
Track Phase						
Track 2 Phases						
Track Overlap						
Track 2 Overlap						
Dwell Phase			2,5	4,7	1,6	3,8
Dwell Ped						
Dwell Overlap						
Cycling Phase						
Cycling Ped						
Cycling Overlap						
Exit Phase	2,6		2,6	4,8	2,6	4,8
Exit Overlaps						
Recovery Exit Omit						

Preemption Options

Preempt	1	2	3	4	5	6
Non Lock Mem	.	.	.	.	.	.
Not Overide Flash	.	.	.	.	.	.
Not Overide Next Preempt	.	.	.	.	.	.
Flash Dwell	.	.	.	.	.	.
Ped Recycle in Dwell Cycle	.	.	.	.	.	.
Immediate Ped Clear	.	.	.	.	.	.
Dwell Only Status Output	.	.	.	.	.	.
All Red Flash Dwell	X	.	.	.	.	.
Allow All Overlaps	.	.	.	.	.	.
Require All Red Entry	.	.	.	.	.	.
Require Gate Down Track Exit	.	.	.	.	.	.
Require Gate Up Dwell Exit	.	.	.	.	.	.
Use Normal On/Normal Off Input	.	.	.	.	.	.

Preemption Parameters

Preempt	1	2	3	4	5	6
Link						
Delay						
Min Duration						
Min Presence						
Max Presence			255	255	255	255
Max Presence Action	Terminate	Terminate	Terminate	Terminate	Terminate	Terminate
Enter Min Green						
Enter Yellow Change	25.5	25.5	25.5	25.5	25.5	25.5
Enter Red Clear	25.5	25.5	25.5	25.5	25.5	25.5
Enter Min Walk						
Enter Ped Clear			255	255	255	255
Track Green						
Track Yellow Change	25.5	25.5	25.5	25.5	25.5	25.5
Track Red Clear	25.5	25.5	25.5	25.5	25.5	25.5
Track 2 Green						
Track 2 Yellow	25.5	25.5	25.5	25.5	25.5	25.5
Track 2 Red	25.5	25.5	25.5	25.5	25.5	25.5
Track Ext. Gate Down						

Preempt Parameters

Preempt	1	2	3	4	5	6
Dwell Green			1	1	1	1
Exit Ped Clear	255	255	255	255	255	255
Exit Yellow Change	25.5	25.5	25.5	25.5	25.5	25.5
Exit Red Clear	25.5	25.5	25.5	25.5	25.5	25.5
Dwell Ext Time						
Max Exit Green						
Exit Type	Exit Phases	Exit Phases	Exit Phases	Exit Phases	Exit Phases	Exit Phases
Exit Max Mode	Disabled	Disabled	Disabled	Disabled	Disabled	Disabled
Exit Max Apply Time						
Veh Exit Calls						
Ped Exit Calls						

Advanced I/O Configuration

Channel Configuration

Ch	Control Type	Source
1	Phase Vehicle	1
2	Phase Vehicle	2
3	Phase Vehicle	3
4	Phase Vehicle	4
5	Phase Vehicle	5
6	Phase Vehicle	6
7	Phase Vehicle	7
8	Phase Vehicle	8

Ch	Control Type	Source
9	None	
10	None	
11	None	
12	None	
13	Phase Ped	2
14	Phase Ped	4
15	Phase Ped	6
16	Phase Ped	8

Concurrency Mode

Concurrency Mode
Auto

Auto Concurrency

Ch	Concurrency
1	5,6,15
2	5,6,13,15
3	7,8,16
4	7,8,14,16
5	13
6	13,15
7	14
8	14,16
9	
10	
11	
12	
13	15
14	16
15	
16	

Channel Options

Channel	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Flash Yellow	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Flash Red	X	X	X	X	X	X	X	X	.	.	.	.	.	.	.	.
Flash Alternate Half Hertz	X	.	.	X	X	.	.	X	.	.	.	.	.	.	.	.

Cabinet Configuration

IO Modules

IO Module	Type
1	Caltrans 332

Input Points

Input	C1 Pin	Input Type	Idx
1	C1-39	Vehicle Det Call	2
2	C1-40	Vehicle Det Call	16
3	C1-41	Vehicle Det Call	8
4	C1-42	Vehicle Det Call	22
5	C1-43	Vehicle Det Call	3
6	C1-44	Vehicle Det Call	17
7	C1-45	Vehicle Det Call	9
8	C1-46	Vehicle Det Call	23
9	C1-47	Vehicle Det Call	6
10	C1-48	Vehicle Det Call	20
11	C1-49	Vehicle Det Call	12
12	C1-50	Vehicle Det Call	26
13	C1-51	Preempt Input	1
14	C1-52	Preempt Input	2
15	C1-53	Unit Manual Control Enable	1
16	C1-54	Not Active	

Input	C1 Pin	Input Type	Idx
17	C1-55	Vehicle Det Call	15
18	C1-56	Vehicle Det Call	1
19	C1-57	Vehicle Det Call	21
20	C1-58	Vehicle Det Call	7
21	C1-59	Vehicle Det Call	27
22	C1-60	Vehicle Det Call	13
23	C1-61	Vehicle Det Call	28
24	C1-62	Vehicle Det Call	14
25	C11-10	Not Active	
26	C11-11	Not Active	
27	C11-12	Not Active	
28	C11-13	Not Active	
29	C1-63	Vehicle Det Call	4
30	C1-64	Vehicle Det Call	18
31	C1-65	Vehicle Det Call	10
32	C1-66	Vehicle Det Call	24

Input	C1 Pin	Input Type	Idx
33	C1-67	Ped Det Call	2
34	C1-68	Ped Det Call	6
35	C1-69	Ped Det Call	4
36	C1-70	Ped Det Call	8
37	C1-71	Preempt Input	3
38	C1-72	Preempt Input	4
39	C1-73	Preempt Input	5
40	C1-74	Preempt Input	6
41	C1-75	Not Active	
42	C1-76	Vehicle Det Call	5
43	C1-77	Vehicle Det Call	19
44	C1-78	Vehicle Det Call	11
45	C1-79	Vehicle Det Call	25
46	C1-80	Unit Interval Advance	1
47	C1-81	Unit Local Flash Sense	1
48	C1-82	Unit Stop Time	1

Input	C1 Pin	Input Type	Idx
49	C11-15	Not Active	
50	C11-16	Not Active	
51	C11-17	Not Active	
52	C11-18	Not Active	
53	C11-19	Not Active	
54	C11-20	Not Active	
55	C11-21	Not Active	
56	C11-22	Not Active	
57	C11-23	Not Active	
58	C11-24	Not Active	
59	C11-25	Not Active	
60	C11-26	Not Active	
61	C11-27	Not Active	
62	C11-28	Not Active	
63	C11-29	Not Active	
64	C11-30	Not Active	

Cabinet Configuration

Output Points

Output	C1 Pin	Output Type	Idx
1	C1-2	Channel Red Do Not Walk Driver	14
2	C1-3	Channel Green Walk Driver	14
3	C1-4	Channel Red Do Not Walk Driver	4
4	C1-5	Channel Yellow Ped Clear Driver	4
5	C1-6	Channel Green Walk Driver	4
6	C1-7	Channel Red Do Not Walk Driver	3
7	C1-8	Channel Yellow Ped Clear Driver	3
8	C1-9	Channel Green Walk Driver	3
9	C1-10	Channel Red Do Not Walk Driver	13
10	C1-11	Channel Green Walk Driver	13
11	C1-12	Channel Red Do Not Walk Driver	2
12	C1-13	Channel Yellow Ped Clear Driver	2
13	C1-15	Channel Green Walk Driver	2
14	C1-16	Channel Red Do Not Walk Driver	1
15	C1-17	Channel Yellow Ped Clear Driver	1
16	C1-18	Channel Green Walk Driver	1
17	C1-19	Channel Red Do Not Walk Driver	16
18	C1-20	Channel Green Walk Driver	16
19	C1-21	Channel Red Do Not Walk Driver	8
20	C1-22	Channel Yellow Ped Clear Driver	8
21	C1-23	Channel Green Walk Driver	8
22	C1-24	Channel Red Do Not Walk Driver	7
23	C1-25	Channel Yellow Ped Clear Driver	7
24	C1-26	Channel Green Walk Driver	7
25	C1-27	Channel Red Do Not Walk Driver	15
26	C1-28	Channel Green Walk Driver	15
27	C1-29	Channel Red Do Not Walk Driver	6
28	C1-30	Channel Yellow Ped Clear Driver	6
29	C1-31	Channel Green Walk Driver	6
30	C1-32	Channel Red Do Not Walk Driver	5
31	C1-33	Channel Yellow Ped Clear Driver	5
32	C1-34	Channel Green Walk Driver	5

Output	C1 Pin	Output Type	Idx
33	C1-35	Channel Yellow Ped Clear Driver	13
34	C1-36	Channel Yellow Ped Clear Driver	15
35	C1-37	Channel Yellow Ped Clear Driver	14
36	C1-38	Channel Yellow Ped Clear Driver	16
37	C1-100	Channel Yellow Ped Clear Driver	18
38	C1-101	Channel Yellow Ped Clear Driver	11
39	C1-102	Detector Reset	1
40	C1-103	Watchdog	
41	C1-83	Channel Red Do Not Walk Driver	18
42	C1-84	Channel Green Walk Driver	18
43	C1-85	Channel Red Do Not Walk Driver	17
44	C1-86	Channel Yellow Ped Clear Driver	17
45	C1-87	Channel Green Walk Driver	17
46	C1-88	Channel Red Do Not Walk Driver	12
47	C1-89	Channel Yellow Ped Clear Driver	12
48	C1-90	Channel Green Walk Driver	12
49	C1-91	Channel Red Do Not Walk Driver	11
50	C1-93	Channel Green Walk Driver	11
51	C1-94	Channel Red Do Not Walk Driver	10
52	C1-95	Channel Yellow Ped Clear Driver	10
53	C1-96	Channel Green Walk Driver	10
54	C1-97	Channel Red Do Not Walk Driver	9
55	C1-98	Channel Yellow Ped Clear Driver	9
56	C1-99	Channel Green Walk Driver	9
57	C11-1	Not Active	
58	C11-2	Not Active	
59	C11-3	Not Active	
60	C11-4	Not Active	
61	C11-5	Not Active	
62	C11-6	Not Active	
63	C11-7	Not Active	
64	C11-8	Not Active	

User Programs

Program 1

Enabled

Line	Result	Idx	Operation	Parameter A	Idx	Parameter B	Idx	Dly	Ext	Description
1	Unit Stop Time	1	Result=A	Aux Switch State						
2										
3										
4										
5										
6										
7										
8										
9										
10										
11										
12										
13										
14										
15										
16										
17										
18										
19										
20										
21										
22										
23										
24										
25										
26										
27										
28										
29										
30										
31										
32										
33										
34										
35										
36										
37										
38										
39										
40										

INTELIGHT

City of San Marcos

San Marcos @ Grand

Phase Timing and Options

Unit Information

Controller Number	5
Software	Intelight MAXTIME 2.X
Main Street	San Marcos
Side Street	Grand
IP Address	

Unit Parameters

Extended Mode	Disable
Startup Flash	0
Auto Ped Clear	Enable
Red Revert	6.0
Backup Time	600
Startup All Red	6
Man. Control Seq.	1
MCE Enable	Enable
Start Yel. Override	0.0
Start Red Override	0.0
Free Sequence	9
All Red Flash Exit	6
Local CVM Fash	Disable
All Red Flash Sns	Disable
All Dark Flash Sns	Disable

Phase Timing

Phase	1	2	3	4	5	6	7	8
Description	EB Left	WB	NB Left	SB	WB Left	EB	SB Left	NB
Walk		5		5		5		5
Ped Clear		27		33		24		10
Steady Don't Walk								
Min Green	7	15	10	10	7	15	9	10
Min Green 2								
Passage	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
Passage 2								
Max Green 1	40	60	30	30	30	45	40	30
Max Green 2								
Yellow Change	4.5	4.5	4.0	4.5	4.5	4.5	4.5	4.0
Red Clear	2.0	2.5	3.0	2.5	2.5	2.0	2.5	3.0
Added Initial		2.5				2.5		
Maximum Initial		20				20		
Time B4 Reduction								
Cars B4 Reduction								
Time To Reduce								
Reduce By								
Minimum Gap								
Advance Walk								
Delayed Ped								

Phase Options

Phase	1	2	3	4	5	6	7	8
Enable	X	X	X	X	X	X	X	X
Auto Flash Entry	.	.	.	X	.	.	.	X
Auto Flash Exit	.	X	.	.	.	X	.	.
Non Lock Detector	X	X	X	X	X	X	X	X
Min Vehicle Recall	.	.	.	.	.	.	.	.
Max Vehicle Recall	.	.	.	.	.	.	.	.
Ped Recall	.	.	.	.	.	X	.	X
Soft Vehicle Recall	.	X	.	.	.	X	.	.
Dual Entry	.	.	X	.	.	.	.	X
Sim. Gap Disable	.	.	.	.	.	.	.	.
Actuated Rest in Walk	.	.	.	.	.	.	.	.
Conditional Svc Enable	.	.	.	.	.	.	.	.
Add Initial Calculation	.	.	.	.	.	.	.	.
Ped Clear During Yellow	.	.	.	.	.	.	.	.
Ped Clear During Red Clr	.	.	.	.	.	.	.	.
Yellow Min Override	.	.	.	.	.	.	.	.
No Startup Call	.	.	.	.	.	.	.	.
No Ped Startup Call	.	.	.	.	.	.	.	.
Min Green 2	.	.	.	.	.	.	.	.
Max Green 2	.	.	.	.	.	.	.	.
Red Rest	.	.	.	.	.	.	.	.
Ped Recycle	.	X	.	X	.	X	.	X

Phase Configuration

Phase	Startup	Description
1	Phase Not On	EB Left
2	Green No Walk	WB
3	Phase Not On	NB Left
4	Phase Not On	SB
5	Phase Not On	WB Left
6	Green No Walk	EB
7	Phase Not On	SB Left
8	Phase Not On	NB

Global Phase Recalls

Phase	1	2	3	4	5	6	7	8
Min	.	.	.	.	.	.	.	.
Max	.	.	.	.	.	.	.	.
Ped	.	.	.	.	.	.	.	.

Notes

SAN MARCOS
DISCOVER LIFE'S POSSIBILITIES

Printed on: 3/25/2021

Sequences

Sequence 1

Ring	Sequence
1	1,2,a,3,4,b
2	5,6,a,7,8,b
3	
4	

Sequence 2

Ring	Sequence
1	2,1,a,3,4,b
2	5,6,a,7,8,b
3	
4	

Sequence 3

Ring	Sequence
1	1,2,a,4,3,b
2	5,6,a,7,8,b
3	
4	

Sequence 4

Ring	Sequence
1	2,1,a,4,3,b
2	5,6,a,7,8,b
3	
4	

Sequence 5

Ring	Sequence
1	1,2,a,3,4,b
2	5,6,a,7,8,b
3	
4	

Sequence 6

Ring	Sequence
1	1,2,a,3,4,b
2	5,6,a,7,8,b
3	
4	

Sequence 7

Ring	Sequence
1	1,2,a,4,3,b
2	6,5,a,7,8,b
3	
4	

Sequence 8

Ring	Sequence
1	2,1,a,4,3,b
2	6,5,a,7,8,b
3	
4	

Sequence 9

Ring	Sequence
1	1,2,a,3,4,b
2	5,6,a,8,7,b
3	
4	

Sequence 10

Ring	Sequence
1	2,1,a,3,4,b
2	5,6,a,8,7,b
3	
4	

Sequence 11

Ring	Sequence
1	1,2,a,4,3,b
2	5,6,a,8,7,b
3	
4	

Sequence 12

Ring	Sequence
1	2,1,a,4,3,b
2	5,6,a,8,7,b
3	
4	

Sequence 13

Ring	Sequence
1	1,2,a,3,4,b
2	6,5,a,8,7,b
3	
4	

Sequence 14

Ring	Sequence
1	2,1,a,3,4,b
2	6,5,a,8,7,b
3	
4	

Sequence 15

Ring	Sequence
1	1,2,a,4,3,b
2	6,5,a,8,7,b
3	
4	

Sequence 16

Ring	Sequence
1	2,1,a,4,3,b
2	6,5,a,8,7,b
3	
4	

Overlaps

Standard Overlaps

Overlap	1	2	3	4	5	6
Enabled	Enabled	Enabled	Enabled	Enabled	Enabled	Enabled
Description	SB Left	SB	NB Left	NB	EB Right	
Type	Normal	Normal	Normal	Normal	Normal	Normal
Included Phs	1,7	4,6	3	2,8	3	8
Modifier Phs						
Negative Phs						
Negative Ovlp						
Negative Ped						
Green Suppr						
Trail Green	2					
Trail Yellow	3.2	4.3	3.2	4.3	4.3	4.3
Trail Red	1.0	1.0	1.0	1.0	1.0	1.0
Walk						
Ped Clear						
Delay						
Startup Call	.	.	.	.	.	.
Recall	.	.	.	.	.	.
Call for Svc	.	.	.	.	.	.

Backup Prevention / No Serve Phases

Sequence 1

Backup Protection Plan

Serve Phase	Backup phase 1	2	3	4	5	6	7	8
1	.	.	.	.	.	.	.	.
2	.	.	.	.	.	.	.	.
3	.	.	.	.	.	.	.	.
4	.	.	.	.	.	.	.	.
5	.	.	.	.	.	.	.	.
6	.	.	.	.	.	.	.	.
7	.	.	.	.	.	.	.	.
8	.	.	.	.	.	.	.	.
Thru Red	No							

Call Phs

Ph	Call Ph
1	
2	
3	
4	
5	
6	
7	
8	

No Serve

Ph	No Srv
1	
2	
3	7
4	
5	
6	
7	
8	

Sequence 2

Backup Protection Plan

Serve Phase	Backup phase 1	2	3	4	5	6	7	8
1	.	.	.	.	.	.	.	.
2	.	.	.	.	.	.	.	.
3	.	.	.	.	.	.	.	.
4	.	.	.	.	.	.	.	.
5	.	.	.	.	.	.	.	.
6	.	.	.	.	.	.	.	.
7	.	.	.	.	.	.	.	.
8	.	.	.	.	.	.	.	.
Thru Red	No							

Call Phs

Ph	Call Ph
1	
2	
3	
4	
5	
6	
7	
8	

No Serve

Ph	No Srv
1	
2	
3	7
4	
5	
6	
7	
8	

Sequence 3

Backup Protection Plan

Serve Phase	Backup phase 1	2	3	4	5	6	7	8
1	.	.	.	.	.	.	.	.
2	.	.	.	.	.	.	.	.
3	.	.	.	.	.	.	.	.
4	.	.	.	.	.	.	.	.
5	.	.	.	.	.	.	.	.
6	.	.	.	.	.	.	.	.
7	.	.	.	.	.	.	.	.
8	.	.	.	.	.	.	.	.
Thru Red	No							

Call Phs

Ph	Call Ph
1	
2	
3	
4	
5	
6	
7	
8	

No Serve

Ph	No Srv
1	
2	
3	7
4	
5	
6	
7	
8	

Sequence 4

Backup Protection Plan

Serve Phase	Backup phase 1	2	3	4	5	6	7	8
1	.	.	.	.	.	.	.	.
2	.	.	.	.	.	.	.	.
3	.	.	.	.	.	.	.	.
4	.	.	.	.	.	.	.	.
5	.	.	.	.	.	.	.	.
6	.	.	.	.	.	.	.	.
7	.	.	.	.	.	.	.	.
8	.	.	.	.	.	.	.	.
Thru Red	No							

Call Phs

Ph	Call Ph
1	
2	
3	
4	
5	
6	
7	
8	

No Serve

Ph	No Srv
1	
2	
3	7
4	
5	
6	
7	
8	

Sequence 5

Backup Protection Plan

Serve Phase	Backup phase 1	2	3	4	5	6	7	8
1	.	.	.	.	.	.	.	.
2	.	.	.	.	.	.	.	.
3	.	.	.	.	.	.	.	.
4	.	.	.	.	.	.	.	.
5	.	.	.	.	.	.	.	.
6	.	.	.	.	.	.	.	.
7	.	.	.	.	.	.	.	.
8	.	.	.	.	.	.	.	.
Thru Red	No							

Call Phs

Ph	Call Ph
1	
2	
3	
4	
5	
6	
7	
8	

No Serve

Ph	No Srv
1	
2	
3	7
4	
5	
6	
7	
8	

Sequence 6

Backup Protection Plan

Serve Phase	Backup phase 1	2	3	4	5	6	7	8
1	.	.	.	.	.	.	.	.
2	.	.	.	.	.	.	.	.
3	.	.	.	.	.	.	.	.
4	.	.	.	.	.	.	.	.
5	.	.	.	.	.	.	.	.
6	.	.	.	.	.	.	.	.
7	.	.	.	.	.	.	.	.
8	.	.	.	.	.	.	.	.
Thru Red	No							

Call Phs

Ph	Call Ph
1	
2	
3	
4	
5	
6	
7	
8	

No Serve

Ph	No Srv
1	
2	
3	7
4	
5	
6	
7	
8	

Sequence 7

Backup Protection Plan

Serve Phase	Backup phase 1	2	3	4	5	6	7	8
1	.	.	.	.	.	.	.	.
2	.	.	.	.	.	.	.	.
3	.	.	.	.	.	.	.	.
4	.	.	.	.	.	.	.	.
5	.	.	.	.	.	.	.	.
6	.	.	.	.	.	.	.	.
7	.	.	.	.	.	.	.	.
8	.	.	.	.	.	.	.	.
Thru Red	No							

Call Phs

Ph	Call Ph
1	
2	
3	
4	
5	
6	
7	
8	

No Serve

Ph	No Srv
1	
2	
3	7
4	
5	
6	
7	
8	

Sequence 8

Backup Protection Plan

Serve Phase	Backup phase 1	2	3	4	5	6	7	8
1	.	.	.	.	.	.	.	.
2	.	.	.	.	.	.	.	.
3	.	.	.	.	.	.	.	.
4	.	.	.	.	.	.	.	.
5	.	.	.	.	.	.	.	.
6	.	.	.	.	.	.	.	.
7	.	.	.	.	.	.	.	.
8	.	.	.	.	.	.	.	.
Thru Red	No							

Call Phs

Ph	Call Ph
1	
2	
3	
4	
5	
6	
7	
8	

No Serve

Ph	No Srv
1	
2	
3	7
4	
5	
6	
7	
8	

Sequence 9

Backup Protection Plan

Serve Phase	Backup phase 1	2	3	4	5	6	7	8
1	.	.	.	.	.	.	.	.
2	.	.	.	.	.	.	.	.
3	.	.	.	.	.	.	.	.
4	.	.	.	.	.	.	.	.
5	.	.	.	.	.	.	.	.
6	.	.	.	.	.	.	.	.
7	.	.	.	.	.	.	.	.
8	.	.	.	.	.	.	.	.
Thru Red	No							

Call Phs

Ph	Call Ph
1	
2	
3	
4	
5	
6	
7	
8	

No Serve

Ph	No Srv
1	
2	
3	7
4	
5	
6	
7	
8	

Detector Configuration

Vehicle Detectors

Detector	Slot	C1 Pin Number	Call Phas	Call O/L	Addtnl Call PH	Switch Phase	Delay	Extend	Queue Limit	No Activity	Max Pres.	Erratic Count	Fail Time	Failed Recall	Description
1	I-1	C1-56	1					5.0						None	
2	I-2U	C1-39	2											None	
3	I-2L	C1-43	2											None	
4	I-3U	C1-63												None	
5	I-3L	C1-76	2											None	
6	I-4	C1-47	2						20					None	
7	I-5	C1-58	3											None	
8	I-6U	C1-41	4				8.0							None	
9	I-6L	C1-45	4											None	
10	I-7U	C1-65	4											None	
11	I-7L	C1-78	4											None	
12	I-8	C1-49	4											None	
13	I-9U	C1-60	1											None	
14	I-9L	C1-62	3											None	
15	J-1	C1-55	5											None	
16	J-2U	C1-40	6											None	
17	J-2L	C1-44	6					1.0						None	
18	J-3U	C1-64	6					1.0						None	
19	J-3L	C1-77	6											None	
20	J-4	C1-48	6						20					None	
21	J-5	C1-57	7		4									None	
22	J-6U	C1-42	8											None	
23	J-6L	C1-46	8											None	
24	J-7U	C1-66												None	
25	J-7L	C1-79												None	
26	J-8	C1-50	8					1.0						None	
27	J-9U	C1-59												None	
28	J-9L	C1-61	**1**											None	

Pedestrian Detectors

Detector	Slot	C1 Pin Number	Call PH	Call O/L	Addtnl Call PH	No Act	Max Pres	Erratic Count
1	-------	-------						
2	I-12U	C1-67	2					
3	-------	-------						
4	I-12L	C1-69	4					
5	-------	-------						
6	I-13U	C1-68	6					
7	-------	-------						
8	I-13L	C1-70	8					

Global Vehicle Detector Parameters

Global No Activity	
Global Max Presence	5
Global Erratic Count	45
Global Failed Recall	Max Recall
Detector Reset Enable	Enabled

Global Ped Detector Parameters

Global No Activity	
Global Max Pres.	5
Global Erratic Ct	

Vehicle Detection Options

Detector	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
Volume	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Occupancy	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Yellow Lock Call	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Red Lock Call	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Extend	X	X	X	X	X	**X**	X	X	X	X	X	**X**	X	X	X	X	X	X	X	**X**	X	X	X	X	X	**X**	X	X
Added Initial	X	X	X	**.**	X	.	X	X	X	X	X	.	X	X	X	X	X	X	X	.	X	X	X	**.**	**.**	**X**	**.**	X
Queue	.	.	.	.	.	X	.	.	.	.	.	X	.	.	.	.	.	.	.	X	.	.	.	.	.	**.**	.	.
Call	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Min Green 2	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Passage 2	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.

Coordination Configuration

Coordination Parameters

Operational Mode	Automatic
Coord Mode	Full Permissive
Maximum Mode	Per Pattern
Force Mode	Per Pattern
Correction Mode	Shortway (Auto)
Max Cyc Limit %	25
Min Cyc Limit %	25
Max Dwell	0
Trans. Cover Ped	Pattern

Patterns

Patt.	Cycle	Offset 1	Split	Seq	Reference	Coord Mode	FO Mode	Max Mode	Phs Pln	Det Pln	Ped Pln	OL Pln	Description
1	120	30	1	9	Yellow	Auto Permissive	Fixed	Max Inhibit	1	1	1	1	
2	120	54	2	9	Yellow	Auto Permissive	Fixed	Max Inhibit	1	1	1	1	
3					Yellow	Auto Permissive	Fixed	Max Inhibit	1	1	1	1	
4	150	32	4	13	Yellow	Full Permissive	Fixed	Max Inhibit	1	1	1	1	
5	130	11	5	10	Yellow	Auto Permissive	Fixed	Max Inhibit	1	1	1	1	
6					Yellow	Auto Permissive	Fixed	Max Inhibit	1	1	1	1	
7					Yellow	Auto Permissive	Fixed	Max Inhibit	1	1	1	1	
8					Yellow	Auto Permissive	Fixed	Max Inhibit	1	1	1	1	
9					Yellow	Auto Permissive	Fixed	Max Inhibit	1	1	1	1	

Split Parameters

Split 1

PH.	Time	Min	Max	Coord Phase	Ref Phase	FO Mode	Mode
1	15			.	.	Fixed	None
2	42			X	X	Fixed	None
3	17			.	.	Fixed	None
4	46			.	.	Fixed	None
5	15			.	.	Fixed	None
6	42			X	.	Fixed	None
7	20			.	.	Fixed	None
8	43			.	.	Fixed	None

Split 2

PH.	Time	Min	Max	Coord Phase	Ref Phase	FO Mode	Mode
1	23			.	.	Fixed	None
2	40			X	X	Fixed	None
3	17			.	.	Fixed	None
4	40			.	.	Fixed	None
5	18			.	.	Fixed	None
6	45			X	.	Fixed	None
7	27			.	.	Fixed	None
8	30			.	.	Fixed	None

Split 3

PH.	Time	Min	Max	Coord Phase	Ref Phase	FO Mode	Mode
1				.	.	Fixed	None
2				.	.	Fixed	None
3				.	.	Fixed	None
4				.	.	Fixed	None
5				.	.	Fixed	None
6				.	.	Fixed	None
7				.	.	Fixed	None
8				.	.	Fixed	None

Split 4

PH.	Time	Min	Max	Coord Phase	Ref Phase	FO Mode	Mode
1	26			.	.	Fixed	None
2	43			X	.	Fixed	None
3	18			.	.	Fixed	None
4	45			.	.	Fixed	None
5	18			.	.	Fixed	None
6	69			X	X	Fixed	None
7	42			.	.	Fixed	None
8	21			.	.	Fixed	None

Split 5

PH.	Time	Min	Max	Coord Phase	Ref Phase	FO Mode	Mode
1	20			.	.	Fixed	None
2	46			X	X	Fixed	None
3	17			.	.	Fixed	None
4	47			.	.	Fixed	None
5	15			.	.	Fixed	None
6	51			X	.	Fixed	None
7	26			.	.	Fixed	None
8	38			.	.	Fixed	None

Split 6

PH.	Time	Min	Max	Coord Phase	Ref Phase	FO Mode	Mode
1				.	.	Fixed	None
2				.	.	Fixed	None
3				.	.	Fixed	None
4				.	.	Fixed	None
5				.	.	Fixed	None
6				.	.	Fixed	None
7				.	.	Fixed	None
8				.	.	Fixed	None

Split 7

PH.	Time	Min	Max	Coord Phase	Ref Phase	FO Mode	Mode
1				.	.	Fixed	None
2				.	.	Fixed	None
3				.	.	Fixed	None
4				.	.	Fixed	None
5				.	.	Fixed	None
6				.	.	Fixed	None
7				.	.	Fixed	None
8				.	.	Fixed	None

Split 8

PH.	Time	Min	Max	Coord Phase	Ref Phase	FO Mode	Mode
1				.	.	Fixed	None
2				.	.	Fixed	None
3				.	.	Fixed	None
4				.	.	Fixed	None
5				.	.	Fixed	None
6				.	.	Fixed	None
7				.	.	Fixed	None
8				.	.	Fixed	None

Split 9

PH.	Time	Min	Max	Coord Phase	Ref Phase	FO Mode	Mode
1				.	.	Fixed	None
2				.	.	Fixed	None
3				.	.	Fixed	None
4				.	.	Fixed	None
5				.	.	Fixed	None
6				.	.	Fixed	None
7				.	.	Fixed	None
8				.	.	Fixed	None

Advanced Coord Options

Pattern	1	2	3	4	5	6	7	8	9
Ring Plan									
Allow Split Underrun	.	.	.	X	.	.	.	.	.
Allow Split Overrun	.	.	.	.	.	.	.	.	.
Allow No Coord Phase	.	.	.	.	.	.	.	.	.
Coord Now	.	.	.	.	.	.	.	.	.

Ring Plans

Ring Plan 1

Ring	Offset	Early Gap
1		
2		
3		
4		

Ring Plan 2

Ring	Offset	Early Gap
1		
2		
3		
4		

Ring Plan 3

Ring	Offset	Early Gap
1		
2		
3		
4		

Ring Plan 4

Ring	Offset	Early Gap
1		
2		
3		
4		

Ring Plan 5

Ring	Offset	Early Gap
1		
2		
3		
4		

Ring Plan 6

Ring	Offset	Early Gap
1		
2		
3		
4		

Ring Plan 7

Ring	Offset	Early Gap
1		
2		
3		
4		

Ring Plan 8

Ring	Offset	Early Gap
1		
2		
3		
4		

Ring Plan 9

Ring	Offset	Early Gap
1		
2		
3		
4		

Scheduler Configuration

Schedule 1

Status	Enabled

Month of Year											
J	F	M	A	M	J	J	A	S	O	N	D
X	X	X	X	X	X	X	X	X	X	X	X

Description	Weekday

Days of Week						
S	M	T	W	T	F	S
.	X	X	X	X	X	.

Day Plan	1

Days of Month																														
									1												2									3
1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1
X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X

Schedule 2

Status	Enabled

Month of Year											
J	F	M	A	M	J	J	A	S	O	N	D
X	X	X	X	X	X	X	X	X	X	X	X

Description	Weekend

Days of Week						
S	M	T	W	T	F	S
X	.	.	.	.	.	X

Day Plan	2

Days of Month																														
									1												2									3
1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1
X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X

Schedule 3

Status	Disabled

Month of Year											
J	F	M	A	M	J	J	A	S	O	N	D
.	.	.	.	.	.	.	.	.	.	.	.

Description	

Days of Week						
S	M	T	W	T	F	S
.	.	.	.	.	.	.

Day Plan	0

Days of Month																														
									1												2									3
1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1
.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.

Day Plans

Day Plan 1

Event	HR	MIN	ACT	Description
1	6	30	1	
2	9		2	
3	14		4	
4	19		2	
5	21		64	Free
6				
7				
8				
9				
10				

Day Plan 2

Event	HR	MIN	ACT	Description
1	8		2	
2	19		64	Free
3				
4				
5				
6				
7				
8				
9				
10				

Day Plan 3

Event	HR	MIN	ACT	Description
1				
2				
3				
4				
5				
6				
7				
8				
9				
10				

Action Commands

Action	Command	Index
1	None	
2	None	
3	None	
4	None	
5	None	

Action	Command	Index
6	None	
7	None	
8	None	
9	None	
10	None	

Action	Command	Index
11	None	
12	None	
13	None	
14	None	
15	None	

Action	Command	Index
16	None	
17	None	
18	None	
19	None	
20	None	

Actions

		Aux			Special Functions						
Action	Pattern	1	2	3	1	2	3	4	5	6	7	8
1	Pattern 1	.	.	.	.	.	.	.	.	.	.	.
2	Pattern 2	.	.	.	.	.	.	.	.	.	.	.
3	Pattern 3	.	.	.	.	.	.	.	.	.	.	.
4	Pattern 4	.	.	.	.	.	.	.	.	.	.	.
5	Pattern 5	.	.	.	.	.	.	.	.	.	.	.
6	Pattern 6	.	.	.	.	.	.	.	.	.	.	.
7	Pattern 7	.	.	.	.	.	.	.	.	.	.	.
8	Pattern 8	.	.	.	.	.	.	.	.	.	.	.
9	Pattern 9	.	.	.	.	.	.	.	.	.	.	.
10	Pattern 10	.	.	.	.	.	.	.	.	.	.	.
11	None	.	.	.	.	.	.	.	.	.	.	.
12	None	.	.	.	.	.	.	.	.	.	.	.
13	None	.	.	.	.	.	.	.	.	.	.	.
14	None	.	.	.	.	.	.	.	.	.	.	.
15	None	.	.	.	.	.	.	.	.	.	.	.
16	None	.	.	.	.	.	.	.	.	.	.	.
17	None	.	.	.	.	.	.	.	.	.	.	.
18	None	.	.	.	.	.	.	.	.	.	.	.
19	None	.	.	.	.	.	.	.	.	.	.	.
20	None	.	.	.	.	.	.	.	.	.	.	.
64	Free	.	.	.	.	.	.	.	.	.	.	.

Preempt Configuration

Preemption Configuration

Preempt	1	2	3	4	5	6
Enabled	Enabled	Disabled	Enabled	Enabled	Enabled	Enabled
Type	Rail Road	Rail Road	Emergency Veh	Emergency Veh	Emergency Veh	Emergency Veh
Description	BBS Flash					
Track Phase						
Track 2 Phases						
Track Overlap						
Track 2 Overlap						
Dwell Phase			2,5	4,7	1,6	3,8
Dwell Ped						
Dwell Overlap						
Cycling Phase						
Cycling Ped						
Cycling Overlap						
Exit Phase			2,6	4,8	2,6	4,8
Exit Overlaps						
Recovery Exit Omit						

Preemption Options

Preempt	1	2	3	4	5	6
Non Lock Mem	.	.	.	.	.	.
Not Overide Flash	.	.	.	.	.	.
Not Overide Next Preempt	.	.	.	.	.	.
Flash Dwell	.	.	.	.	.	.
Ped Recycle in Dwell Cycle	.	.	.	.	.	.
Immediate Ped Clear	.	.	.	.	.	.
Dwell Only Status Output	.	.	.	.	.	.
All Red Flash Dwell	X	.	.	.	.	.
Allow All Overlaps	.	.	.	.	.	.
Require All Red Entry	.	.	.	.	.	.
Require Gate Down Track Exit	.	.	.	.	.	.
Require Gate Up Dwell Exit	.	.	.	.	.	.
Use Normal On/Normal Off Input	.	.	.	.	.	.

Preemption Parameters

Preempt	1	2	3	4	5	6
Link						
Delay						
Min Duration						
Min Presence						
Max Presence			255	255	255	255
Max Presence Action	Terminate	Terminate	Terminate	Terminate	Terminate	Terminate
Enter Min Green						
Enter Yellow Change	25.5	25.5	25.5	25.5	25.5	25.5
Enter Red Clear	25.5	25.5	25.5	25.5	25.5	25.5
Enter Min Walk						
Enter Ped Clear			255	255	255	255
Track Green						
Track Yellow Change	25.5	25.5	25.5	25.5	25.5	25.5
Track Red Clear	25.5	25.5	25.5	25.5	25.5	25.5
Track 2 Green						
Track 2 Yellow	25.5	25.5	25.5	25.5	25.5	25.5
Track 2 Red	25.5	25.5	25.5	25.5	25.5	25.5
Track Ext. Gate Down						

Preempt Parameters

Preempt	1	2	3	4	5	6
Dwell Green			1	1	1	1
Exit Ped Clear	255	255	255	255	255	255
Exit Yellow Change	25.5	25.5	25.5	25.5	25.5	25.5
Exit Red Clear	25.5	25.5	25.5	25.5	25.5	25.5
Dwell Ext Time						
Max Exit Green						
Exit Type	Exit Phases	Exit Phases	Exit Phases	Exit Phases	Exit Phases	Exit Phases
Exit Max Mode	Disabled	Disabled	Disabled	Disabled	Disabled	Disabled
Exit Max Apply Time						
Veh Exit Calls						
Ped Exit Calls						

Advanced I/O Configuration

Channel Configuration

Ch	Control Type	Source
1	Phase Vehicle	1
2	Phase Vehicle	2
3	**Overlap**	5
4	Phase Vehicle	4
5	Phase Vehicle	5
6	Phase Vehicle	6
7	Phase Vehicle	7
8	**Overlap**	6

Ch	Control Type	Source
9	Overlap	1
10	Overlap	2
11	Overlap	3
12	Overlap	4
13	Phase Ped	2
14	Phase Ped	4
15	Phase Ped	6
16	Phase Ped	8

Concurrency Mode

Concurrency Mode
Auto

Auto Concurrency

Ch	Concurrency
1	5,6,9,10,15
2	5,6,10,12,13,15
3	
4	7,8,9,10,12,14,16
5	9,12,13
6	9,10,12,13,15
7	9,10,14
8	12,14,15
9	14,15
10	13,16
11	16
12	14,15
13	15
14	16
15	
16	

Channel Options

Channel	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Flash Yellow	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Flash Red	X	X	X	X	X	X	X	X	X	X	X	X	.	.	.	.
Flash Alternate Half Hertz	X	.	.	X	X	.	.	X	.	.	.	.	.	.	.	.

Cabinet Configuration

IO Modules

IO Module	Type
1	Caltrans 332

Input Points

Input	C1 Pin	Input Type	Idx
1	C1-39	Vehicle Det Call	2
2	C1-40	Vehicle Det Call	16
3	C1-41	Vehicle Det Call	8
4	C1-42	Vehicle Det Call	22
5	C1-43	Vehicle Det Call	3
6	C1-44	Vehicle Det Call	17
7	C1-45	Vehicle Det Call	9
8	C1-46	Vehicle Det Call	23
9	C1-47	Vehicle Det Call	6
10	C1-48	Vehicle Det Call	20
11	C1-49	Vehicle Det Call	12
12	C1-50	Vehicle Det Call	26
13	C1-51	Preempt Input	1
14	C1-52	Preempt Input	2
15	C1-53	Unit Manual Control Enable	1
16	C1-54	Not Active	

Input	C1 Pin	Input Type	Idx
17	C1-55	Vehicle Det Call	15
18	C1-56	Vehicle Det Call	1
19	C1-57	Vehicle Det Call	21
20	C1-58	Vehicle Det Call	7
21	C1-59	Vehicle Det Call	27
22	C1-60	Vehicle Det Call	13
23	C1-61	Vehicle Det Call	28
24	C1-62	Vehicle Det Call	14
25	C11-10	Not Active	
26	C11-11	Not Active	
27	C11-12	Not Active	
28	C11-13	Not Active	
29	C1-63	Vehicle Det Call	4
30	C1-64	Vehicle Det Call	18
31	C1-65	Vehicle Det Call	10
32	C1-66	Vehicle Det Call	24

Input	C1 Pin	Input Type	Idx
33	C1-67	Ped Det Call	2
34	C1-68	Ped Det Call	6
35	C1-69	Ped Det Call	4
36	C1-70	Ped Det Call	8
37	C1-71	Preempt Input	3
38	C1-72	Preempt Input	4
39	C1-73	Preempt Input	5
40	C1-74	Preempt Input	6
41	C1-75	Not Active	
42	C1-76	Vehicle Det Call	5
43	C1-77	Vehicle Det Call	19
44	C1-78	Vehicle Det Call	11
45	C1-79	Vehicle Det Call	25
46	C1-80	Unit Interval Advance	1
47	C1-81	Unit Local Flash Sense	1
48	C1-82	Unit Stop Time	1

Input	C1 Pin	Input Type	Idx
49	C11-15	Not Active	
50	C11-16	Not Active	
51	C11-17	Not Active	
52	C11-18	Not Active	
53	C11-19	Not Active	
54	C11-20	Not Active	
55	C11-21	Not Active	
56	C11-22	Not Active	
57	C11-23	Not Active	
58	C11-24	Not Active	
59	C11-25	Not Active	
60	C11-26	Not Active	
61	C11-27	Not Active	
62	C11-28	Not Active	
63	C11-29	Not Active	
64	C11-30	Not Active	

Cabinet Configuration

Output Points

Output	C1 Pin	Output Type	Idx
1	C1-2	Channel Red Do Not Walk Driver	14
2	C1-3	Channel Green Walk Driver	14
3	C1-4	Channel Red Do Not Walk Driver	4
4	C1-5	Channel Yellow Ped Clear Driver	4
5	C1-6	Channel Green Walk Driver	4
6	C1-7	Channel Red Do Not Walk Driver	3
7	C1-8	Channel Yellow Ped Clear Driver	3
8	C1-9	Channel Green Walk Driver	3
9	C1-10	Channel Red Do Not Walk Driver	13
10	C1-11	Channel Green Walk Driver	13
11	C1-12	Channel Red Do Not Walk Driver	2
12	C1-13	Channel Yellow Ped Clear Driver	2
13	C1-15	Channel Green Walk Driver	2
14	C1-16	Channel Red Do Not Walk Driver	1
15	C1-17	Channel Yellow Ped Clear Driver	1
16	C1-18	Channel Green Walk Driver	1
17	C1-19	Channel Red Do Not Walk Driver	16
18	C1-20	Channel Green Walk Driver	16
19	C1-21	Channel Red Do Not Walk Driver	8
20	C1-22	Channel Yellow Ped Clear Driver	8
21	C1-23	Channel Green Walk Driver	8
22	C1-24	Channel Red Do Not Walk Driver	7
23	C1-25	Channel Yellow Ped Clear Driver	7
24	C1-26	Channel Green Walk Driver	7
25	C1-27	Channel Red Do Not Walk Driver	15
26	C1-28	Channel Green Walk Driver	15
27	C1-29	Channel Red Do Not Walk Driver	6
28	C1-30	Channel Yellow Ped Clear Driver	6
29	C1-31	Channel Green Walk Driver	6
30	C1-32	Channel Red Do Not Walk Driver	5
31	C1-33	Channel Yellow Ped Clear Driver	5
32	C1-34	Channel Green Walk Driver	5

Output	C1 Pin	Output Type	Idx
33	C1-35	Channel Yellow Ped Clear Driver	13
34	C1-36	Channel Yellow Ped Clear Driver	15
35	C1-37	Channel Yellow Ped Clear Driver	14
36	C1-38	Channel Yellow Ped Clear Driver	16
37	C1-100	Channel Yellow Ped Clear Driver	18
38	C1-101	Channel Yellow Ped Clear Driver	17
39	C1-102	Detector Reset	1
40	C1-103	Watchdog	
41	C1-83	Channel Red Do Not Walk Driver	18
42	C1-84	Channel Green Walk Driver	18
43	C1-85	Channel Red Do Not Walk Driver	12
44	C1-86	Channel Yellow Ped Clear Driver	12
45	C1-87	Channel Green Walk Driver	12
46	C1-88	Channel Red Do Not Walk Driver	11
47	C1-89	Channel Yellow Ped Clear Driver	11
48	C1-90	Channel Green Walk Driver	11
49	C1-91	Channel Red Do Not Walk Driver	17
50	C1-93	Channel Green Walk Driver	17
51	C1-94	Channel Red Do Not Walk Driver	10
52	C1-95	Channel Yellow Ped Clear Driver	10
53	C1-96	Channel Green Walk Driver	10
54	C1-97	Channel Red Do Not Walk Driver	9
55	C1-98	Channel Yellow Ped Clear Driver	9
56	C1-99	Channel Green Walk Driver	9
57	C11-1	Not Active	
58	C11-2	Not Active	
59	C11-3	Not Active	
60	C11-4	Not Active	
61	C11-5	Not Active	
62	C11-6	Not Active	
63	C11-7	Not Active	
64	C11-8	Not Active	

User Programs

Program 1

Enabled

Line	Result	Idx	Operation	Parameter A	Idx	Parameter B	Idx	Dly	Ext	Description
1	Unit Stop Time	1	Result=A	Aux Switch State						
2										
3										
4										
5										
6										
7										
8										
9										
10										
11										
12										
13										
14										
15										
16										
17										
18										
19										
20										
21										
22										
23										
24										
25										
26										
27										
28										
29										
30										
31										
32										
33										
34										
35										
36										
37										
38										
39										
40										

Appendix D - Trip Distribution Technical Memorandum

TO: Jonathan Quezada, Assistant Engineer; City of San Marcos
Chris Garcia, Associate Planner; City of San Marcos
Joe Shultz, PE; Kimley-Horn and Associates, Inc.

FROM: Jonathan Sanchez, PE, TE, PTOE; CR Associates

DATE: February 3, 2023

RE: San Marcos Artist's Village Project – Response to Comment #15 (2nd Review of TIA)

Trip Distribution

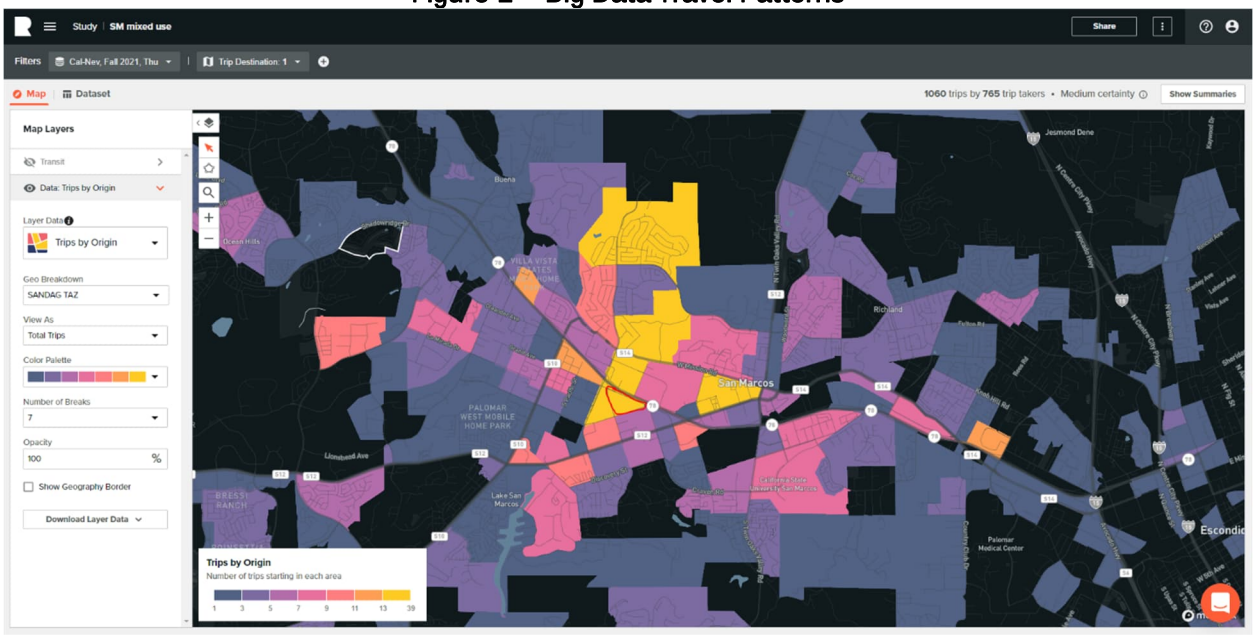
The project trip distribution was manually developed based on the following:

- Existing Travel Patterns based on big data (Replica[1]) and Census data.
- Geographical location of Project, surrounding land uses and knowledge of the City's traffic patterns.

The Project land uses consist of two components, approximately 70% retail/ employment and 30% residential land uses. The retail/ employment component of the Project are likely to attract residents from nearby developments (University District, Santa Fe Hills, etc.), whereas the residential component is likely to end up at professional jobs within the area (CSU San Marcos, Hughes Circuits, etc.).

Trip distribution for the Project was developed based on a Select Zone analysis, using data from Replica. **Figure 1** displays the current origin and destination pattern of the Traffic Analysis Zone (TAZ) where the Project is located.

Figure 1 – Big Data Travel Patterns



[1] Replica is a data provider that produces large-scale models to represent mobility throughout the United States. For more information, please visit the following: https://replicahq.com/

As seen in Figure 1 above, the yellow areas represent the TAZs where the highest concentration of trips originate and end up in the TAZ where the project is located. These TAZs are mainly composed of residential areas, which is consistent with the areas the project would attract trips from being that approximately 70 percent of the proposed project has commercial/retail and office land uses.

In order to understand the trip patterns associated with the remaining residential component of the Project; an analysis was conducted using data from US Census (2019). **Figure 2** below displays where residents that live within the selected area (orange area) work. As seen, the highest concentrations of employment are within San Marcos, Carlsbad, and southern Vista. **Figure 3** displays the same information but also shows the concentration of employment in the County of San Diego.

Figure 2 – Where Residents Work within Selected Area

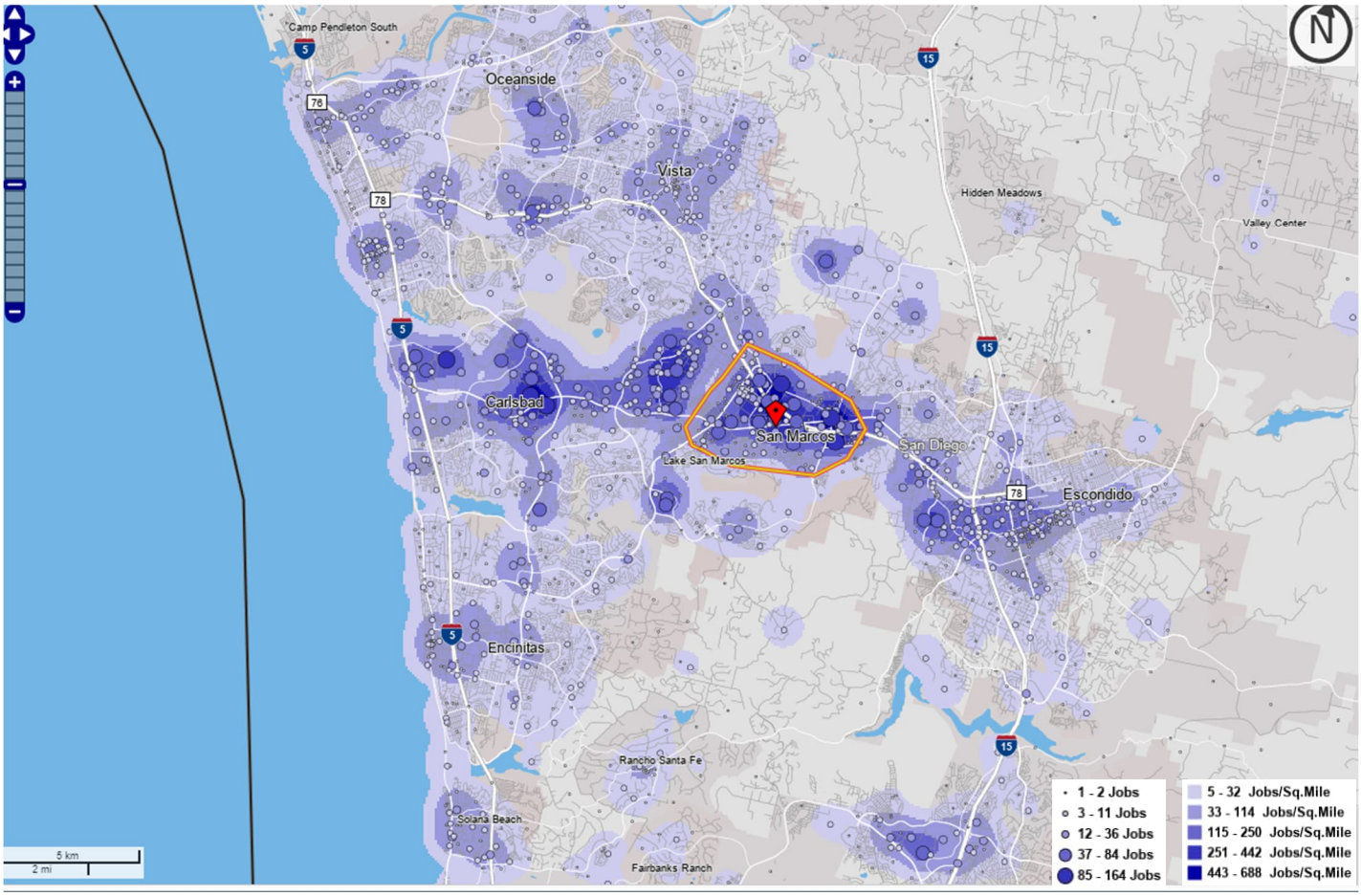
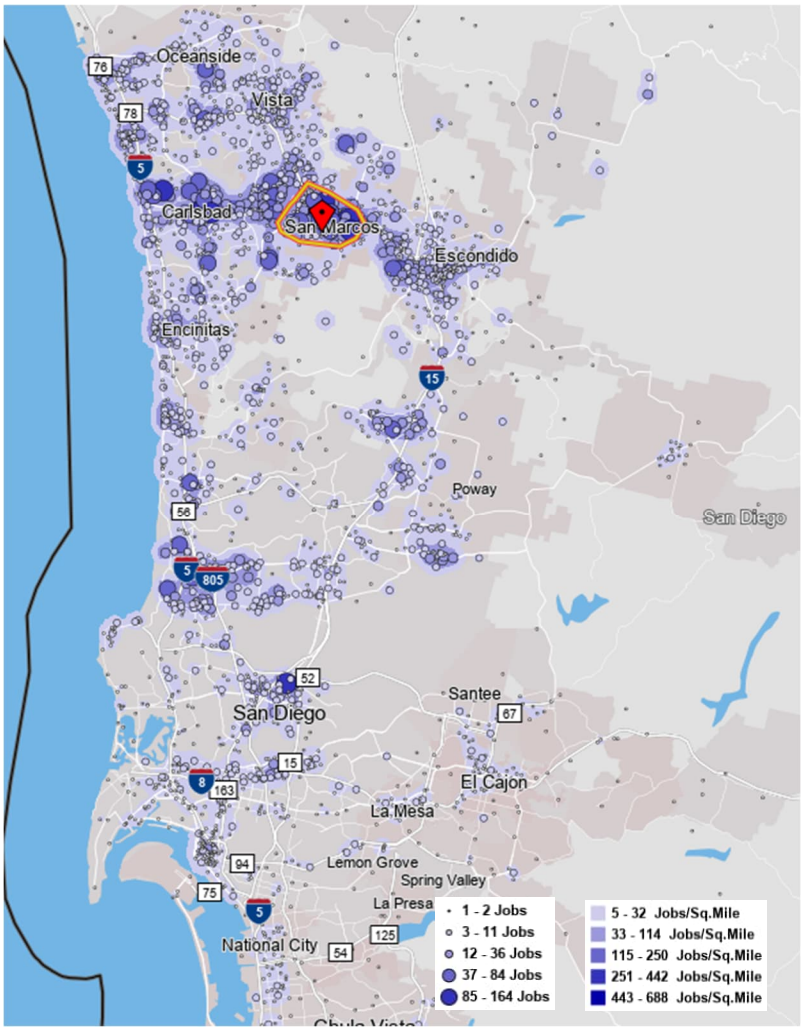


Figure 3 - Where Residents Work within Selected Area



As seen in these two figures, the majority of the trips are anticipated to stay within San Marcos or travel to Carlsbad and southern Vista using San Marcos' transportation network. This can further be demonstrated by requesting directions from google maps, which is a widely used navigation platform. **Figures 4** and **5** display google maps directions to the areas with higher employment density.

Figure 4 – Preferred Routes to Carlsbad

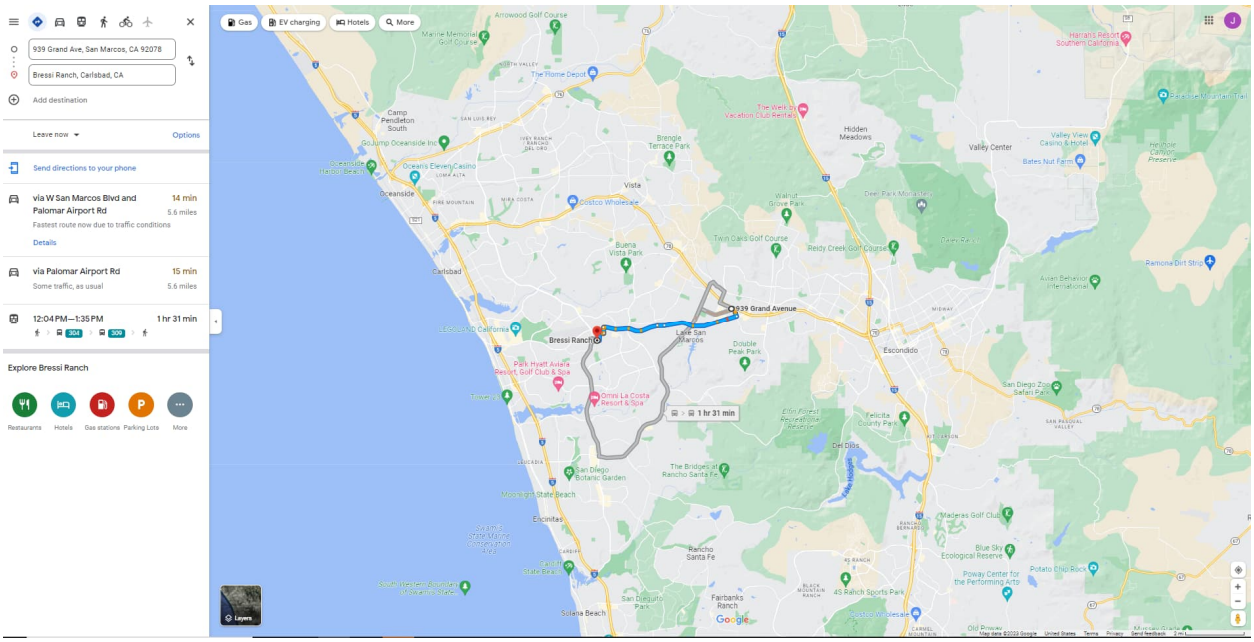
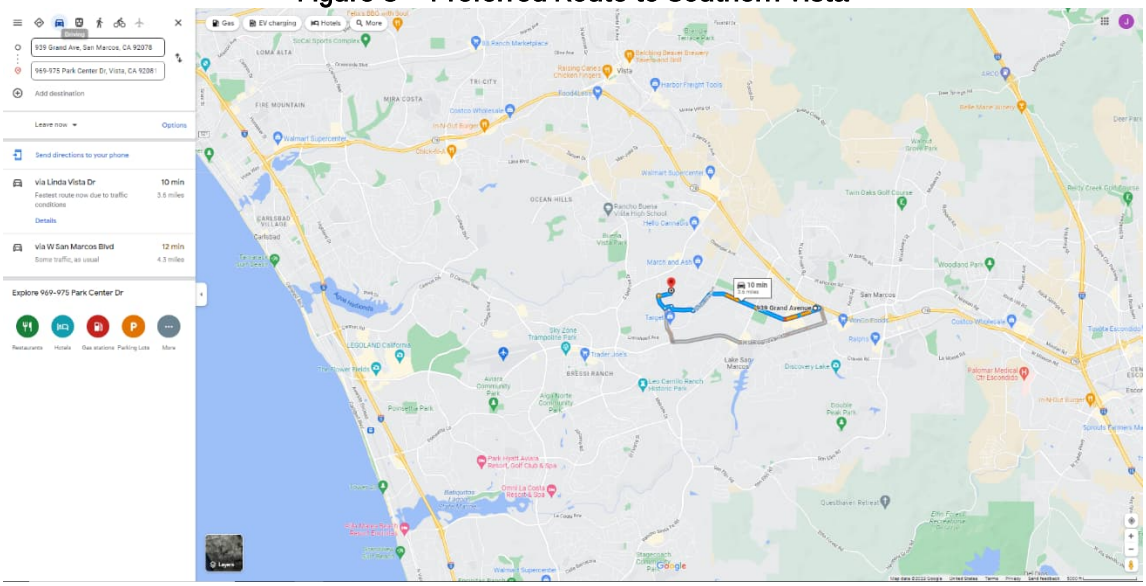
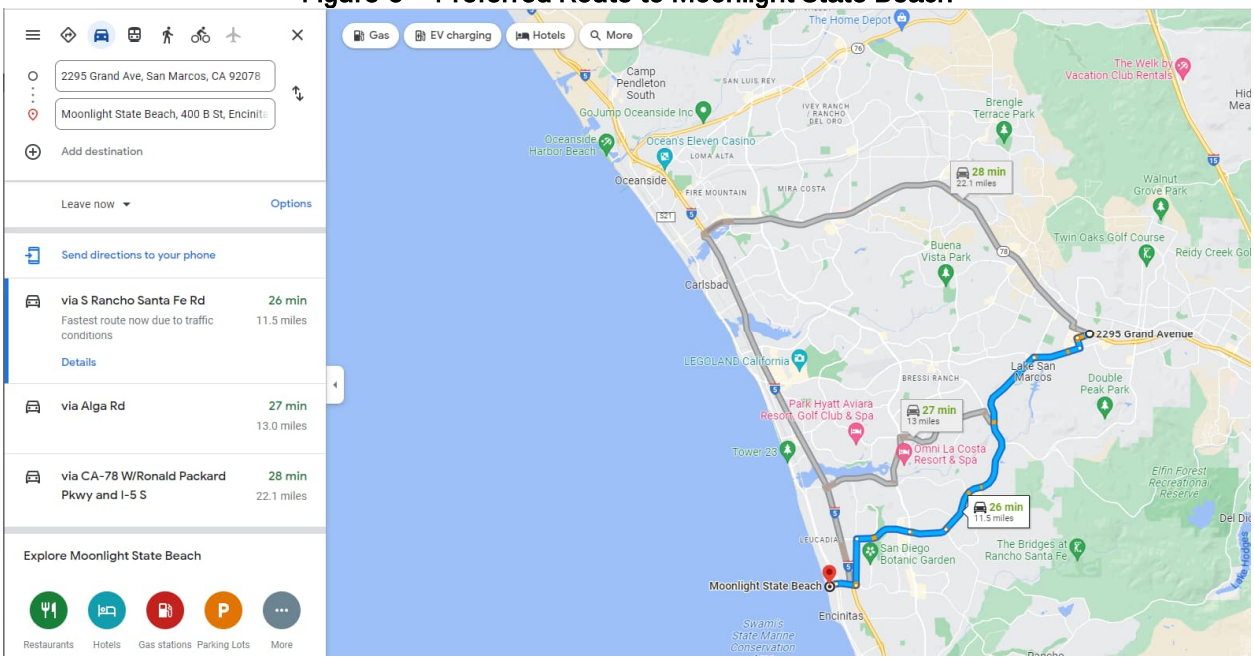


Figure 5 – Preferred Route to Southern Vista



Additionally, CRA has have extensive experience working on other development projects within the City of San Marcos, such as the Urge, Baypoint Academy, Block C, PIMA, Discovery South, and others. Our experience with development projects allows us to understand the traffic patterns within the City. For example, trips traveling to and from I-5, especially toward Encinitas, Del Mar, and even the City of San Diego, sometimes prefer to use local roads such as Twin Oaks Valley Road instead of SR-78, mostly due to the longer driving distance along SR-78, as well as the congestion at the SR-78/I-5 interchange. **Figure 6** displays the travel times between three different routes from the Project's site to Moonlight State Beach (a popular destination) in the City of Encinitas.

Figure 6 – Preferred Route to Moonlight State Beach



As shown in Figure 6, it would take 26 minutes to travel to Moonlight State Beach via Rancho Santa Fe vs. the 28 minutes that it would takes via SR-78.

All of the information presented above supports the trip distribution assumptions shown in the approved MOA and the TIA. The trip distribution assumed that approximately 80 percent (80%) of the total trips of the project would remain within the City or travel to adjacent jurisdictions via the City's transportation network. The remainder of trips, approx. 20 percent, would utilize the freeway to travel to other parts of the County.

Appendix E - Internal Capture Calculations

INTERNAL CAPTURE CALCULATION

Land Use	Rate Type	Units	Type	Trip Rate	Per	ADT	AM %	AM Trips	AM Split			AM In	AM Out	PM %	PM Trips	PM Split			PM In	PM Out
RESIDENTIAL - Multi-Family (Over 20 DU/acre)	Driveway	109	DU	6	Unit	654	8%	53	2	:	8	11	42	9%	59	7	:	3	41	18
OFFICE - Corporate Headquarters/Single Tenant Office	Driveway	7,658	KSF	14	KSF	108	15%	17	9	:	1	15	2	15%	17	2	:	8	3	14
COMMERCIAL-RETAIL - Specialty Retail Center/Strip Commercial	Driveway	49,266	KSF	40	KSF	1971	3%	60	6	:	4	36	24	9%	178	5	:	5	89	89
GROSS TOTAL						**2733**		**130**				**62**	**68**		**254**				**133**	**121**
Mixed Use Internalization				18%		-492		-23				-11	-12		-46				-24	-22
NET TOTAL						**2241**		**107**				**51**	**56**		**208**				**109**	**99**

	AM Reduced Trips			PM Reduced Trips		
	Total	In	Out	Total	In	Out
	126	60	66	190	101	89
Internal Capture	3%			25%		

AM & PM Combined Internal Capture		
Total	In	Out
316	161	155
18%		

1 - [(126+189)/(130+254)]=18.0%

NCHRP 8-51 Internal Trip Capture Estimation Tool			
Project Name:	San Marcos Artist's Village	**Organization:**	
Project Location:	San Marcos	**Performed By:**	
Scenario Description:	Trip Generation	**Date:**	
Analysis Year:	2022	**Checked By:**	
Analysis Period:	**AM Street Peak Hour**	**Date:**	

Table 1-A: Base Vehicle-Trip Generation Estimates (Single-Use Site Estimate)

Land Use	Development Data (*For Information Only*)			Estimated Vehicle-Trips		
	ITE LUCs[1]	Quantity	Units	Total	Entering	Exiting
Office				17	15	2
Retail				60	36	24
Restaurant				0	0	0
Cinema/Entertainment				0		
Residential				53	11	42
Hotel				0		
All Other Land Uses[2]				0		
Total				130	62	68

Table 2-A: Mode Split and Vehicle Occupancy Estimates

Land Use	Entering Trips			Exiting Trips		
	Veh. Occ.	% Transit	% Non-Motorized	Veh. Occ.	% Transit	% Non-Motorized
Office						
Retail						
Restaurant						
Cinema/Entertainment						
Residential						
Hotel						
All Other Land Uses[2]						

Table 3-A: Average Land Use Interchange Distances (Feet Walking Distance)

Origin (From)	Destination (To)					
	Office	Retail	Restaurant	Cinema/Entertainment	Residential	Hotel
Office						
Retail						
Restaurant						
Cinema/Entertainment						
Residential						
Hotel						

Table 4-A: Internal Person-Trip Origin-Destination Matrix*

Origin (From)	Destination (To)					
	Office	Retail	Restaurant	Cinema/Entertainment	Residential	Hotel
Office		1	0	0	0	0
Retail	1		0	0	0	0
Restaurant	0	0		0	0	0
Cinema/Entertainment	0	0	0		0	0
Residential	0	0	0	0		0
Hotel	0	0	0	0	0	

Table 5-A: Computations Summary

	Total	Entering	Exiting
All Person-Trips	130	62	68
Internal Capture Percentage	3%	3%	3%
External Vehicle-Trips[3]	126	60	66
External Transit-Trips[4]	0	0	0
External Non-Motorized Trips[4]	0	0	0

Table 6-A: Internal Trip Capture Percentages by Land Use

Land Use	Entering Trips	Exiting Trips
Office	7%	50%
Retail	3%	4%
Restaurant	N/A	N/A
Cinema/Entertainment	N/A	N/A
Residential	0%	0%
Hotel	N/A	N/A

[1]Land Use Codes (LUCs) from *Trip Generation Informational Report*, published by the Institute of Transportation Engineers.

[2]Total estimate for all other land uses at mixed-use development site-not subject to internal trip capture computations in this estimator

[3]Vehicle-trips computed using the mode split and vehicle occupancy values provided in Table 2-A

[4]Person-Trips

*Indicates computation that has been rounded to the nearest whole number.

Estimation Tool Developed by the Texas Transportation Institute

Project Name:	San Marcos Artist's Village
Analysis Period:	**AM Street Peak Hour**

Table 7-A: Conversion of Vehicle-Trip Ends to Person-Trip Ends

Land Use	Table 7-A (D): Entering Trips			Table 7-A (O): Exiting Trips		
	Veh. Occ.	Vehicle-Trips	Person-Trips*	Veh. Occ.	Vehicle-Trips	Person-Trips*
Office	1.00	15	15	1.00	2	2
Retail	1.00	36	36	1.00	24	24
Restaurant	1.00	0	0	1.00	0	0
Cinema/Entertainment	1.00	0	0	1.00	0	0
Residential	1.00	11	11	1.00	42	42
Hotel	1.00	0	0	1.00	0	0

Table 8-A (O): Internal Person-Trip Origin-Destination Matrix (Computed at Origin)

Origin (From)	Destination (To)					
	Office	Retail	Restaurant	Cinema/Entertainment	Residential	Hotel
Office		1	1	0	0	0
Retail	7		3	0	3	0
Restaurant	0	0		0	0	0
Cinema/Entertainment	0	0	0		0	0
Residential	1	0	8	0		0
Hotel	0	0	0	0	0	

Table 8-A (D): Internal Person-Trip Origin-Destination Matrix (Computed at Destination)

Origin (From)	Destination (To)					
	Office	Retail	Restaurant	Cinema/Entertainment	Residential	Hotel
Office		12	0	0	0	0
Retail	1		0	0	0	0
Restaurant	2	3		0	1	0
Cinema/Entertainment	0	0	0		0	0
Residential	0	6	0	0		0
Hotel	0	1	0	0	0	

Table 9-A (D): Internal and External Trips Summary (Entering Trips)

Destination Land Use	Person-Trip Estimates			External Trips by Mode*		
	Internal	External	Total	Vehicles[1]	Transit[2]	Non-Motorized[2]
Office	1	14	15	14	0	0
Retail	1	35	36	35	0	0
Restaurant	0	0	0	0	0	0
Cinema/Entertainment	0	0	0	0	0	0
Residential	0	11	11	11	0	0
Hotel	0	0	0	0	0	0
All Other Land Uses[3]	0	0	0	0	0	0

Table 9-A (O): Internal and External Trips Summary (Exiting Trips)

Origin Land Use	Person-Trip Estimates			External Trips by Mode*		
	Internal	External	Total	Vehicles[1]	Transit[2]	Non-Motorized[2]
Office	1	1	2	1	0	0
Retail	1	23	24	23	0	0
Restaurant	0	0	0	0	0	0
Cinema/Entertainment	0	0	0	0	0	0
Residential	0	42	42	42	0	0
Hotel	0	0	0	0	0	0
All Other Land Uses[3]	0	0	0	0	0	0

[1]Vehicle-trips computed using the mode split and vehicle occupancy values provided in Table 2-A

[2]Person-Trips

[3]Total estimate for all other land uses at mixed-use development site-not subject to internal trip capture computations in this estimator

*Indicates computation that has been rounded to the nearest whole number.

NCHRP 8-51 Internal Trip Capture Estimation Tool			
Project Name:	San Marcos Artist's Village	**Organization:**	
Project Location:	San Marcos	**Performed By:**	
Scenario Description:	Trip Generation	**Date:**	
Analysis Year:	2022	**Checked By:**	
Analysis Period:	**PM Street Peak Hour**	**Date:**	

Table 1-P: Base Vehicle-Trip Generation Estimates (Single-Use Site Estimate)

Land Use	Development Data (*For Information Only*)			Estimated Vehicle-Trips		
	ITE LUCs[1]	Quantity	Units	Total	Entering	Exiting
Office				17	3	14
Retail				178	89	89
Restaurant				0		
Cinema/Entertainment				0		
Residential				59	41	18
Hotel				0		
All Other Land Uses[2]				0		
Total				254	133	121

Table 2-P: Mode Split and Vehicle Occupancy Estimates

Land Use	Entering Trips			Exiting Trips		
	Veh. Occ.	% Transit	% Non-Motorized	Veh. Occ.	% Transit	% Non-Motorized
Office						
Retail						
Restaurant						
Cinema/Entertainment						
Residential						
Hotel						
All Other Land Uses[2]						

Table 3-P: Average Land Use Interchange Distances (Feet Walking Distance)

Origin (From)	Destination (To)					
	Office	Retail	Restaurant	Cinema/Entertainment	Residential	Hotel
Office						
Retail						
Restaurant						
Cinema/Entertainment						
Residential						
Hotel						

Table 4-P: Internal Person-Trip Origin-Destination Matrix*

Origin (From)	Destination (To)					
	Office	Retail	Restaurant	Cinema/Entertainment	Residential	Hotel
Office		3	0	0	0	0
Retail	1		0	0	19	0
Restaurant	0	0		0	0	0
Cinema/Entertainment	0	0	0		0	0
Residential	1	8	0	0		0
Hotel	0	0	0	0	0	

Table 5-P: Computations Summary

	Total	Entering	Exiting
All Person-Trips	254	133	121
Internal Capture Percentage	25%	24%	26%
External Vehicle-Trips[3]	190	101	89
External Transit-Trips[4]	0	0	0
External Non-Motorized Trips[4]	0	0	0

Table 6-P: Internal Trip Capture Percentages by Land Use

Land Use	Entering Trips	Exiting Trips
Office	67%	21%
Retail	12%	22%
Restaurant	N/A	N/A
Cinema/Entertainment	N/A	N/A
Residential	46%	50%
Hotel	N/A	N/A

[1]Land Use Codes (LUCs) from *Trip Generation Informational Report*, published by the Institute of Transportation Engineers.

[2]Total estimate for all other land uses at mixed-use development site-not subject to internal trip capture computations in this estimator

[3]Vehicle-trips computed using the mode split and vehicle occupancy values provided in Table 2-P

[4]Person-Trips

*Indicates computation that has been rounded to the nearest whole number.

Estimation Tool Developed by the Texas Transportation Institute

Project Name:	San Marcos Artist's Village
Analysis Period:	**PM Street Peak Hour**

Table 7-P: Conversion of Vehicle-Trip Ends to Person-Trip Ends

Land Use	Table 7-P (D): Entering Trips			Table 7-P (O): Exiting Trips		
	Veh. Occ.	Vehicle-Trips	Person-Trips*	Veh. Occ.	Vehicle-Trips	Person-Trips*
Office	1.00	3	3	1.00	14	14
Retail	1.00	89	89	1.00	89	89
Restaurant	1.00	0	0	1.00	0	0
Cinema/Entertainment	1.00	0	0	1.00	0	0
Residential	1.00	41	41	1.00	18	18
Hotel	1.00	0	0	1.00	0	0

Table 8-P (O): Internal Person-Trip Origin-Destination Matrix (Computed at Origin)

Origin (From)	Destination (To)					
	Office	Retail	Restaurant	Cinema/Entertainment	Residential	Hotel
Office		3	1	0	0	0
Retail	2		26	4	23	4
Restaurant	0	0		0	0	0
Cinema/Entertainment	0	0	0		0	0
Residential	1	8	4	0		1
Hotel	0	0	0	0	0	

Table 8-P (D): Internal Person-Trip Origin-Destination Matrix (Computed at Destination)

Origin (From)	Destination (To)					
	Office	Retail	Restaurant	Cinema/Entertainment	Residential	Hotel
Office		7	0	0	2	0
Retail	1		0	0	19	0
Restaurant	1	45		0	7	0
Cinema/Entertainment	0	4	0		2	0
Residential	2	9	0	0		0
Hotel	0	2	0	0	0	

Table 9-P (D): Internal and External Trips Summary (Entering Trips)

Destination Land Use	Person-Trip Estimates			External Trips by Mode*		
	Internal	External	Total	Vehicles[1]	Transit[2]	Non-Motorized[2]
Office	2	1	3	1	0	0
Retail	11	78	89	78	0	0
Restaurant	0	0	0	0	0	0
Cinema/Entertainment	0	0	0	0	0	0
Residential	19	22	41	22	0	0
Hotel	0	0	0	0	0	0
All Other Land Uses[3]	0	0	0	0	0	0

Table 9-P (O): Internal and External Trips Summary (Exiting Trips)

Origin Land Use	Person-Trip Estimates			External Trips by Mode*		
	Internal	External	Total	Vehicles[1]	Transit[2]	Non-Motorized[2]
Office	3	11	14	11	0	0
Retail	20	69	89	69	0	0
Restaurant	0	0	0	0	0	0
Cinema/Entertainment	0	0	0	0	0	0
Residential	9	9	18	9	0	0
Hotel	0	0	0	0	0	0
All Other Land Uses[3]	0	0	0	0	0	0

[1]Vehicle-trips computed using the mode split and vehicle occupancy values provided in Table 2-P

[2]Person-Trips

[3]Total estimate for all other land uses at mixed-use development site-not subject to internal trip capture computations in this estimator

*Indicates computation that has been rounded to the nearest whole number.

Appendix F - Traffic Counts

INTERSECTION TURNING MOVEMENT COUNTS

PREPARED BY: ELITE TRAFFIC DYNAMICS, LLC

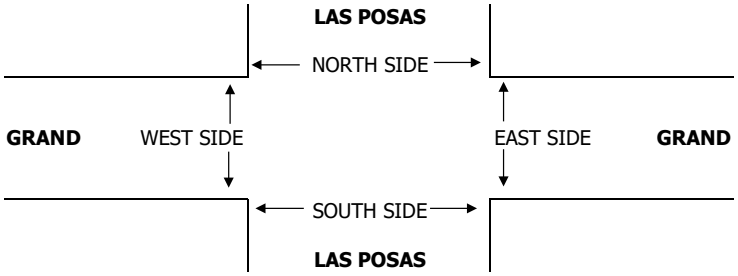
DATE:	LOCATION:	SAN MARCOS	PROJECT #:	ETD22-0520-01
5/19/22	NORTH & SOUTH:	LAS POSAS	LOCATION #:	1
THURSDAY	EAST & WEST:	GRAND	CONTROL:	SIGNAL

NOTES:

INCLUDES BIKE & PED

AM / PM / MD / OTHER / OTHER — ▲ N, ◄ W, E ►, S ▼

		NORTHBOUND LAS POSAS			SOUTHBOUND LAS POSAS			EASTBOUND GRAND			WESTBOUND GRAND				U-TURNS				
	LANES:	NL	NT	NR	SL	ST	SR	EL	ET	ER	WL	WT	WR	TOTAL	NB X	SB X	EB X	WB X	TTL
AM	7:00 AM	2	32	15	67	107	60	9	32	4	15	25	68	436					0
	7:15 AM	1	43	19	80	126	68	12	27	5	25	18	76	500					0
	7:30 AM	1	36	15	88	125	100	17	23	5	28	31	91	560					0
	7:45 AM	5	80	16	84	187	126	25	40	3	30	42	103	741					0
	8:00 AM	3	63	29	90	156	128	30	27	4	26	57	94	707					0
	8:15 AM	3	54	29	84	151	128	30	71	2	29	32	69	682				1	1
	8:30 AM	11	61	21	101	127	71	23	64	5	24	32	102	642					0
	8:45 AM	8	28	24	88	136	70	20	42	10	13	29	86	554					0
	VOLUMES	34	397	168	682	1,115	751	166	326	38	190	266	689	4,822	0	0	0	1	1
	APPROACH %	6%	66%	28%	27%	44%	29%	31%	62%	7%	17%	23%	60%						
	APP/DEPART	599	/	1,252	2,548	/	1,343	530	/	1,176	1,145	/	1,051	0					
	BEGIN PEAK HR		7:45 AM																
	VOLUMES	22	258	95	359	621	453	108	202	14	109	163	368	2,772					
	APPROACH %	6%	69%	25%	25%	43%	32%	33%	62%	4%	17%	25%	58%						
	PEAK HR FACTOR		0.928			0.902			0.786			0.904		0.935					
	APP/DEPART	375	/	734	1,433	/	744	324	/	656	640	/	638	0					
PM	4:00 PM	12	246	65	64	108	63	86	92	15	14	37	156	958					0
	4:15 PM	7	225	63	88	158	71	65	95	9	15	30	131	957					0
	4:30 PM	10	214	44	67	125	70	73	87	13	14	34	165	916					0
	4:45 PM	13	191	64	91	134	56	87	92	15	18	27	159	947					0
	5:00 PM	15	209	71	67	123	57	79	101	8	10	37	172	949					0
	5:15 PM	12	199	37	50	129	68	80	85	11	19	58	170	918					0
	5:30 PM	14	200	32	58	108	52	71	97	10	15	49	181	887					0
	5:45 PM	7	187	52	76	105	41	62	78	9	10	38	173	838	1				1
	VOLUMES	90	1,671	428	561	990	478	603	727	90	115	310	1,307	7,370	1	0	0	0	1
	APPROACH %	4%	76%	20%	28%	49%	24%	42%	51%	6%	7%	18%	75%						
	APP/DEPART	2,189	/	3,581	2,029	/	1,195	1,420	/	1,716	1,732	/	878	0					
	BEGIN PEAK HR		4:00 PM																
	VOLUMES	42	876	236	310	525	260	311	366	52	61	128	611	3,778					
	APPROACH %	4%	76%	20%	28%	48%	24%	43%	50%	7%	8%	16%	76%						
	PEAK HR FACTOR		0.893			0.864			0.939			0.939		0.986					
	APP/DEPART	1,154	/	1,798	1,095	/	638	729	/	912	800	/	430	0					



		PEDESTRIAN CROSSINGS					PEDESTRIAN ACTIVATIONS					BICYCLE CROSSINGS				
		N SIDE	S SIDE	E SIDE	W SIDE	TOTAL	N SIDE	S SIDE	E SIDE	W SIDE	TOTAL	NS	SS	ES	WS	TOTAL
AM	7:00 AM		1	1	1	3					0				4	4
	7:15 AM			2		2					0				1	1
	7:30 AM			1		1					0			2	1	3
	7:45 AM			1	1	2					0			1		1
	8:00 AM			1		1					0					0
	8:15 AM					0					0			1		1
	8:30 AM		1			1					0		1	3	1	5
	8:45 AM			2		2					0				1	1
	TOTAL	0	2	8	2	12	0	0	0	0	0	0	1	7	8	16
PM	4:00 PM			4		4					0			2	2	4
	4:15 PM			1		1					0		1	4		5
	4:30 PM	1	2	1	1	5					0			1		1
	4:45 PM		2	2		4					0		1	2	1	4
	5:00 PM		1	4	5	10					0			2		2
	5:15 PM		1	4	1	6					0		1	2		3
	5:30 PM			3		3					0		1	2		3
	5:45 PM		1			1					0					0
	TOTAL	1	7	19	7	34	0	0	0	0	0	0	4	15	3	22

INTERSECTION TURNING MOVEMENT COUNTS

PREPARED BY: ELITE TRAFFIC DYNAMICS, LLC

DATE:	LOCATION:	SAN MARCOS	PROJECT #:	ETD22-0520-01
5/19/22	NORTH & SOUTH:	VIA VERA CRUZ & 78 RAMPS	LOCATION #:	2
THURSDAY	EAST & WEST:	GRAND	CONTROL:	SIGNAL

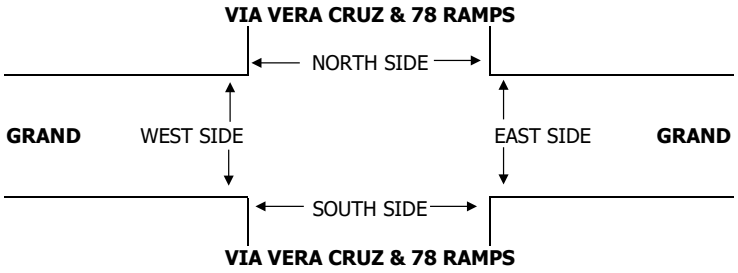
NOTES:

INCLUDES BIKE & PED

AM / PM / MD / OTHER / OTHER

N ▲ S ▼ W ◄ E ►

		NORTHBOUND VIA VERA CRUZ & 78 RAMPS			SOUTHBOUND VIA VERA CRUZ & 78 RAMPS			EASTBOUND GRAND			WESTBOUND GRAND				U-TURNS				
	LANES:	NL	NT	NR	SL	ST	SR	EL	ET	ER	WL	WT	WR	TOTAL	NB X	SB X	EB X	WB X	TTL
AM	7:00 AM	4	8	4	11	33	81	81	20	10	7	21	1	281					0
	7:15 AM	3	9	1	15	49	89	79	19	30	1	25	1	321					0
	7:30 AM	13	12	0	18	52	110	70	29	23	3	38	4	372					0
	7:45 AM	12	12	3	19	92	145	80	35	28	8	32	2	468					0
	8:00 AM	13	10	5	21	58	105	91	34	22	10	41	1	411					0
	8:15 AM	15	12	1	23	61	82	91	50	41	3	41	4	424					0
	8:30 AM	16	19	4	22	44	95	95	55	39	21	34	2	446					0
	8:45 AM	17	10	3	24	50	76	84	34	37	15	41	3	394					0
	VOLUMES	93	92	21	153	439	783	671	276	230	68	273	18	3,117	0	0	0	0	0
	APPROACH %	45%	45%	10%	11%	32%	57%	57%	23%	20%	19%	76%	5%						
	APP/DEPART	206	/	781	1,375	/	737	1,177	/	450	359	/	1,149	0					
	BEGIN PEAK HR		7:45 AM																
	VOLUMES	56	53	13	85	255	427	357	174	130	42	148	9	1,749					
	APPROACH %	46%	43%	11%	11%	33%	56%	54%	26%	20%	21%	74%	5%						
	PEAK HR FACTOR		0.782			0.749			0.874			0.873		0.934					
	APP/DEPART	122	/	419	767	/	427	661	/	272	199	/	631	0					
PM	4:00 PM	54	48	12	51	58	69	100	77	41	18	85	6	619					0
	4:15 PM	39	47	23	70	67	77	125	81	43	18	67	3	660					0
	4:30 PM	52	38	11	58	74	73	95	63	38	22	80	4	608	1				1
	4:45 PM	50	40	18	52	63	70	110	86	53	25	82	2	651					0
	5:00 PM	65	49	16	42	45	74	129	70	36	11	80	6	623					0
	5:15 PM	46	48	12	43	52	84	84	48	38	17	114	5	591					0
	5:30 PM	39	34	21	44	54	106	91	52	41	18	117	5	622	1				1
	5:45 PM	38	51	18	46	67	95	102	63	43	28	88	8	647	1				1
	VOLUMES	383	355	131	406	480	648	836	540	333	157	713	39	5,021	3	0	0	0	3
	APPROACH %	44%	41%	15%	26%	31%	42%	49%	32%	19%	17%	78%	4%						
	APP/DEPART	869	/	1,230	1,534	/	970	1,709	/	1,077	909	/	1,744	0					
	BEGIN PEAK HR		4:15 PM																
	VOLUMES	206	174	68	222	249	294	459	300	170	76	309	15	2,542					
	APPROACH %	46%	39%	15%	29%	33%	38%	49%	32%	18%	19%	77%	4%						
	PEAK HR FACTOR		0.862			0.894			0.933			0.917		0.963					
	APP/DEPART	448	/	648	765	/	495	929	/	590	400	/	809	0					



		PEDESTRIAN CROSSINGS					PEDESTRIAN ACTIVATIONS					BICYCLE CROSSINGS				
		N SIDE	S SIDE	E SIDE	W SIDE	TOTAL	N SIDE	S SIDE	E SIDE	W SIDE	TOTAL	NS	SS	ES	WS	TOTAL
AM	7:00 AM					0					0					0
	7:15 AM					0					0					0
	7:30 AM					0					0					0
	7:45 AM					0					0					0
	8:00 AM					0					0					0
	8:15 AM					0					0					0
	8:30 AM					0					0					0
	8:45 AM					0					0					0
	TOTAL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PM	4:00 PM		1			1					0					0
	4:15 PM					0					0					0
	4:30 PM		2			2					0					0
	4:45 PM		1			1					0		1			1
	5:00 PM		1			1					0					0
	5:15 PM		1			1					0					0
	5:30 PM					0					0					0
	5:45 PM					0					0					0
	TOTAL	0	6	0	0	6	0	0	0	0	0	0	1	0	0	1

INTERSECTION TURNING MOVEMENT COUNTS

PREPARED BY: ELITE TRAFFIC DYNAMICS, LLC

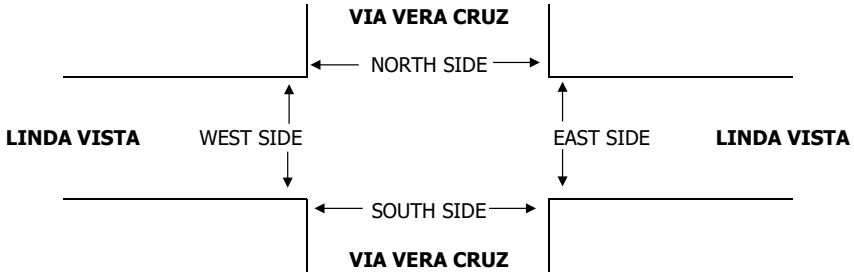
DATE:	LOCATION:	SAN MARCOS	PROJECT #:	ETD22-0520-01
5/19/22	NORTH & SOUTH:	VIA VERA CRUZ	LOCATION #:	3
THURSDAY	EAST & WEST:	LINDA VISTA	CONTROL:	SIGNAL

NOTES:

INCLUDES BIKE & PED

AM / PM / MD / OTHER / OTHER — ▲ N, ◄ W, E ►, ▼ S

		NORTHBOUND VIA VERA CRUZ			SOUTHBOUND VIA VERA CRUZ			EASTBOUND LINDA VISTA			WESTBOUND LINDA VISTA				U-TURNS				
	LANES:	NL	NT	NR	SL	ST	SR	EL	ET	ER	WL	WT	WR	TOTAL	NB X	SB X	EB X	WB X	TTL
AM	7:00 AM	6	6	1	3	22	5	4	10	5	2	21	4	89					0
	7:15 AM	4	8	2	4	45	9	5	10	2	2	21	4	116					0
	7:30 AM	6	17	0	2	50	4	4	22	5	6	27	2	145					0
	7:45 AM	6	13	3	0	83	10	6	29	6	4	33	2	195		1			1
	8:00 AM	4	20	1	1	46	8	0	22	7	1	30	9	149					0
	8:15 AM	6	18	3	5	61	8	6	31	9	4	37	4	192					0
	8:30 AM	5	31	1	4	52	8	7	22	11	2	30	4	177					0
	8:45 AM	4	25	6	7	63	8	3	20	8	3	20	4	171					0
	VOLUMES	41	138	17	26	422	60	35	166	53	24	219	33	1,234	0	1	0	0	1
	APPROACH %	21%	70%	9%	5%	83%	12%	14%	65%	21%	9%	79%	12%						
	APP/DEPART	196	/	206	508	/	499	254	/	209	276	/	320	0					
	BEGIN PEAK HR		7:45 AM																
	VOLUMES	21	82	8	10	242	34	19	104	33	11	130	19	713					
	APPROACH %	19%	74%	7%	3%	85%	12%	12%	67%	21%	7%	81%	12%						
	PEAK HR FACTOR		0.750			0.769			0.848			0.889		0.914					
	APP/DEPART	111	/	120	286	/	286	156	/	122	160	/	185	0					
PM	4:00 PM	8	64	20	7	57	5	25	68	17	7	16	3	297					0
	4:15 PM	5	56	12	15	79	9	17	53	20	5	24	6	301					0
	4:30 PM	11	79	9	15	79	9	18	61	16	2	16	8	323					0
	4:45 PM	11	71	9	6	73	7	16	71	12	6	23	2	307					0
	5:00 PM	8	89	8	5	72	1	21	52	29	4	21	8	318					0
	5:15 PM	11	78	8	2	69	6	20	56	9	4	18	4	285					0
	5:30 PM	10	80	7	7	58	8	11	43	15	2	22	4	267					0
	5:45 PM	3	60	3	8	83	9	10	54	12	7	17	4	270					0
	VOLUMES	67	577	76	65	570	54	138	458	130	37	157	39	2,368	0	0	0	0	0
	APPROACH %	9%	80%	11%	9%	83%	8%	19%	63%	18%	16%	67%	17%						
	APP/DEPART	720	/	754	689	/	737	726	/	599	233	/	278	0					
	BEGIN PEAK HR		4:15 PM																
	VOLUMES	35	295	38	41	303	26	72	237	77	17	84	24	1,249					
	APPROACH %	10%	80%	10%	11%	82%	7%	19%	61%	20%	14%	67%	19%						
	PEAK HR FACTOR		0.876			0.898			0.946			0.893		0.967					
	APP/DEPART	368	/	391	370	/	397	386	/	316	125	/	145	0					



		PEDESTRIAN CROSSINGS					PEDESTRIAN ACTIVATIONS					BICYCLE CROSSINGS				
		N SIDE	S SIDE	E SIDE	W SIDE	TOTAL	N SIDE	S SIDE	E SIDE	W SIDE	TOTAL	NS	SS	ES	WS	TOTAL
AM	7:00 AM					0					0					0
	7:15 AM					0					0					0
	7:30 AM					0					0				1	1
	7:45 AM				1	1					0				1	1
	8:00 AM					0					0					0
	8:15 AM					0					0				1	1
	8:30 AM					0					0		1			1
	8:45 AM				1	1					0					0
	TOTAL	0	0	0	2	2	0	0	0	0	0	0	1	0	3	4
PM	4:00 PM				8	8					0					0
	4:15 PM				1	1					0					0
	4:30 PM	1			1	2					0				2	2
	4:45 PM	1	1		11	13					0					0
	5:00 PM				1	1					0					0
	5:15 PM					0					0					0
	5:30 PM					0					0		2			2
	5:45 PM					0					0					0
	TOTAL	2	1	0	22	25	0	0	0	0	0	0	2	0	2	4

INTERSECTION TURNING MOVEMENT COUNTS

PREPARED BY: ELITE TRAFFIC DYNAMICS, LLC

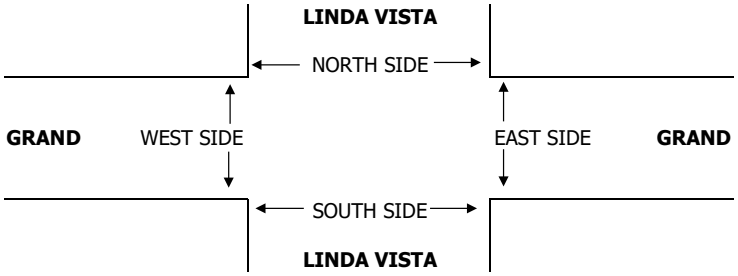
DATE:	LOCATION:	SAN MARCOS	PROJECT #:	ETD22-0520-01
5/19/22	NORTH & SOUTH:	LINDA VISTA	LOCATION #:	5
THURSDAY	EAST & WEST:	GRAND	CONTROL:	STOP

NOTES:

INCLUDES BIKE & PED

AM / PM / MD / OTHER / OTHER — ▲ N, ◄ W, E ►, S ▼

		NORTHBOUND LINDA VISTA			SOUTHBOUND LINDA VISTA			EASTBOUND GRAND			WESTBOUND GRAND				U-TURNS				
	LANES:	NL	NT	NR	SL	ST	SR	EL	ET	ER	WL	WT	WR	TOTAL	NB X	SB X	EB X	WB X	TTL
AM	7:00 AM	0		17					31	4	29	21		102					0
	7:15 AM	4		10					33	2	36	22		107					0
	7:30 AM	7		26					43	3	35	37		151					0
	7:45 AM	2		19					57	2	49	34		163					0
	8:00 AM	1		19					55	5	39	44		163					0
	8:15 AM	1		36					63	3	39	35		177					0
	8:30 AM	0		26					76	4	37	48		191					0
	8:45 AM	2		31					60	3	41	59		196					0
	VOLUMES	17	0	184	0	0	0	0	418	26	305	300	0	1,250	0	0	0	0	0
	APPROACH %	8%	0%	92%	0%	0%	0%	0%	94%	6%	50%	50%	0%						
	APP/DEPART	201	/	0	0	/	331	444	/	602	605	/	317	0					
	BEGIN PEAK HR		8:00 AM																
	VOLUMES	4	0	112	0	0	0	0	254	15	156	186	0	727					
	APPROACH %	3%	0%	97%	0%	0%	0%	0%	94%	6%	46%	54%	0%						
	PEAK HR FACTOR		0.784			0.000			0.841			0.855		0.927					
	APP/DEPART	116	/	0	0	/	171	269	/	366	342	/	190	0					
PM	4:00 PM	4		92					129	4	20	83		332					0
	4:15 PM	5		84					173	1	24	67		354					0
	4:30 PM	3		88					146	5	19	104		365					0
	4:45 PM	2		95					140	11	24	97		369					0
	5:00 PM	4		77					155	3	25	87		351					0
	5:15 PM	1		64					108	4	21	130		328					0
	5:30 PM	0		52					128	3	23	125		331					0
	5:45 PM	3		72					120	6	23	119		343					0
	VOLUMES	22	0	624	0	0	0	0	1,099	37	179	812	0	2,773	0	0	0	0	0
	APPROACH %	3%	0%	97%	0%	0%	0%	0%	97%	3%	18%	82%	0%						
	APP/DEPART	646	/	0	0	/	216	1,136	/	1,723	991	/	834	0					
	BEGIN PEAK HR		4:15 PM																
	VOLUMES	14	0	344	0	0	0	0	614	20	92	355	0	1,439					
	APPROACH %	4%	0%	96%	0%	0%	0%	0%	97%	3%	21%	79%	0%						
	PEAK HR FACTOR		0.923			0.000			0.911			0.909		0.975					
	APP/DEPART	358	/	0	0	/	112	634	/	958	447	/	369	0					



		PEDESTRIAN CROSSINGS					PEDESTRIAN ACTIVATIONS					BICYCLE CROSSINGS				
		N SIDE	S SIDE	E SIDE	W SIDE	TOTAL	N SIDE	S SIDE	E SIDE	W SIDE	TOTAL	NS	SS	ES	WS	TOTAL
AM	7:00 AM		1			1					0					0
	7:15 AM		1			1					0					0
	7:30 AM					0					0					0
	7:45 AM					0					0			1		1
	8:00 AM		1			1					0					0
	8:15 AM					0					0					0
	8:30 AM					0					0					0
	8:45 AM					0					0					0
	TOTAL	0	3	0	0	3	0	0	0	0	0	0	0	1	0	1
PM	4:00 PM					0					0					0
	4:15 PM					0					0					0
	4:30 PM					0					0					0
	4:45 PM					0					0					0
	5:00 PM					0					0					0
	5:15 PM		1			1					0					0
	5:30 PM					0					0					0
	5:45 PM		1			1					0					0
	TOTAL	0	2	0	0	2	0	0	0	0	0	0	0	0	0	0

INTERSECTION TURNING MOVEMENT COUNTS

PREPARED BY: ELITE TRAFFIC DYNAMICS, LLC

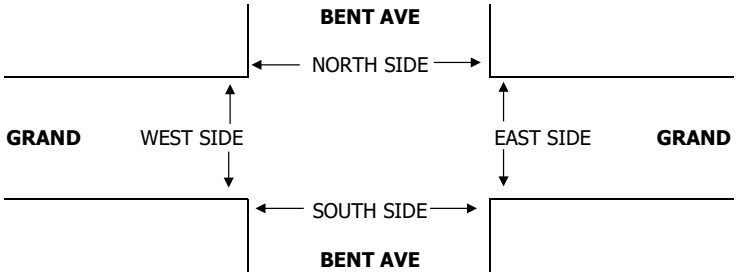
DATE:	LOCATION:	SAN MARCOS	PROJECT #:	ETD22-0520-01
5/19/22	NORTH & SOUTH:	BENT AVE	LOCATION #:	6
THURSDAY	EAST & WEST:	GRAND	CONTROL:	SIGNAL

NOTES:

INCLUDES BIKE & PED

AM / PM / MD / OTHER / OTHER — ▲ N, ◄ W, E ►, S ▼

		NORTHBOUND (BENT AVE)			SOUTHBOUND (BENT AVE)			EASTBOUND (GRAND)			WESTBOUND (GRAND)				U-TURNS				
	LANES:	NL	NT	NR	SL	ST	SR	EL	ET	ER	WL	WT	WR	TOTAL	NB X	SB X	EB X	WB X	TTL
AM	7:00 AM	14		3					33	16	7	35		108					0
	7:15 AM	13		5					28	15	7	45		113					0
	7:30 AM	17		3					57	11	4	56		148					0
	7:45 AM	20		7					64	13	1	62		167					0
	8:00 AM	14		2					59	16	5	70		166					0
	8:15 AM	21		5					78	20	4	53		181					0
	8:30 AM	20		5					79	24	5	64		197					0
	8:45 AM	37		5					55	36	7	64		204					0
	VOLUMES	156	0	35	0	0	0	0	453	151	40	449	0	1,284	0	0	0	0	0
	APPROACH %	82%	0%	18%	0%	0%	0%	0%	75%	25%	8%	92%	0%						
	APP/DEPART	191	/	0	0	/	191	604	/	488	489	/	605	0					
	BEGIN PEAK HR		8:00 AM																
	VOLUMES	92	0	17	0	0	0	0	271	96	21	251	0	748					
	APPROACH %	84%	0%	16%	0%	0%	0%	0%	74%	26%	8%	92%	0%						
	PEAK HR FACTOR		0.649			0.000			0.891			0.907		0.917					
	APP/DEPART	109	/	0	0	/	117	367	/	288	272	/	343	0					
PM	4:00 PM	36		11					169	52	5	68		341					0
	4:15 PM	30		20					206	53	8	60		377					0
	4:30 PM	54		15					191	42	10	70		382					0
	4:45 PM	45		12					185	50	9	75		376					0
	5:00 PM	44		13					189	41	6	68		361					0
	5:15 PM	53		19					140	31	9	100		352					0
	5:30 PM	41		11					154	28	9	106		349					0
	5:45 PM	42		17					162	30	5	100		356					0
	VOLUMES	345	0	118	0	0	0	0	1,396	327	61	647	0	2,894	0	0	0	0	0
	APPROACH %	75%	0%	25%	0%	0%	0%	0%	81%	19%	9%	91%	0%						
	APP/DEPART	463	/	0	0	/	388	1,723	/	1,514	708	/	992	0					
	BEGIN PEAK HR		4:15 PM																
	VOLUMES	173	0	60	0	0	0	0	771	186	33	273	0	1,496					
	APPROACH %	74%	0%	26%	0%	0%	0%	0%	81%	19%	11%	89%	0%						
	PEAK HR FACTOR		0.844			0.000			0.924			0.911		0.979					
	APP/DEPART	233	/	0	0	/	219	957	/	831	306	/	446	0					



		PEDESTRIAN CROSSINGS					PEDESTRIAN ACTIVATIONS					BICYCLE CROSSINGS				
		N SIDE	S SIDE	E SIDE	W SIDE	TOTAL	N SIDE	S SIDE	E SIDE	W SIDE	TOTAL	NS	SS	ES	WS	TOTAL
AM	7:00 AM					0					0					0
	7:15 AM					0					0					0
	7:30 AM					0					0					0
	7:45 AM				1	1					0					0
	8:00 AM					0					0					0
	8:15 AM					0					0					0
	8:30 AM				1	1					0				1	1
	8:45 AM					0					0					0
	TOTAL	0	0	0	2	2	0	0	0	0	0	0	0	0	1	1
PM	4:00 PM					0					0					0
	4:15 PM				2	2					0					0
	4:30 PM					0					0					0
	4:45 PM					0					0					0
	5:00 PM					0					0					0
	5:15 PM					0					0					0
	5:30 PM					0					0					0
	5:45 PM					0					0					0
	TOTAL	0	0	0	2	2	0	0	0	0	0	0	0	0	0	0

INTERSECTION TURNING MOVEMENT COUNTS

PREPARED BY: ELITE TRAFFIC DYNAMICS, LLC

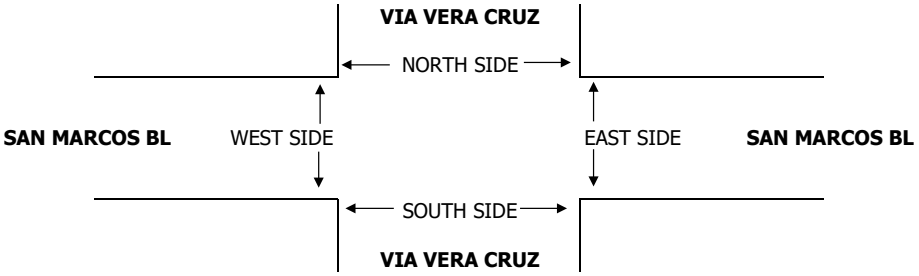
DATE:	LOCATION:	SAN MARCOS	PROJECT #:	ETD22-0520-01
5/19/22	NORTH & SOUTH:	VIA VERA CRUZ	LOCATION #:	4
THURSDAY	EAST & WEST:	SAN MARCOS BL	CONTROL:	SIGNAL

NOTES:

INCLUDES BIKE & PED

AM / PM / MD / OTHER / OTHER — ▲ N, ◄ W, E ►, S ▼

		NORTHBOUND VIA VERA CRUZ			SOUTHBOUND VIA VERA CRUZ			EASTBOUND SAN MARCOS BL			WESTBOUND SAN MARCOS BL				U-TURNS				
	LANES:	NL	NT	NR	SL	ST	SR	EL	ET	ER	WL	WT	WR	TOTAL	NB X	SB X	EB X	WB X	TTL
AM	7:00 AM	5	2	4	2	34	0	2	129	9	6	268	11	472				2	2
	7:15 AM	4	0	1	9	4	12	3	168	1	5	313	15	535		1	1		2
	7:30 AM	4	3	3	10	9	6	5	242	3	9	363	9	666			1	3	4
	7:45 AM	13	0	3	5	11	11	2	220	1	12	306	16	600			5	4	9
	8:00 AM	12	1	1	15	13	15	12	221	3	18	268	21	600				7	7
	8:15 AM	10	0	4	20	14	9	9	212	4	11	211	23	527				2	2
	8:30 AM	6	0	6	23	5	14	7	290	4	11	257	20	643			4	5	9
	8:45 AM	6	0	4	20	3	11	15	204	6	9	261	28	567				8	8
	VOLUMES	60	6	26	104	93	78	55	1,686	31	81	2,247	143	4,610	0	1	11	31	43
	APPROACH %	65%	7%	28%	38%	34%	28%	3%	95%	2%	3%	91%	6%						
	APP/DEPART	92	/	204	275	/	205	1,772	/	1,816	2,471	/	2,385	0					
	BEGIN PEAK HR		7:15 AM																
	VOLUMES	33	4	8	39	37	44	22	851	8	44	1,250	61	2,401					
	APPROACH %	73%	9%	18%	33%	31%	37%	2%	97%	1%	3%	92%	5%						
	PEAK HR FACTOR		0.703			0.698			0.881			0.889		0.901					
	APP/DEPART	45	/	87	120	/	89	881	/	898	1,355	/	1,327	0					
PM	4:00 PM	13	4	17	47	19	14	15	284	42	21	187	43	706				11	11
	4:15 PM	12	13	19	41	19	21	9	224	8	19	221	32	638				5	5
	4:30 PM	15	8	11	52	19	12	13	271	8	1	251	36	697			1	10	11
	4:45 PM	11	6	11	41	20	11	7	264	17	28	235	42	693				4	4
	5:00 PM	14	12	20	40	24	15	9	344	0	17	281	35	811				6	6
	5:15 PM	22	15	24	42	25	12	10	312	2	25	279	43	811				6	6
	5:30 PM	19	19	17	44	25	6	14	312	3	28	250	36	773				7	7
	5:45 PM	15	7	13	51	14	10	12	314	3	28	294	32	793				4	4
	VOLUMES	121	84	132	358	165	101	89	2,325	83	167	1,998	299	5,922	0	0	1	53	54
	APPROACH %	36%	25%	39%	57%	26%	16%	4%	93%	3%	7%	81%	12%						
	APP/DEPART	337	/	472	624	/	415	2,497	/	2,815	2,464	/	2,220	0					
	BEGIN PEAK HR		5:00 PM																
	VOLUMES	70	53	74	177	88	43	45	1,282	8	98	1,104	146	3,188					
	APPROACH %	36%	27%	38%	57%	29%	14%	3%	96%	1%	7%	82%	11%						
	PEAK HR FACTOR		0.807			0.975			0.945			0.952		0.983					
	APP/DEPART	197	/	244	308	/	194	1,335	/	1,533	1,348	/	1,217	0					



		PEDESTRIAN CROSSINGS					PEDESTRIAN ACTIVATIONS					BICYCLE CROSSINGS				
		N SIDE	S SIDE	E SIDE	W SIDE	TOTAL	N SIDE	S SIDE	E SIDE	W SIDE	TOTAL	NS	SS	ES	WS	TOTAL
AM	7:00 AM	1	2			3					0	1				1
	7:15 AM	1				1					0					0
	7:30 AM	2				2					0	2	2	1	1	6
	7:45 AM					0					0	1				1
	8:00 AM					0					0					0
	8:15 AM			1		1					0		1		1	2
	8:30 AM		3	2		5					0					0
	8:45 AM					0					0					0
	TOTAL	4	5	3	0	12	0	0	0	0	0	4	3	1	2	10
PM	4:00 PM		2			2					0	1				1
	4:15 PM	1	2			3					0					0
	4:30 PM	1				1					0					0
	4:45 PM					0					0					0
	5:00 PM				1	1					0					0
	5:15 PM		1		1	2					0		1			1
	5:30 PM		1		1	2					0					0
	5:45 PM			1		1					0					0
	TOTAL	2	6	1	3	12	0	0	0	0	0	1	1	0	0	2

INTERSECTION TURNING MOVEMENT COUNTS

PREPARED BY: ELITE TRAFFIC DYNAMICS, LLC

DATE:	LOCATION:	SAN MARCOS	PROJECT #:	ETD22-0520-01
5/19/22	NORTH & SOUTH:	GRAND	LOCATION #:	7
THURSDAY	EAST & WEST:	SAN MARCOS BL	CONTROL:	SIGNAL

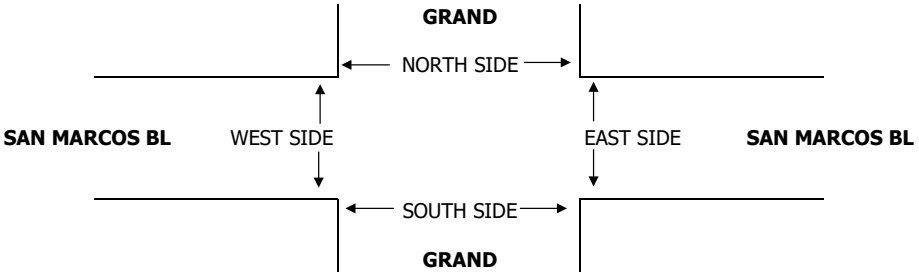
NOTES:

INCLUDES BIKE & PED

AM / PM / MD / OTHER / OTHER

N ▲ S ▼ W ◄ E ►

		NORTHBOUND GRAND			SOUTHBOUND GRAND			EASTBOUND SAN MARCOS BL			WESTBOUND SAN MARCOS BL				U-TURNS				
	LANES:	NL	NT	NR	SL	ST	SR	EL	ET	ER	WL	WT	WR	TOTAL	NB X	SB X	EB X	WB X	TTL
AM	7:00 AM	7	2	8	25	5	7	4	193	4	32	340	39	666			2		2
	7:15 AM	7	6	16	24	8	3	1	188	4	24	355	38	674					0
	7:30 AM	8	5	13	28	9	5	6	250	12	31	362	32	761				1	1
	7:45 AM	7	10	15	44	19	9	4	240	7	38	364	53	810			4		4
	8:00 AM	1	5	21	41	8	2	7	242	7	43	361	56	794			6		6
	8:15 AM	9	4	6	70	14	5	6	244	11	79	271	55	774			11		11
	8:30 AM	9	12	15	55	16	6	4	328	8	53	375	72	953			7	1	8
	8:45 AM	18	11	12	25	12	3	4	241	19	70	357	55	827			9		9
	VOLUMES	66	55	106	312	91	40	36	1,926	72	370	2,785	400	6,259	0	0	39	2	41
	APPROACH %	29%	24%	47%	70%	21%	9%	2%	95%	4%	10%	78%	11%						
	APP/DEPART	227	/	491	443	/	533	2,034	/	2,344	3,555	/	2,891	0					
	BEGIN PEAK HR		8:00 AM																
	VOLUMES	37	32	54	191	50	16	21	1,055	45	245	1,364	238	3,348					
	APPROACH %	30%	26%	44%	74%	19%	6%	2%	94%	4%	13%	74%	13%						
	PEAK HR FACTOR		0.750			0.722			0.824			0.924		0.878					
	APP/DEPART	123	/	291	257	/	340	1,121	/	1,300	1,847	/	1,417	0					
PM	4:00 PM	26	29	48	167	30	1	7	323	31	119	233	41	1,055			2	1	3
	4:15 PM	30	28	65	171	42	10	7	326	27	87	262	29	1,084					0
	4:30 PM	40	29	57	164	52	6	9	307	26	79	274	33	1,076			2		2
	4:45 PM	33	32	59	149	47	10	11	362	33	105	256	36	1,133			7		7
	5:00 PM	40	28	63	156	51	6	14	335	44	86	238	32	1,093			6		6
	5:15 PM	34	25	53	125	40	5	16	325	27	99	274	67	1,090			4	1	5
	5:30 PM	26	33	47	130	41	9	4	335	31	97	289	55	1,097			4		4
	5:45 PM	38	32	42	142	55	4	4	364	32	108	302	52	1,175			3	1	4
	VOLUMES	267	236	434	1,204	358	51	72	2,677	251	780	2,128	345	8,803	0	0	28	3	31
	APPROACH %	28%	25%	46%	75%	22%	3%	2%	89%	8%	24%	65%	11%						
	APP/DEPART	937	/	653	1,613	/	1,389	3,000	/	4,315	3,253	/	2,446	0					
	BEGIN PEAK HR		5:00 PM																
	VOLUMES	138	118	205	553	187	24	38	1,359	134	390	1,103	206	4,455					
	APPROACH %	30%	26%	44%	72%	24%	3%	2%	89%	9%	23%	65%	12%						
	PEAK HR FACTOR		0.880			0.897			0.957			0.919		0.948					
	APP/DEPART	461	/	362	764	/	711	1,531	/	2,117	1,699	/	1,265	0					



		PEDESTRIAN CROSSINGS					PEDESTRIAN ACTIVATIONS					BICYCLE CROSSINGS				
		N SIDE	S SIDE	E SIDE	W SIDE	TOTAL	N SIDE	S SIDE	E SIDE	W SIDE	TOTAL	NS	SS	ES	WS	TOTAL
AM	7:00 AM			2		2					0		1			1
	7:15 AM					0					0					0
	7:30 AM	1		3		4					0			1	1	2
	7:45 AM					0					0			1		1
	8:00 AM	1		1	1	3					0			1		1
	8:15 AM	3		2	1	6					0				1	1
	8:30 AM	2		2		4					0					0
	8:45 AM	3		4		7					0					0
	TOTAL	10	0	14	2	26	0	0	0	0	0	0	1	3	2	6
PM	4:00 PM	4		4	1	9					0	1		1	1	3
	4:15 PM	1		4		5					0				1	1
	4:30 PM	2		3	1	6					0					0
	4:45 PM	1		1		2					0	1		1		2
	5:00 PM			3		3					0	0		1		1
	5:15 PM			3	1	4					0				1	1
	5:30 PM			1		1					0					0
	5:45 PM			1		1					0			1		1
	TOTAL	8	0	20	3	31	0	0	0	0	0	2	0	4	3	9

THURSDAY - MAY 19, 2022 AREA: SAN MARCOS PROJECT: ETD22-0520-01

VIA VERA CRUZ - GRAND AVE TO LINDA VISTA

AM	NB		SB		EB	WB		PM	NB		SB		EB	WB	
00:00	3		5					12:00	83		78				
00:15	1		2					12:15	93		78				
00:30	3		1					12:30	78		118				
00:45	3	10	3	11			21	12:45	79	333	117	391			724
01:00	5		0					13:00	90		98				
01:15	0		0					13:15	80		89				
01:30	3		1					13:30	81		76				
01:45	0	8	0	1			9	13:45	66	317	83	346			663
02:00	0		3					14:00	93		65				
02:15	0		1					14:15	78		89				
02:30	0		0					14:30	86		84				
02:45	0	0	0	4			4	14:45	94	351	88	326			677
03:00	0		0					15:00	70		82				
03:15	0		0					15:15	78		74				
03:30	2		0					15:30	122		83				
03:45	0	2	2	2			4	15:45	104	374	104	343			717
04:00	0		4					16:00	93		79				
04:15	1		6					16:15	79		104				
04:30	3		0					16:30	105		99				
04:45	7	11	9	19			30	16:45	90	367	89	371			738
05:00	2		5					17:00	118		75				
05:15	6		6					17:15	102		75				
05:30	8		12					17:30	93		73				
05:45	17	33	20	43			76	17:45	75	388	100	323			711
06:00	10		19					18:00	67		81				
06:15	13		22					18:15	55		89				
06:30	14		29					18:30	51		75				
06:45	15	52	41	111			163	18:45	37	210	73	318			528
07:00	16		30					19:00	48		56				
07:15	18		64					19:15	36		58				
07:30	23		55					19:30	42		35				
07:45	23	80	96	245			325	19:45	27	153	47	196			349
08:00	29		53					20:00	36		39				
08:15	30		73					20:15	26		29				
08:30	43		60					20:30	22		32				
08:45	33	135	78	264			399	20:45	31	115	37	137			252
09:00	46		65					21:00	34		24				
09:15	47		52					21:15	27		22				
09:30	54		60					21:30	16		13				
09:45	49	196	58	235			431	21:45	22	99	19	78			177
10:00	50		62					22:00	49		13				
10:15	65		64					22:15	13		10				
10:30	58		61					22:30	11		8				
10:45	69	242	69	256			498	22:45	9	82	4	35			117
11:00	74		67					23:00	11		12				
11:15	78		64					23:15	6		8				
11:30	73		65					23:30	4		10				
11:45	84	309	76	272			581	23:45	9	30	4	34			64
Total Vol.		1078		1463			**2541**			2819		2898			**5717**

Daily Totals

NB	SB	EB	WB	**Combined**
3897	4361			**8258**

	AM			**PM**		
Split %	42.4%	57.6%	**30.8%**	49.3%	50.7%	**69.2%**
Peak Hour	11:45	11:45	**11:45**	16:30	12:30	**15:30**
Volume	338	350	**688**	415	422	**768**
P.H.F.	0.91	0.74	**0.88**	0.91	0.89	**0.92**

PREPARED BY: ELITE TRAFFIC DYNAMICS, LLC

THURSDAY - MAY 19, 2022 AREA: SAN MARCOS PROJECT: ETD22-0520-01

VIA VERA CRUZ - LINDA VISTA TO SAN MARCOS BL

AM	NB		SB		EB	WB		PM	NB		SB		EB	WB	
00:00	3		5					12:00	86		77				
00:15	1		0					12:15	97		83				
00:30	1		1					12:30	76		114				
00:45	1	6	1	7			13	12:45	82	341	115	389			730
01:00	1		1					13:00	82		92				
01:15	0		0					13:15	74		79				
01:30	1		0					13:30	75		78				
01:45	0	2	0	1			3	13:45	61	292	77	326			618
02:00	0		2					14:00	76		65				
02:15	1		1					14:15	77		81				
02:30	0		0					14:30	70		76				
02:45	0	1	0	3			4	14:45	76	299	91	313			612
03:00	0		1					15:00	70		76				
03:15	0		0					15:15	75		70				
03:30	0		1					15:30	105		81				
03:45	0	0	2	4			4	15:45	92	342	111	338			680
04:00	0		3					16:00	96		85				
04:15	3		4					16:15	79		104				
04:30	6		1					16:30	92		96				
04:45	3	12	1	9			21	16:45	93	360	88	373			733
05:00	3		3					17:00	106		105				
05:15	5		3					17:15	98		79				
05:30	4		5					17:30	95		73				
05:45	6	18	10	21			39	17:45	66	365	95	352			717
06:00	6		8					18:00	60		83				
06:15	5		10					18:15	43		85				
06:30	11		23					18:30	46		67				
06:45	10	32	29	70			102	18:45	30	179	64	299			478
07:00	13		29					19:00	38		55				
07:15	15		46					19:15	34		60				
07:30	24		59					19:30	42		40				
07:45	21	73	93	227			300	19:45	27	141	45	200			341
08:00	26		52					20:00	34		42				
08:15	29		71					20:15	22		34				
08:30	38		65					20:30	22		29				
08:45	36	129	71	259			388	20:45	29	107	37	142			249
09:00	42		61					21:00	33		29				
09:15	41		48					21:15	22		20				
09:30	50		62					21:30	18		15				
09:45	55	188	59	230			418	21:45	22	95	18	82			177
10:00	54		58					22:00	51		14				
10:15	58		55					22:15	11		13				
10:30	45		69					22:30	10		10				
10:45	69	226	67	249			475	22:45	9	81	4	41			122
11:00	63		67					23:00	12		12				
11:15	74		68					23:15	6		8				
11:30	62		63					23:30	1		9				
11:45	75	274	88	286			560	23:45	10	29	4	33			62
Total Vol.		961		1366			**2327**			2631		2888			**5519**

Daily Totals

NB	SB	EB	WB	**Combined**
3592	4254			**7846**

	AM			**PM**		
Split %	41.3%	58.7%	**29.7%**	47.7%	52.3%	**70.3%**
Peak Hour	11:45	11:45	**11:45**	16:45	12:15	**16:15**
Volume	334	362	**696**	392	404	**763**
P.H.F.	0.86	0.79	**0.92**	0.93	0.88	**0.90**

PREPARED BY: ELITE TRAFFIC DYNAMICS, LLC

THURSDAY - MAY 19, 2022 AREA: SAN MARCOS PROJECT: ETD22-0520-01

GRAND AVE - LAS POSAS TO VIA VERA CRUZ

AM	NB	SB	EB		WB			PM	NB	SB	EB		WB		
00:00			12		25			12:00			184		161		
00:15			10		9			12:15			202		188		
00:30			3		11			12:30			199		207		
00:45			5	30	9	54	84	12:45			185	770	227	783	1553
01:00			7		12			13:00			178		197		
01:15			5		13			13:15			189		153		
01:30			0		7			13:30			175		153		
01:45			2	14	17	49	63	13:45			183	725	147	650	1375
02:00			3		8			14:00			188		166		
02:15			8		9			14:15			180		185		
02:30			3		10			14:30			237		169		
02:45			7	21	6	33	54	14:45			221	826	198	718	1544
03:00			8		13			15:00			188		194		
03:15			10		16			15:15			222		207		
03:30			5		14			15:30			214		209		
03:45			12	35	20	63	98	15:45			235	859	213	823	1682
04:00			16		20			16:00			223		212		
04:15			10		12			16:15			232		186		
04:30			27		9			16:30			206		207		
04:45			24	77	22	63	140	16:45			241	902	199	804	1706
05:00			27		16			17:00			225		232		
05:15			43		20			17:15			166		246		
05:30			72		52			17:30			200		266		
05:45			71	213	63	151	364	17:45			199	790	224	968	1758
06:00			78		63			18:00			172		161		
06:15			82		67			18:15			178		166		
06:30			92		65			18:30			148		157		
06:45			103	355	118	313	668	18:45			158	656	143	627	1283
07:00			108		109			19:00			127		135		
07:15			133		122			19:15			129		112		
07:30			125		155			19:30			105		104		
07:45			150	516	189	575	1091	19:45			114	475	109	460	935
08:00			152		160			20:00			83		87		
08:15			183		134			20:15			105		82		
08:30			188		149			20:30			87		81		
08:45			161	684	136	579	1263	20:45			71	346	77	327	673
09:00			124		121			21:00			86		89		
09:15			131		140			21:15			68		64		
09:30			141		112			21:30			64		72		
09:45			162	558	156	529	1087	21:45			57	275	72	297	572
10:00			144		118			22:00			52		82		
10:15			151		125			22:15			38		44		
10:30			147		134			22:30			33		40		
10:45			156	598	154	531	1129	22:45			12	135	38	204	339
11:00			169		166			23:00			11		39		
11:15			211		136			23:15			15		26		
11:30			169		162			23:30			12		21		
11:45			207	756	157	621	1377	23:45			6	44	25	111	155
Total Vol.				3857		3561	**7418**					6803		6772	**13575**

			Daily Totals		
NB	SB	EB	WB	**Combined**
		10660	10333	**20993**

	AM			**PM**		
Split %	52.0%	48.0%	**35.3%**	50.1%	49.9%	**64.7%**
Peak Hour	11:45	11:45	**11:45**	15:30	17:00	**16:45**
Volume	792	713	**1505**	904	968	**1775**
P.H.F.	0.96	0.86	**0.93**	0.96	0.91	**0.95**

PREPARED BY: ELITE TRAFFIC DYNAMICS, LLC

THURSDAY - MAY 19, 2022 AREA: SAN MARCOS PROJECT: ETD22-0520-01

GRAND - VIA VERA CRUZ TO LINDA VISTA

AM	NB	SB	EB		WB			PM	NB	SB	EB		WB		
00:00			6		3			12:00			87		98		
00:15			4		1			12:15			119		107		
00:30			3		2			12:30			164		93		
00:45			1	14	2	8	22	12:45			162	532	108	406	938
01:00			5		5			13:00			130		90		
01:15			3		3			13:15			79		98		
01:30			1		0			13:30			84		83		
01:45			6	15	7	15	30	13:45			75	368	75	346	714
02:00			0		3			14:00			88		97		
02:15			3		2			14:15			80		102		
02:30			0		4			14:30			111		106		
02:45			1	4	3	12	16	14:45			135	414	102	407	821
03:00			0		3			15:00			113		104		
03:15			2		1			15:15			135		97		
03:30			1		1			15:30			157		98		
03:45			2	5	1	6	11	15:45			155	560	109	408	968
04:00			1		0			16:00			141		114		
04:15			1		1			16:15			181		91		
04:30			4		1			16:30			139		114		
04:45			7	13	5	7	20	16:45			154	615	106	425	1040
05:00			14		2			17:00			134		106		
05:15			9		6			17:15			108		157		
05:30			9		16			17:30			138		136		
05:45			34	66	11	35	101	17:45			126	506	128	527	1033
06:00			28		20			18:00			82		88		
06:15			29		25			18:15			58		84		
06:30			22		25			18:30			54		76		
06:45			31	110	42	112	222	18:45			49	243	64	312	555
07:00			37		30			19:00			60		63		
07:15			37		28			19:15			44		54		
07:30			48		46			19:30			41		53		
07:45			57	179	47	151	330	19:45			38	183	61	231	414
08:00			60		52			20:00			32		57		
08:15			73		55			20:15			40		33		
08:30			80		54			20:30			26		38		
08:45			60	273	67	228	501	20:45			28	126	28	156	282
09:00			42		52			21:00			35		37		
09:15			54		61			21:15			25		28		
09:30			63		68			21:30			28		31		
09:45			73	232	88	269	501	21:45			28	116	20	116	232
10:00			71		63			22:00			18		24		
10:15			57		60			22:15			15		17		
10:30			73		77			22:30			13		16		
10:45			75	276	85	285	561	22:45			5	51	14	71	122
11:00			70		105			23:00			9		15		
11:15			89		82			23:15			10		8		
11:30			72		97			23:30			5		9		
11:45			71	302	80	364	666	23:45			3	27	10	42	69
Total Vol.				1489		1492	**2981**					3741		3447	**7188**

Daily Totals

NB	SB	EB	WB	Combined
		5230	4939	**10169**

	AM			PM		
Split %	49.9%	50.1%	**29.3%**	52.0%	48.0%	**70.7%**
Peak Hour	11:45	11:30	**11:45**	15:30	17:00	**15:30**
Volume	441	382	**819**	634	527	**1046**
P.H.F.	0.67	0.89	**0.80**	0.88	0.84	**0.96**

PREPARED BY: ELITE TRAFFIC DYNAMICS, LLC

THURSDAY - MAY 19, 2022 AREA: SAN MARCOS PROJECT: ETD22-0520-01

GRAND - BENT TO SAN MARCOS BL

AM	NB	SB	EB		WB			PM	NB	SB	EB		WB		
00:00			7		2			12:00			109		93		
00:15			4		1			12:15			138		92		
00:30			3		3			12:30			188		91		
00:45			2	16	1	7	23	12:45			177	612	102	378	990
01:00			4		5			13:00			137		83		
01:15			4		2			13:15			90		101		
01:30			1		0			13:30			102		91		
01:45			2	11	11	18	29	13:45			92	421	78	353	774
02:00			1		3			14:00			106		81		
02:15			2		2			14:15			86		76		
02:30			0		1			14:30			128		83		
02:45			0	3	3	9	12	14:45			165	485	93	333	818
03:00			1		6			15:00			151		82		
03:15			3		7			15:15			172		84		
03:30			3		2			15:30			205		84		
03:45			3	10	4	19	29	15:45			172	700	92	342	1042
04:00			4		1			16:00			180		89		
04:15			6		5			16:15			232		78		
04:30			5		5			16:30			208		88		
04:45			6	21	15	26	47	16:45			194	814	86	341	1155
05:00			4		9			17:00			198		82		
05:15			3		31			17:15			162		123		
05:30			8		31			17:30			167		117		
05:45			25	40	47	118	158	17:45			180	707	107	429	1136
06:00			14		39			18:00			129		78		
06:15			15		42			18:15			87		73		
06:30			28		49			18:30			69		64		
06:45			41	98	63	193	291	18:45			62	347	59	274	621
07:00			35		45			19:00			64		57		
07:15			32		58			19:15			49		46		
07:30			65		65			19:30			53		49		
07:45			74	206	79	247	453	19:45			48	214	54	206	420
08:00			57		78			20:00			42		46		
08:15			87		68			20:15			36		38		
08:30			83		74			20:30			33		27		
08:45			57	284	78	298	582	20:45			36	147	25	136	283
09:00			52		52			21:00			40		31		
09:15			60		60			21:15			27		24		
09:30			63		69			21:30			26		18		
09:45			72	247	79	260	507	21:45			32	125	20	93	218
10:00			74		51			22:00			15		22		
10:15			78		42			22:15			19		15		
10:30			78		67			22:30			16		14		
10:45			85	315	85	245	560	22:45			8	58	19	70	128
11:00			82		118			23:00			10		14		
11:15			98		80			23:15			12		12		
11:30			90		89			23:30			5		8		
11:45			87	357	96	383	740	23:45			6	33	10	44	77
Total Vol.				1608		1823	**3431**					4663		2999	**7662**

			Daily Totals		
	NB	SB	EB	WB	**Combined**
			6271	4822	**11093**

	AM			**PM**		
Split %	46.9%	53.1%	**30.9%**	60.9%	39.1%	**69.1%**
Peak Hour	11:45	11:00	**11:45**	16:15	17:00	**16:15**
Volume	522	383	**894**	832	429	**1166**
P.H.F.	0.69	0.81	**0.80**	0.90	0.87	**0.94**

PREPARED BY: ELITE TRAFFIC DYNAMICS, LLC

THURSDAY - MAY 19, 2022 AREA: SAN MARCOS PROJECT: ETD22-0520-01

LINDA VISTA - VIA VERA CRUZ TO GRAND

AM	NB	SB	EB		WB			PM	NB	SB	EB		WB		
00:00			1		1			12:00			56		26		
00:15			0		0			12:15			57		43		
00:30			0		0			12:30			61		37		
00:45			1	2	1	2	4	12:45			44	218	35	141	359
01:00			1		0			13:00			37		27		
01:15			1		0			13:15			26		36		
01:30			2		1			13:30			47		30		
01:45			1	5	0	1	6	13:45			45	155	23	116	271
02:00			1		1			14:00			43		21		
02:15			0		0			14:15			48		30		
02:30			3		1			14:30			67		39		
02:45			0	4	0	2	6	14:45			66	224	33	123	347
03:00			1		0			15:00			43		32		
03:15			0		2			15:15			64		33		
03:30			1		2			15:30			79		31		
03:45			1	3	1	5	8	15:45			75	261	24	120	381
04:00			1		1			16:00			99		24		
04:15			1		2			16:15			83		28		
04:30			1		3			16:30			94		27		
04:45			1	4	5	11	15	16:45			97	373	32	111	484
05:00			3		5			17:00			69		23		
05:15			2		18			17:15			62		21		
05:30			9		17			17:30			58		24		
05:45			10	24	27	67	91	17:45			61	250	27	95	345
06:00			7		25			18:00			47		27		
06:15			8		18			18:15			33		26		
06:30			16		29			18:30			22		19		
06:45			18	49	38	110	159	18:45			21	123	11	83	206
07:00			12		33			19:00			18		9		
07:15			19		38			19:15			13		9		
07:30			28		35			19:30			12		8		
07:45			35	94	49	155	249	19:45			12	55	7	33	88
08:00			22		43			20:00			19		13		
08:15			41		42			20:15			7		9		
08:30			29		36			20:30			7		7		
08:45			39	131	42	163	294	20:45			18	51	9	38	89
09:00			32		23			21:00			10		4		
09:15			25		13			21:15			6		1		
09:30			25		17			21:30			6		1		
09:45			33	115	28	81	196	21:45			6	28	2	8	36
10:00			32		22			22:00			4		1		
10:15			35		20			22:15			4		1		
10:30			30		24			22:30			2		3		
10:45			25	122	29	95	217	22:45			2	12	1	6	18
11:00			40		43			23:00			3		4		
11:15			34		28			23:15			1		2		
11:30			47		35			23:30			2		0		
11:45			26	147	31	137	284	23:45			1	7	2	8	15
Total Vol.				700		829	**1529**					1757		882	**2639**

Daily Totals

NB	SB	EB	WB	Combined
		2457	1711	**4168**

	AM			PM		
Split %	45.8%	54.2%	**36.7%**	66.6%	33.4%	**63.3%**
Peak Hour	11:45	07:45	**11:45**	16:00	12:15	**16:00**
Volume	200	170	**337**	373	142	**484**
P.H.F.	0.82	0.87	**0.84**	0.94	0.83	**0.94**

PREPARED BY: ELITE TRAFFIC DYNAMICS, LLC

THURSDAY - MAY 19, 2022 AREA: SAN MARCOS PROJECT: ETD22-0520-01

SAN MARCOS BL - VIA VERA CRUZ TO GRAND

AM	NB	SB	EB		WB			PM	NB	SB	EB		WB		
00:00			68		15			12:00			276		322		
00:15			56		18			12:15			296		294		
00:30			24		13			12:30			292		305		
00:45			15	163	4	50	213	12:45			326	1190	331	1252	2442
01:00			25		11			13:00			300		299		
01:15			18		17			13:15			335		253		
01:30			18		15			13:30			319		276		
01:45			16	77	13	56	133	13:45			330	1284	296	1124	2408
02:00			30		7			14:00			355		299		
02:15			19		11			14:15			364		305		
02:30			10		27			14:30			368		331		
02:45			11	70	25	70	140	14:45			375	1462	299	1234	2696
03:00			13		21			15:00			330		294		
03:15			11		14			15:15			335		303		
03:30			19		41			15:30			382		267		
03:45			15	58	38	114	172	15:45			359	1406	272	1136	2542
04:00			20		49			16:00			349		264		
04:15			24		62			16:15			296		304		
04:30			35		109			16:30			327		321		
04:45			32	111	146	366	477	16:45			344	1316	305	1194	2510
05:00			44		103			17:00			363		321		
05:15			35		183			17:15			335		348		
05:30			84		285			17:30			380		327		
05:45			81	244	271	842	1086	17:45			344	1422	380	1376	2798
06:00			97		237			18:00			325		344		
06:15			127		226			18:15			307		281		
06:30			170		360			18:30			324		276		
06:45			185	579	285	1108	1687	18:45			279	1235	231	1132	2367
07:00			183		338			19:00			263		195		
07:15			181		350			19:15			287		177		
07:30			247		388			19:30			275		198		
07:45			214	825	356	1432	2257	19:45			242	1067	171	741	1808
08:00			243		305			20:00			233		147		
08:15			268		288			20:15			213		142		
08:30			322		322			20:30			186		139		
08:45			258	1091	356	1271	2362	20:45			232	864	134	562	1426
09:00			204		290			21:00			225		142		
09:15			242		299			21:15			180		102		
09:30			226		364			21:30			171		120		
09:45			242	914	287	1240	2154	21:45			152	728	111	475	1203
10:00			239		273			22:00			123		83		
10:15			248		300			22:15			118		71		
10:30			258		285			22:30			125		60		
10:45			250	995	279	1137	2132	22:45			90	456	48	262	718
11:00			242		353			23:00			102		37		
11:15			315		299			23:15			73		27		
11:30			274		364			23:30			83		25		
11:45			297	1128	321	1337	2465	23:45			70	328	22	111	439
Total Vol.				6255		9023	**15278**					12758		10599	**23357**

			Daily Totals		
NB	SB	EB	WB	**Combined**
		19013	19622	**38635**

	AM			**PM**		
Split %	40.9%	59.1%	**39.5%**	54.6%	45.4%	**60.5%**
Peak Hour	11:15	07:00	**11:15**	14:00	17:15	**17:00**
Volume	1162	1432	**2468**	1462	1399	**2798**
P.H.F.	0.92	0.92	**0.97**	0.97	0.92	**0.97**

PREPARED BY: ELITE TRAFFIC DYNAMICS, LLC

Turn Count Summary

Accurate Video Counts Inc
info@accuratevideocounts.com
(619) 987-5136

Location: Grand Avenue @ Bent Avenue

Date of Count: *Tuesday, November 28, 2017*

Analysts: *LV/CD*

Weather: *Sunny*

AVC Proj No: *17-0786*

Vehicular Count

Accurate Video Counts Inc
info@accuratevideocounts.com
(619) 987-5136

Location: Grand Avenue @ Bent Avenue

AM Period (7:00 AM - 9:00 AM)								
		Westbound		Northbound		Eastbound		
		Thru	Left	Right	Left	Right	Thru	TOTAL
7:00 AM		45	0	2	7	11	22	87
7:15 AM		73	1	1	11	10	33	129
7:30 AM		79	3	2	12	17	41	154
7:45 AM		73	1	3	17	14	32	140
8:00 AM		83	3	3	16	19	46	170
8:15 AM		68	3	3	18	22	54	168
8:30 AM		50	4	4	18	37	60	173
8:45 AM		78	9	4	28	32	61	212
Total		549	24	22	127	162	349	1,233

AM Intersection Peak Hour : **8:00 AM - 9:00 AM** Intersection PHF : **0.85**

		Westbound		Northbound		Eastbound		TOTAL
		Thru	Left	Right	Left	Right	Thru	
Volume		279	19	14	80	110	221	723
PHF		0.84	0.53	0.88	0.71	0.74	0.91	0.85
Movement PHF		0.86		0.73			0.85	0.85

PM Period (4:00 PM - 6:00 PM)								
		Westbound		Northbound		Eastbound		
		Thru	Left	Right	Left	Right	Thru	TOTAL
4:00 PM		84	7	15	60	62	230	458
4:15 PM		103	7	11	65	61	274	521
4:30 PM		103	11	19	60	62	206	461
4:45 PM		137	3	19	62	60	232	513
5:00 PM		108	9	18	76	53	263	527
5:15 PM		114	5	11	50	57	258	495
5:30 PM		140	3	15	57	64	213	492
5:45 PM		131	8	15	46	65	281	546
Total		920	53	123	476	484	1,957	4,013

PM Intersection Peak Hour : **5:00 PM - 6:00 PM** Intersection PHF : **0.94**

		Westbound		Northbound		Eastbound		TOTAL
		Thru	Left	Right	Left	Right	Thru	
Volume		493	25	59	229	239	1015	2060
PHF		0.88	0.694	0.819	0.753	0.919	0.903	0.94
Movement PHF		0.91		0.77			0.91	0.94

#2

Prepared by National Data & Surveying Services

Via Vera Cruz & San Marcos Blvd

Peak Hour Turning Movement Count

ID: 18-04201-001
City: San Marcos

Day: Thursday
Date: 05/24/2018

PEAK HOURS

AM	08:00 AM - 09:00 AM
NOON	NONE
PM	04:30 PM - 05:30 PM

COUNT PERIODS

AM	07:00 AM - 09:00 AM
NOON	NONE
PM	04:00 PM - 06:00 PM

Via Vera Cruz — SOUTHBOUND

AM	26	105	55	0	258	AM
NOON	0	0	0	0	0	NOON
PM	50	262	167	0	348	PM
	0	1	2	0		

San Marcos Blvd — EASTBOUND

AM	NOON	PM	
1002	0	1050	
0	0	10	0
39	0	71	1
967	0	1144	2
34	0	56	0
AM	NOON	PM	

CONTROL

Signalized

TEV	2552	0	3167
	AM	NOON	PM
PHF	0.96		0.98

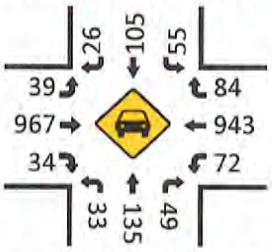
San Marcos Blvd — WESTBOUND

PM	NOON	AM	
0	0	0	
112	0	84	0
927	0	943	2
74	0	72	1
21	0	10	0
1377	0	1081	
PM	NOON	AM	

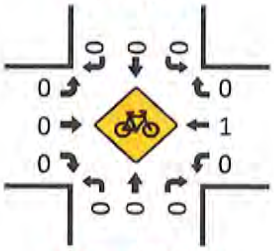
	0	1	1.5	0.5		
PM	392	0	63	165	45	PM
NOON	0	0	0	0	0	NOON
AM	211	0	33	135	49	AM

Via Vera Cruz — NORTHBOUND

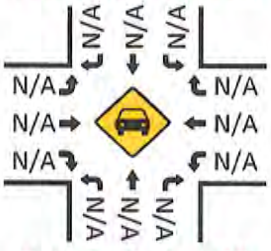
Total Vehicles (AM)



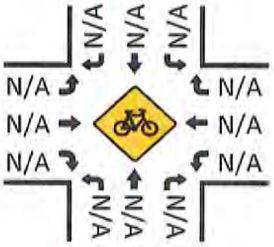
Bikes (AM)



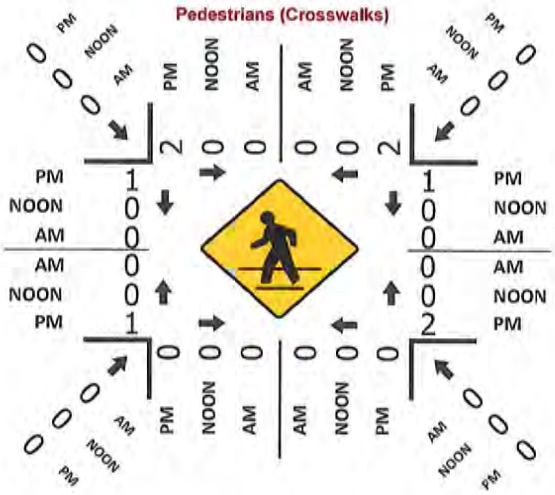
Total Vehicles (NOON)



Bikes (NOON)



Pedestrians (Crosswalks)

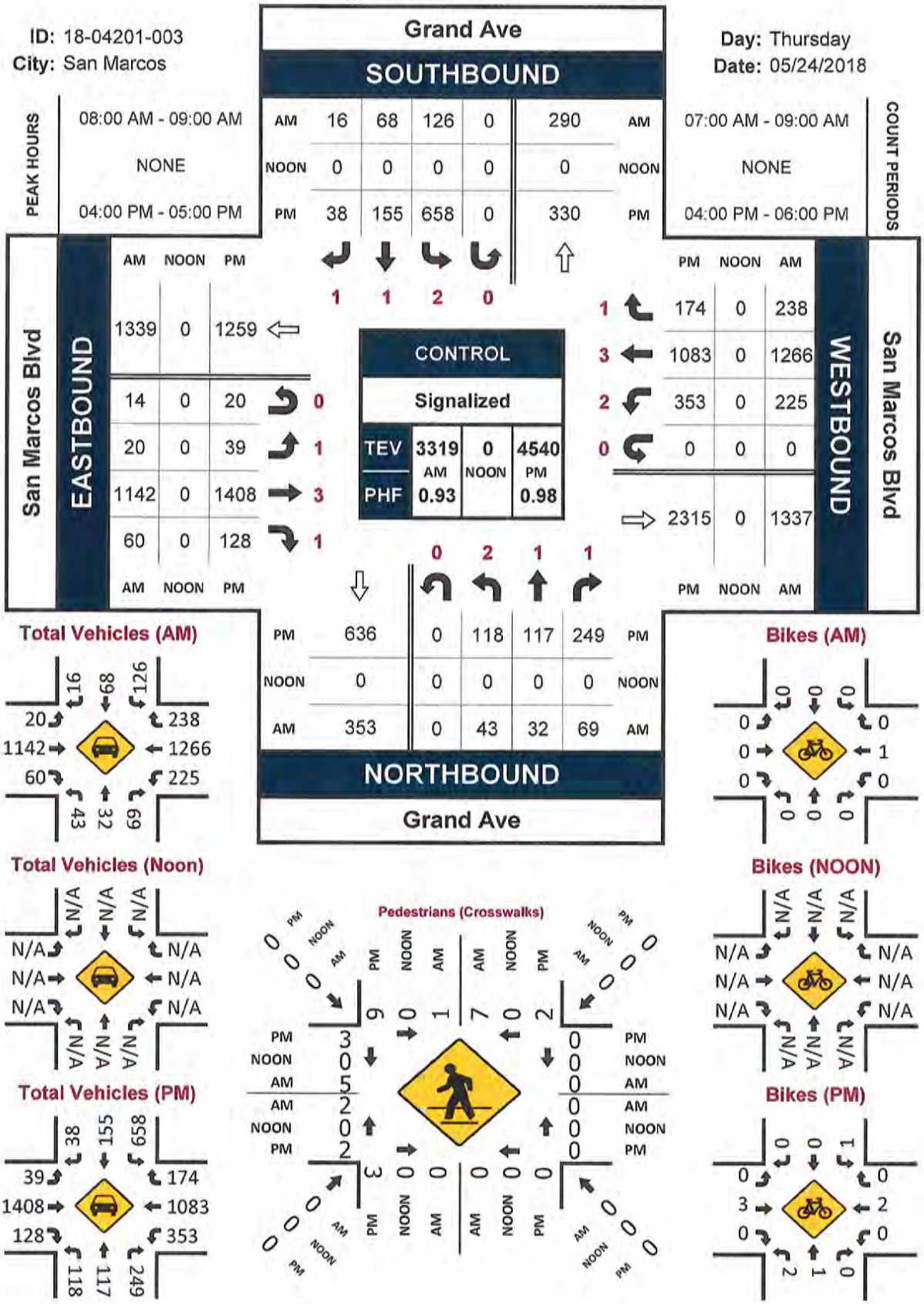

PM
NOON
AM
0
2
1
0
0
0
0

#4

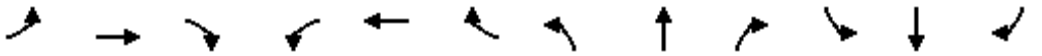
Prepared by National Data & Surveying Services

Grand Ave & San Marcos Blvd

Peak Hour Turning Movement Count



Appendix G - LOS Calculation Worksheets Existing Conditions



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	108	202	14	109	163	368	22	258	95	359	621	453
Future Volume (veh/h)	108	202	14	109	163	368	22	258	95	359	621	453
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		0.98	1.00		1.00	1.00		0.97	1.00		0.98
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No			No			No			No	
Adj Sat Flow, veh/h/ln	1826	1826	1826	1826	1826	1826	1826	1826	1826	1826	1826	1826
Adj Flow Rate, veh/h	115	215	13	116	173	263	23	274	90	382	661	376
Peak Hour Factor	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94
Percent Heavy Veh, %	5	5	5	5	5	5	5	5	5	5	5	5
Cap, veh/h	237	365	22	141	221	1662	53	426	130	1651	1984	975
Arrive On Green	0.07	0.11	0.11	0.08	0.12	0.12	0.03	0.11	0.11	0.49	0.57	0.57
Sat Flow, veh/h	3374	3321	199	1739	1826	2723	1739	3754	1151	3374	3469	1514
Grp Volume(v), veh/h	115	112	116	116	173	263	23	240	124	382	661	376
Grp Sat Flow(s),veh/h/ln	1687	1735	1786	1739	1826	1362	1739	1662	1581	1687	1735	1514
Q Serve(g_s), s	4.1	7.7	7.8	8.3	11.6	1.6	1.6	8.7	9.5	8.2	12.7	14.9
Cycle Q Clear(g_c), s	4.1	7.7	7.8	8.3	11.6	1.6	1.6	8.7	9.5	8.2	12.7	14.9
Prop In Lane	1.00		0.11	1.00		1.00	1.00		0.73	1.00		1.00
Lane Grp Cap(c), veh/h	237	191	196	141	221	1662	53	377	179	1651	1984	975
V/C Ratio(X)	0.49	0.59	0.59	0.82	0.78	0.16	0.43	0.64	0.69	0.23	0.33	0.39
Avail Cap(c_a), veh/h	428	385	397	221	406	1938	221	949	452	1651	1984	975
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	0.96	0.96	0.96	1.00	1.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	56.4	53.3	53.4	57.0	53.8	2.9	60.0	53.4	53.7	18.5	14.3	10.7
Incr Delay (d2), s/veh	1.5	2.8	2.8	12.6	5.8	0.0	5.4	8.0	19.6	0.1	0.5	1.2
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	1.8	3.5	3.6	4.0	5.6	0.6	0.8	4.0	4.7	3.2	5.1	4.8
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	57.9	56.2	56.2	69.6	59.6	3.0	65.4	61.4	73.3	18.6	14.7	11.9
LnGrp LOS	E	E	E	E	E	A	E	E	E	B	B	B
Approach Vol, veh/h		343			552			387			1419	
Approach Delay, s/veh		56.8			34.7			65.4			15.0	
Approach LOS		E			C			E			B	

Timer - Assigned Phs	1	2	3	4	5	6	7	8
Phs Duration (G+Y+Rc), s	68.2	20.8	16.7	20.3	10.4	78.6	15.3	21.7
Change Period (Y+Rc), s	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5
Max Green Setting (Gmax), s	20.0	36.0	16.0	28.0	16.0	40.0	16.0	28.0
Max Q Clear Time (g_c+I1), s	10.2	11.5	10.3	9.8	3.6	16.9	6.1	13.6
Green Ext Time (p_c), s	1.0	2.1	0.1	1.0	0.0	6.4	0.2	1.6

Intersection Summary	
HCM 6th Ctrl Delay	31.6
HCM 6th LOS	C

Notes

User approved pedestrian interval to be less than phase max green.

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	357	174	130	42	148	9	56	53	13	85	255	427
Future Volume (veh/h)	357	174	130	42	148	9	56	53	13	85	255	427
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No			No			No			No	
Adj Sat Flow, veh/h/ln	1826	1826	1826	1826	1826	1826	1826	1826	1826	1826	1826	1826
Adj Flow Rate, veh/h	384	187	108	45	159	9	58	59	12	91	274	351
Peak Hour Factor	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93
Percent Heavy Veh, %	5	5	5	5	5	5	5	5	5	5	5	5
Cap, veh/h	405	703	479	136	559	250	186	195	165	687	287	368
Arrive On Green	0.12	0.20	0.20	0.08	0.16	0.16	0.11	0.11	0.11	0.39	0.39	0.39
Sat Flow, veh/h	3374	3469	1547	1739	3469	1547	1739	1826	1547	1739	727	931
Grp Volume(v), veh/h	384	187	108	45	159	9	58	59	12	91	0	625
Grp Sat Flow(s),veh/h/ln	1687	1735	1547	1739	1735	1547	1739	1826	1547	1739	0	1658
Q Serve(g_s), s	11.3	4.5	5.2	2.4	4.0	0.5	3.1	3.0	0.7	3.3	0.0	36.6
Cycle Q Clear(g_c), s	11.3	4.5	5.2	2.4	4.0	0.5	3.1	3.0	0.7	3.3	0.0	36.6
Prop In Lane	1.00		1.00	1.00		1.00	1.00		1.00	1.00		0.56
Lane Grp Cap(c), veh/h	405	703	479	136	559	250	186	195	165	687	0	655
V/C Ratio(X)	0.95	0.27	0.23	0.33	0.28	0.04	0.31	0.30	0.07	0.13	0.00	0.95
Avail Cap(c_a), veh/h	405	703	479	261	559	250	278	292	248	715	0	682
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	0.82	0.82	0.82	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00
Uniform Delay (d), s/veh	43.7	33.6	25.6	43.6	36.9	35.4	41.3	41.2	40.2	19.3	0.0	29.4
Incr Delay (d2), s/veh	28.0	0.8	0.9	0.5	1.3	0.3	0.4	0.3	0.1	0.0	0.0	23.0
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	6.1	1.9	2.3	1.0	1.7	0.2	1.3	1.3	0.3	1.3	0.0	18.2
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	71.7	34.3	26.5	44.1	38.1	35.7	41.6	41.5	40.3	19.4	0.0	52.4
LnGrp LOS	E	C	C	D	D	D	D	D	D	B	A	D
Approach Vol, veh/h		679			213			129			716	
Approach Delay, s/veh		54.2			39.3			41.4			48.2	
Approach LOS		D			D			D			D	

Timer - Assigned Phs	1	2		4	5	6		8
Phs Duration (G+Y+Rc), s	12.5	27.1		44.6	16.7	22.9		15.8
Change Period (Y+Rc), s	* 4.7	6.8		5.1	* 4.7	6.8		5.1
Max Green Setting (Gmax), s	* 15	6.2		41.1	* 12	9.2		16.0
Max Q Clear Time (g_c+I1), s	14.4	7.2		38.6	13.3	6.0		5.1
Green Ext Time (p_c), s	0.0	0.0		0.9	0.0	0.1		0.2

Intersection Summary		
HCM 6th Ctrl Delay	49.0	
HCM 6th LOS	D	

Notes

User approved pedestrian interval to be less than phase max green.
User approved volume balancing among the lanes for turning movement.
* HCM 6th computational engine requires equal clearance times for the phases crossing the barrier.

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	19	104	33	11	130	19	21	82	8	10	242	34
Future Volume (veh/h)	19	104	33	11	130	19	21	82	8	10	242	34
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		0.99	1.00		1.00	1.00		1.00	1.00		0.98
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No			No			No			No	
Adj Sat Flow, veh/h/ln	1826	1826	1826	1826	1826	1826	1826	1826	1826	1826	1826	1826
Adj Flow Rate, veh/h	21	114	33	12	143	19	23	90	8	11	266	33
Peak Hour Factor	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91
Percent Heavy Veh, %	5	5	5	5	5	5	5	5	5	5	5	5
Cap, veh/h	54	246	71	33	521	68	49	603	53	30	546	67
Arrive On Green	0.03	0.18	0.18	0.02	0.17	0.17	0.03	0.19	0.19	0.02	0.18	0.18
Sat Flow, veh/h	1739	1356	393	1739	3084	403	1739	3226	283	1739	3104	381
Grp Volume(v), veh/h	21	0	147	12	79	83	23	48	50	11	147	152
Grp Sat Flow(s),veh/h/ln	1739	0	1749	1739	1735	1753	1739	1735	1775	1739	1735	1750
Q Serve(g_s), s	0.5	0.0	3.0	0.3	1.6	1.7	0.5	0.9	1.0	0.3	3.1	3.2
Cycle Q Clear(g_c), s	0.5	0.0	3.0	0.3	1.6	1.7	0.5	0.9	1.0	0.3	3.1	3.2
Prop In Lane	1.00		0.22	1.00		0.23	1.00		0.16	1.00		0.22
Lane Grp Cap(c), veh/h	54	0	317	33	293	296	49	324	332	30	305	308
V/C Ratio(X)	0.39	0.00	0.46	0.37	0.27	0.28	0.47	0.15	0.15	0.37	0.48	0.49
Avail Cap(c_a), veh/h	1079	0	1302	1079	1292	1306	1079	1722	1762	1079	1722	1737
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	19.1	0.0	14.7	19.5	14.6	14.6	19.3	13.7	13.7	19.6	14.9	15.0
Incr Delay (d2), s/veh	4.5	0.0	1.1	6.8	0.5	0.5	6.8	0.2	0.2	7.3	1.2	1.2
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	0.2	0.0	1.1	0.2	0.5	0.6	0.3	0.3	0.3	0.1	1.0	1.1
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	23.6	0.0	15.8	26.3	15.1	15.1	26.1	13.9	13.9	26.9	16.1	16.2
LnGrp LOS	C	A	B	C	B	B	C	B	B	C	B	B
Approach Vol, veh/h		168			174			121			310	
Approach Delay, s/veh		16.8			15.9			16.2			16.5	
Approach LOS		B			B			B			B	

Timer - Assigned Phs	1	2	3	4	5	6	7	8
Phs Duration (G+Y+Rc), s	6.7	13.5	6.8	13.3	7.1	13.1	7.3	12.8
Change Period (Y+Rc), s	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
Max Green Setting (Gmax), s	25.0	40.0	25.0	30.0	25.0	40.0	25.0	30.0
Max Q Clear Time (g_c+I1), s	2.3	3.0	2.3	5.0	2.5	5.2	2.5	3.7
Green Ext Time (p_c), s	0.0	0.5	0.0	0.8	0.0	1.7	0.0	0.8

Intersection Summary	
HCM 6th Ctrl Delay	16.4
HCM 6th LOS	B

Notes

User approved pedestrian interval to be less than phase max green.

Intersection	
Int Delay, s/veh	3.4

Movement	EBT	EBR	WBL	WBT	NBL	NBR
Lane Configurations						
Traffic Vol, veh/h	254	15	156	186	4	112
Future Vol, veh/h	254	15	156	186	4	112
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Stop	Stop
RT Channelized	-	None	-	None	-	None
Storage Length	-	-	65	-	0	-
Veh in Median Storage, #	0	-	-	0	0	-
Grade, %	0	-	-	0	0	-
Peak Hour Factor	93	93	93	93	93	93
Heavy Vehicles, %	5	5	5	5	5	5
Mvmt Flow	273	16	168	200	4	120

Major/Minor	Major1		Major2		Minor1	
Conflicting Flow All	0	0	289	0	717	145
Stage 1	-	-	-	-	281	-
Stage 2	-	-	-	-	436	-
Critical Hdwy	-	-	4.2	-	6.9	7
Critical Hdwy Stg 1	-	-	-	-	5.9	-
Critical Hdwy Stg 2	-	-	-	-	5.9	-
Follow-up Hdwy	-	-	2.25	-	3.55	3.35
Pot Cap-1 Maneuver	-	-	1248	-	358	867
Stage 1	-	-	-	-	733	-
Stage 2	-	-	-	-	611	-
Platoon blocked, %	-	-		-		
Mov Cap-1 Maneuver	-	-	1248	-	310	867
Mov Cap-2 Maneuver	-	-	-	-	310	-
Stage 1	-	-	-	-	733	-
Stage 2	-	-	-	-	529	-

Approach	EB	WB	NB
HCM Control Delay, s	0	3.8	10.2
HCM LOS			B

Minor Lane/Major Mvmt	NBLn1	EBT	EBR	WBL	WBT
Capacity (veh/h)	816	-	-	1248	-
HCM Lane V/C Ratio	0.153	-	-	0.134	-
HCM Control Delay (s)	10.2	-	-	8.3	-
HCM Lane LOS	B	-	-	A	-
HCM 95th %tile Q(veh)	0.5	-	-	0.5	-

Movement	EBT	EBR	WBL	WBT	NBL	NBR
Lane Configurations						
Traffic Volume (veh/h)	271	96	21	251	92	17
Future Volume (veh/h)	271	96	21	251	92	17
Initial Q (Qb), veh	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)		1.00	1.00		1.00	1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach	No			No	No	
Adj Sat Flow, veh/h/ln	1826	1826	1826	1826	1826	1826
Adj Flow Rate, veh/h	295	93	23	273	100	13
Peak Hour Factor	0.92	0.92	0.92	0.92	0.92	0.92
Percent Heavy Veh, %	5	5	5	5	5	5
Cap, veh/h	1055	326	59	2008	226	201
Arrive On Green	0.40	0.40	0.03	0.58	0.13	0.13
Sat Flow, veh/h	2700	807	1739	3561	1739	1547
Grp Volume(v), veh/h	194	194	23	273	100	13
Grp Sat Flow(s),veh/h/ln	1735	1681	1739	1735	1739	1547
Q Serve(g_s), s	2.8	2.9	0.5	1.3	2.0	0.3
Cycle Q Clear(g_c), s	2.8	2.9	0.5	1.3	2.0	0.3
Prop In Lane		0.48	1.00		1.00	1.00
Lane Grp Cap(c), veh/h	702	680	59	2008	226	201
V/C Ratio(X)	0.28	0.28	0.39	0.14	0.44	0.06
Avail Cap(c_a), veh/h	1076	1043	281	2008	1172	1043
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	7.4	7.4	17.5	3.6	14.9	14.2
Incr Delay (d2), s/veh	0.2	0.2	4.1	0.0	1.4	0.1
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	0.6	0.6	0.2	0.1	0.7	0.1
Unsig. Movement Delay, s/veh						
LnGrp Delay(d),s/veh	7.6	7.7	21.6	3.6	16.3	14.3
LnGrp LOS	A	A	C	A	B	B
Approach Vol, veh/h	388			296	113	
Approach Delay, s/veh	7.6			5.0	16.0	
Approach LOS	A			A	B	

Timer - Assigned Phs	1	2				6	8
Phs Duration (G+Y+Rc), s	6.5	20.8				27.3	9.8
Change Period (Y+Rc), s	* 5.2	5.8				5.8	5.0
Max Green Setting (Gmax), s	* 6	23.0				15.0	25.0
Max Q Clear Time (g_c+I1), s	2.5	4.9				3.3	4.0
Green Ext Time (p_c), s	0.0	1.9				1.1	0.3

Intersection Summary	
HCM 6th Ctrl Delay	7.8
HCM 6th LOS	A

Notes

* HCM 6th computational engine requires equal clearance times for the phases crossing the barrier.

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	22	851	8	44	1250	61	33	4	8	39	37	44
Future Volume (veh/h)	22	851	8	44	1250	61	33	4	8	39	37	44
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		0.98	1.00		0.99	1.00		0.98	1.00		0.98
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No			No			No			No	
Adj Sat Flow, veh/h/ln	1826	1826	1826	1826	1826	1826	1826	1826	1826	1826	1826	1826
Adj Flow Rate, veh/h	24	946	8	49	1389	57	37	4	8	43	41	43
Peak Hour Factor	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90
Percent Heavy Veh, %	5	5	5	5	5	5	5	5	5	5	5	5
Cap, veh/h	48	2227	19	70	2187	90	82	116	102	150	55	58
Arrive On Green	0.03	0.63	0.63	0.04	0.64	0.64	0.05	0.07	0.07	0.04	0.07	0.07
Sat Flow, veh/h	1739	3525	30	1739	3394	139	1739	1735	1524	3374	809	849
Grp Volume(v), veh/h	24	466	488	49	709	737	37	4	8	43	0	84
Grp Sat Flow(s),veh/h/ln	1739	1735	1820	1739	1735	1798	1739	1735	1524	1687	0	1658
Q Serve(g_s), s	1.6	16.2	16.2	3.3	29.5	29.6	2.5	0.3	0.6	1.5	0.0	6.0
Cycle Q Clear(g_c), s	1.6	16.2	16.2	3.3	29.5	29.6	2.5	0.3	0.6	1.5	0.0	6.0
Prop In Lane	1.00		0.02	1.00		0.08	1.00		1.00	1.00		0.51
Lane Grp Cap(c), veh/h	48	1096	1150	70	1118	1159	82	116	102	150	0	113
V/C Ratio(X)	0.50	0.42	0.42	0.70	0.63	0.64	0.45	0.03	0.08	0.29	0.00	0.74
Avail Cap(c_a), veh/h	225	1096	1150	225	1118	1159	232	369	324	436	0	352
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.99	0.00	0.99
Uniform Delay (d), s/veh	57.5	11.1	11.1	56.9	12.8	12.9	55.6	52.4	52.5	55.5	0.0	54.9
Incr Delay (d2), s/veh	7.9	1.2	1.2	11.9	2.7	2.7	3.8	0.1	0.3	1.0	0.0	9.1
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	0.8	5.9	6.2	1.7	10.8	11.2	1.2	0.1	0.2	0.6	0.0	2.7
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	65.4	12.3	12.3	68.8	15.6	15.5	59.5	52.5	52.8	56.5	0.0	63.9
LnGrp LOS	E	B	B	E	B	B	E	D	D	E	A	E
Approach Vol, veh/h		978			1495			49			127	
Approach Delay, s/veh		13.6			17.3			57.8			61.4	
Approach LOS		B			B			E			E	

Timer - Assigned Phs	1	2	3	4	5	6	7	8
Phs Duration (G+Y+Rc), s	11.3	82.3	11.7	14.7	9.8	83.8	11.8	14.5
Change Period (Y+Rc), s	6.5	6.5	6.0	6.5	6.5	6.5	6.5	6.5
Max Green Setting (Gmax), s	15.5	15.5	16.0	25.5	15.5	37.5	15.5	25.5
Max Q Clear Time (g_c+I1), s	5.3	18.2	4.5	8.0	3.6	31.6	3.5	2.6
Green Ext Time (p_c), s	0.0	0.0	0.0	0.3	0.0	4.0	0.1	0.0

Intersection Summary	
HCM 6th Ctrl Delay	18.8
HCM 6th LOS	B

Notes

User approved pedestrian interval to be less than phase max green.

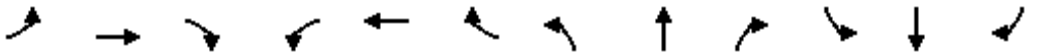
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	21	1055	45	245	1364	238	37	32	54	191	50	16
Future Volume (veh/h)	21	1055	45	245	1364	238	37	32	54	191	50	16
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		0.96	1.00		0.98
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No			No			No			No	
Adj Sat Flow, veh/h/ln	1826	1826	1826	1826	1826	1826	1826	1826	1826	1826	1826	1826
Adj Flow Rate, veh/h	24	1199	40	278	1550	213	42	36	50	217	57	12
Peak Hour Factor	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88
Percent Heavy Veh, %	5	5	5	5	5	5	5	5	5	5	5	5
Cap, veh/h	56	2632	946	225	2825	999	281	165	237	275	162	134
Arrive On Green	0.03	0.53	0.53	0.07	0.57	0.57	0.08	0.09	0.09	0.08	0.09	0.09
Sat Flow, veh/h	1739	4985	1547	3374	4985	1540	3374	1826	1480	3374	1826	1515
Grp Volume(v), veh/h	24	1199	40	278	1550	213	42	36	50	217	57	12
Grp Sat Flow(s),veh/h/ln	1739	1662	1547	1687	1662	1540	1687	1826	1480	1687	1826	1515
Q Serve(g_s), s	1.6	17.9	1.2	8.0	23.5	1.7	1.4	2.2	2.5	7.6	3.5	0.9
Cycle Q Clear(g_c), s	1.6	17.9	1.2	8.0	23.5	1.7	1.4	2.2	2.5	7.6	3.5	0.9
Prop In Lane	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Lane Grp Cap(c), veh/h	56	2632	946	225	2825	999	281	165	237	275	162	134
V/C Ratio(X)	0.43	0.46	0.04	1.24	0.55	0.21	0.15	0.22	0.21	0.79	0.35	0.09
Avail Cap(c_a), veh/h	123	2632	946	225	2825	999	281	548	547	365	593	492
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	57.0	17.6	9.3	56.0	16.3	2.1	51.1	50.6	22.6	54.1	51.4	50.2
Incr Delay (d2), s/veh	5.1	0.6	0.1	138.4	0.8	0.5	0.2	0.7	0.4	8.2	1.3	0.3
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	0.8	6.5	0.4	7.6	8.4	1.0	0.6	1.0	1.1	3.4	1.6	0.3
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	62.1	18.2	9.4	194.4	17.1	2.5	51.3	51.3	23.0	62.3	52.8	50.5
LnGrp LOS	E	B	A	F	B	A	D	D	C	E	D	D
Approach Vol, veh/h		1263			2041			128			286	
Approach Delay, s/veh		18.7			39.7			40.2			59.9	
Approach LOS		B			D			D			E	

Timer - Assigned Phs	1	2	3	4	5	6	7	8
Phs Duration (G+Y+Rc), s	10.4	75.0	17.0	17.6	15.0	70.4	16.8	17.8
Change Period (Y+Rc), s	6.5	7.0	7.0	7.0	7.0	* 7	7.0	7.0
Max Green Setting (Gmax), s	8.5	35.0	10.0	39.0	8.0	* 36	13.0	36.0
Max Q Clear Time (g_c+I1), s	3.6	25.5	3.4	5.5	10.0	19.9	9.6	4.5
Green Ext Time (p_c), s	0.0	6.7	0.0	0.3	0.0	7.1	0.2	0.3

Intersection Summary	
HCM 6th Ctrl Delay	34.2
HCM 6th LOS	C

Notes

* HCM 6th computational engine requires equal clearance times for the phases crossing the barrier.



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	311	366	52	61	128	611	42	876	236	310	525	260
Future Volume (veh/h)	311	366	52	61	128	611	42	876	236	310	525	260
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		0.98	1.00		0.99	1.00		0.97	1.00		0.98
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No			No			No			No	
Adj Sat Flow, veh/h/ln	1826	1826	1826	1826	1826	1826	1826	1826	1826	1826	1826	1826
Adj Flow Rate, veh/h	314	370	48	62	129	375	42	885	213	313	530	202
Peak Hour Factor	0.99	0.99	0.99	0.99	0.99	0.99	0.99	0.99	0.99	0.99	0.99	0.99
Percent Heavy Veh, %	5	5	5	5	5	5	5	5	5	5	5	5
Cap, veh/h	353	455	59	121	206	1043	80	1099	263	915	1736	918
Arrive On Green	0.10	0.15	0.15	0.02	0.04	0.04	0.05	0.28	0.28	0.27	0.50	0.50
Sat Flow, veh/h	3374	3082	396	1739	1826	2702	1739	3990	955	3374	3469	1510
Grp Volume(v), veh/h	314	207	211	62	129	375	42	736	362	313	530	202
Grp Sat Flow(s),veh/h/ln	1687	1735	1744	1739	1826	1351	1739	1662	1622	1687	1735	1510
Q Serve(g_s), s	10.1	12.7	12.9	3.9	7.7	2.8	2.6	22.7	22.9	8.2	9.9	6.7
Cycle Q Clear(g_c), s	10.1	12.7	12.9	3.9	7.7	2.8	2.6	22.7	22.9	8.2	9.9	6.7
Prop In Lane	1.00		0.23	1.00		1.00	1.00		0.59	1.00		1.00
Lane Grp Cap(c), veh/h	353	256	257	121	206	1043	80	915	447	915	1736	918
V/C Ratio(X)	0.89	0.81	0.82	0.51	0.63	0.36	0.53	0.80	0.81	0.34	0.31	0.22
Avail Cap(c_a), veh/h	353	307	309	182	324	1217	213	1072	523	915	1736	918
HCM Platoon Ratio	1.00	1.00	1.00	0.33	0.33	0.33	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	0.81	0.81	0.81	1.00	1.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	48.6	45.4	45.5	51.9	50.7	9.7	51.3	37.1	37.2	32.2	16.2	9.9
Incr Delay (d2), s/veh	23.3	12.6	13.7	2.7	2.5	0.2	5.2	7.5	14.7	0.2	0.5	0.6
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	5.3	6.2	6.4	1.8	3.7	1.6	1.2	9.7	10.5	3.4	4.0	2.1
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	71.9	58.0	59.2	54.6	53.2	9.9	56.5	44.6	51.8	32.4	16.6	10.5
LnGrp LOS	E	E	E	D	D	A	E	D	D	C	B	B
Approach Vol, veh/h		732			566			1140			1045	
Approach Delay, s/veh		64.3			24.7			47.3			20.2	
Approach LOS		E			C			D			C	

Timer - Assigned Phs	1	2	3	4	5	6	7	8
Phs Duration (G+Y+Rc), s	36.3	36.8	14.1	22.7	11.6	61.6	18.0	18.9
Change Period (Y+Rc), s	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5
Max Green Setting (Gmax), s	17.5	35.5	11.5	19.5	13.5	39.5	11.5	19.5
Max Q Clear Time (g_c+I1), s	10.2	24.9	5.9	14.9	4.6	11.9	12.1	9.7
Green Ext Time (p_c), s	0.7	4.9	0.0	0.9	0.0	4.6	0.0	1.6

Intersection Summary	
HCM 6th Ctrl Delay	39.1
HCM 6th LOS	D

Notes

User approved pedestrian interval to be less than phase max green.

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	459	300	170	76	309	15	206	174	68	222	249	294
Future Volume (veh/h)	459	300	170	76	309	15	206	174	68	222	249	294
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		0.98	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No			No			No			No	
Adj Sat Flow, veh/h/ln	1826	1826	1826	1826	1826	1826	1826	1826	1826	1826	1826	1826
Adj Flow Rate, veh/h	478	312	135	79	322	11	198	205	55	231	259	181
Peak Hour Factor	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96
Percent Heavy Veh, %	5	5	5	5	5	5	5	5	5	5	5	5
Cap, veh/h	571	1220	741	158	948	423	231	242	205	395	227	159
Arrive On Green	0.17	0.35	0.35	0.09	0.27	0.27	0.13	0.13	0.13	0.23	0.23	0.23
Sat Flow, veh/h	3374	3469	1523	1739	3469	1547	1739	1826	1547	1739	1001	699
Grp Volume(v), veh/h	478	312	135	79	322	11	198	205	55	231	0	440
Grp Sat Flow(s),veh/h/ln	1687	1735	1523	1739	1735	1547	1739	1826	1547	1739	0	1700
Q Serve(g_s), s	15.1	7.0	5.5	4.8	8.2	0.6	12.3	12.1	3.5	13.0	0.0	25.0
Cycle Q Clear(g_c), s	15.1	7.0	5.5	4.8	8.2	0.6	12.3	12.1	3.5	13.0	0.0	25.0
Prop In Lane	1.00		1.00	1.00		1.00	1.00		1.00	1.00		0.41
Lane Grp Cap(c), veh/h	571	1220	741	158	948	423	231	242	205	395	0	386
V/C Ratio(X)	0.84	0.26	0.18	0.50	0.34	0.03	0.86	0.85	0.27	0.58	0.00	1.14
Avail Cap(c_a), veh/h	1043	1220	741	237	948	423	269	282	239	395	0	386
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	0.72	0.72	0.72	1.00	1.00	1.00	0.92	0.92	0.92	1.00	0.00	1.00
Uniform Delay (d), s/veh	44.2	25.4	16.0	47.6	32.0	29.2	46.7	46.6	42.9	37.9	0.0	42.5
Incr Delay (d2), s/veh	2.4	0.4	0.4	0.9	1.0	0.1	17.5	15.2	0.2	1.5	0.0	89.2
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	6.3	2.8	2.5	2.0	3.4	0.2	6.3	6.4	1.3	5.7	0.0	19.9
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	46.7	25.8	16.4	48.5	33.0	29.4	64.2	61.8	43.1	39.4	0.0	131.7
LnGrp LOS	D	C	B	D	C	C	E	E	D	D	A	F
Approach Vol, veh/h		925			412			458			671	
Approach Delay, s/veh		35.2			35.9			60.6			99.9	
Approach LOS		D			D			E			F	

Timer - Assigned Phs	1	2		4	5	6		8
Phs Duration (G+Y+Rc), s	14.7	45.5		30.1	23.3	36.9		19.7
Change Period (Y+Rc), s	* 4.7	6.8		5.1	* 4.7	6.8		5.1
Max Green Setting (Gmax), s	* 15	31.3		25.0	* 34	12.3		17.0
Max Q Clear Time (g_c+I1), s	16.8	9.0		27.0	17.1	10.2		14.3
Green Ext Time (p_c), s	0.0	1.3		0.0	1.5	0.3		0.3

Intersection Summary	
HCM 6th Ctrl Delay	57.6
HCM 6th LOS	E

Notes

User approved pedestrian interval to be less than phase max green.
User approved volume balancing among the lanes for turning movement.
* HCM 6th computational engine requires equal clearance times for the phases crossing the barrier.

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	72	237	77	17	84	24	35	295	38	41	303	26
Future Volume (veh/h)	72	237	77	17	84	24	35	295	38	41	303	26
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		0.96
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No			No			No			No	
Adj Sat Flow, veh/h/ln	1826	1826	1826	1826	1826	1826	1826	1826	1826	1826	1826	1826
Adj Flow Rate, veh/h	74	244	69	18	87	20	36	304	34	42	312	22
Peak Hour Factor	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97
Percent Heavy Veh, %	5	5	5	5	5	5	5	5	5	5	5	5
Cap, veh/h	135	340	96	46	555	124	69	565	63	93	634	44
Arrive On Green	0.08	0.25	0.25	0.03	0.20	0.20	0.04	0.18	0.18	0.05	0.19	0.19
Sat Flow, veh/h	1739	1369	387	1739	2817	628	1739	3148	349	1739	3279	230
Grp Volume(v), veh/h	74	0	313	18	53	54	36	166	172	42	164	170
Grp Sat Flow(s),veh/h/ln	1739	0	1756	1739	1735	1711	1739	1735	1763	1739	1735	1775
Q Serve(g_s), s	2.0	0.0	8.0	0.5	1.2	1.3	1.0	4.2	4.3	1.1	4.1	4.2
Cycle Q Clear(g_c), s	2.0	0.0	8.0	0.5	1.2	1.3	1.0	4.2	4.3	1.1	4.1	4.2
Prop In Lane	1.00		0.22	1.00		0.37	1.00		0.20	1.00		0.13
Lane Grp Cap(c), veh/h	135	0	436	46	342	337	69	311	316	93	335	343
V/C Ratio(X)	0.55	0.00	0.72	0.39	0.15	0.16	0.52	0.53	0.54	0.45	0.49	0.50
Avail Cap(c_a), veh/h	892	0	1080	892	1067	1053	892	1423	1447	892	1423	1456
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	21.6	0.0	16.8	23.3	16.2	16.2	23.0	18.2	18.2	22.4	17.5	17.5
Incr Delay (d2), s/veh	3.4	0.0	2.2	5.2	0.2	0.2	6.0	1.4	1.4	3.4	1.1	1.1
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	0.9	0.0	3.1	0.2	0.4	0.4	0.5	1.6	1.6	0.5	1.5	1.5
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	25.0	0.0	19.0	28.6	16.4	16.5	29.0	19.6	19.6	25.8	18.6	18.6
LnGrp LOS	C	A	B	C	B	B	C	B	B	C	B	B
Approach Vol, veh/h		387			125			374			376	
Approach Delay, s/veh		20.2			18.2			20.5			19.4	
Approach LOS		C			B			C			B	

Timer - Assigned Phs	1	2	3	4	5	6	7	8
Phs Duration (G+Y+Rc), s	8.6	14.8	7.3	18.1	7.9	15.4	9.8	15.6
Change Period (Y+Rc), s	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
Max Green Setting (Gmax), s	25.0	40.0	25.0	30.0	25.0	40.0	25.0	30.0
Max Q Clear Time (g_c+I1), s	10.1	6.3	2.5	10.0	3.0	6.2	4.0	3.3
Green Ext Time (p_c), s	0.1	1.9	0.0	1.8	0.1	1.9	0.2	0.5

Intersection Summary	
HCM 6th Ctrl Delay	19.9
HCM 6th LOS	B

Notes

User approved pedestrian interval to be less than phase max green.

Intersection	
Int Delay, s/veh	5.4

Movement	EBT	EBR	WBL	WBT	NBL	NBR
Lane Configurations						
Traffic Vol, veh/h	614	20	92	355	14	344
Future Vol, veh/h	614	20	92	355	14	344
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Stop	Stop
RT Channelized	-	None	-	None	-	None
Storage Length	-	-	65	-	0	-
Veh in Median Storage, #	0	-	-	0	0	-
Grade, %	0	-	-	0	0	-
Peak Hour Factor	98	98	98	98	98	98
Heavy Vehicles, %	5	5	5	5	5	5
Mvmt Flow	627	20	94	362	14	351

Major/Minor	Major1		Major2		Minor1	
Conflicting Flow All	0	0	647	0	1006	324
Stage 1	-	-	-	-	637	-
Stage 2	-	-	-	-	369	-
Critical Hdwy	-	-	4.2	-	6.9	7
Critical Hdwy Stg 1	-	-	-	-	5.9	-
Critical Hdwy Stg 2	-	-	-	-	5.9	-
Follow-up Hdwy	-	-	2.25	-	3.55	3.35
Pot Cap-1 Maneuver	-	-	914	-	233	663
Stage 1	-	-	-	-	481	-
Stage 2	-	-	-	-	661	-
Platoon blocked, %	-	-		-		
Mov Cap-1 Maneuver	-	-	914	-	209	663
Mov Cap-2 Maneuver	-	-	-	-	209	-
Stage 1	-	-	-	-	481	-
Stage 2	-	-	-	-	593	-

Approach	EB	WB	NB
HCM Control Delay, s	0	1.9	19.3
HCM LOS			C

Minor Lane/Major Mvmt	NBLn1	EBT	EBR	WBL	WBT
Capacity (veh/h)	611	-	-	914	-
HCM Lane V/C Ratio	0.598	-	-	0.103	-
HCM Control Delay (s)	19.3	-	-	9.4	-
HCM Lane LOS	C	-	-	A	-
HCM 95th %tile Q(veh)	4	-	-	0.3	-

Movement	EBT	EBR	WBL	WBT	NBL	NBR
Lane Configurations						
Traffic Volume (veh/h)	771	186	33	273	173	60
Future Volume (veh/h)	771	186	33	273	173	60
Initial Q (Qb), veh	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)		1.00	1.00		1.00	1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach	No			No	No	
Adj Sat Flow, veh/h/ln	1826	1826	1826	1826	1826	1826
Adj Flow Rate, veh/h	787	170	34	279	177	46
Peak Hour Factor	0.98	0.98	0.98	0.98	0.98	0.98
Percent Heavy Veh, %	5	5	5	5	5	5
Cap, veh/h	1115	241	82	1977	279	248
Arrive On Green	0.39	0.39	0.05	0.57	0.16	0.16
Sat Flow, veh/h	2929	613	1739	3561	1739	1547
Grp Volume(v), veh/h	481	476	34	279	177	46
Grp Sat Flow(s),veh/h/ln	1735	1716	1739	1735	1739	1547
Q Serve(g_s), s	9.3	9.3	0.8	1.5	3.8	1.0
Cycle Q Clear(g_c), s	9.3	9.3	0.8	1.5	3.8	1.0
Prop In Lane		0.36	1.00		1.00	1.00
Lane Grp Cap(c), veh/h	682	674	82	1977	279	248
V/C Ratio(X)	0.71	0.71	0.41	0.14	0.64	0.19
Avail Cap(c_a), veh/h	997	986	261	1977	1086	966
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	10.2	10.2	18.5	4.0	15.7	14.5
Incr Delay (d2), s/veh	1.4	1.4	3.3	0.0	2.4	0.4
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	2.4	2.4	0.3	0.2	1.4	0.3
Unsig. Movement Delay, s/veh						
LnGrp Delay(d),s/veh	11.6	11.6	21.8	4.1	18.1	14.9
LnGrp LOS	B	B	C	A	B	B
Approach Vol, veh/h	957			313	223	
Approach Delay, s/veh	11.6			6.0	17.4	
Approach LOS	B			A	B	

Timer - Assigned Phs	1	2				6	8
Phs Duration (G+Y+Rc), s	7.1	21.5				28.6	11.4
Change Period (Y+Rc), s	* 5.2	5.8				5.8	5.0
Max Green Setting (Gmax), s	* 6	23.0				15.0	25.0
Max Q Clear Time (g_c+I1), s	2.8	11.3				3.5	5.8
Green Ext Time (p_c), s	0.0	4.4				1.1	0.6

Intersection Summary	
HCM 6th Ctrl Delay	11.3
HCM 6th LOS	B

Notes

* HCM 6th computational engine requires equal clearance times for the phases crossing the barrier.

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	45	1282	8	98	1104	146	70	53	74	177	88	43
Future Volume (veh/h)	45	1282	8	98	1104	146	70	53	74	177	88	43
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		0.98	1.00		1.00	1.00		1.00	1.00		0.99
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No			No			No			No	
Adj Sat Flow, veh/h/ln	1826	1826	1826	1826	1826	1826	1826	1826	1826	1826	1826	1826
Adj Flow Rate, veh/h	46	1308	7	100	1127	134	71	54	71	181	90	39
Peak Hour Factor	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98
Percent Heavy Veh, %	5	5	5	5	5	5	5	5	5	5	5	5
Cap, veh/h	59	1349	7	517	2013	239	89	140	124	227	121	52
Arrive On Green	0.03	0.38	0.38	0.30	0.64	0.64	0.05	0.08	0.08	0.07	0.10	0.10
Sat Flow, veh/h	1739	3538	19	1739	3123	371	1739	1735	1542	3374	1204	522
Grp Volume(v), veh/h	46	641	674	100	625	636	71	54	71	181	0	129
Grp Sat Flow(s),veh/h/ln	1739	1735	1822	1739	1735	1759	1739	1735	1542	1687	0	1726
Q Serve(g_s), s	3.9	54.4	54.4	6.4	30.0	30.2	6.1	4.4	6.7	7.9	0.0	10.9
Cycle Q Clear(g_c), s	3.9	54.4	54.4	6.4	30.0	30.2	6.1	4.4	6.7	7.9	0.0	10.9
Prop In Lane	1.00		0.01	1.00		0.21	1.00		1.00	1.00		0.30
Lane Grp Cap(c), veh/h	59	662	695	517	1118	1134	89	140	124	227	0	173
V/C Ratio(X)	0.78	0.97	0.97	0.19	0.56	0.56	0.80	0.39	0.57	0.80	0.00	0.75
Avail Cap(c_a), veh/h	214	665	698	517	1118	1134	162	422	375	304	0	420
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.95	0.00	0.95
Uniform Delay (d), s/veh	71.9	45.5	45.5	39.3	14.8	14.8	70.4	65.4	66.4	68.9	0.0	65.6
Incr Delay (d2), s/veh	19.0	28.2	27.4	0.2	2.0	2.0	14.7	1.7	4.1	9.8	0.0	6.0
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	2.0	27.8	29.0	2.8	11.6	11.8	3.0	2.0	2.7	3.7	0.0	5.0
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	90.9	73.7	73.0	39.5	16.8	16.9	85.1	67.2	70.5	78.7	0.0	71.6
LnGrp LOS	F	E	E	D	B	B	F	E	E	E	A	E
Approach Vol, veh/h		1361			1361			196			310	
Approach Delay, s/veh		73.9			18.5			74.9			75.8	
Approach LOS		E			B			E			E	

Timer - Assigned Phs	1	2	3	4	5	6	7	8
Phs Duration (G+Y+Rc), s	11.1	63.7	13.7	21.5	11.6	103.2	16.6	18.6
Change Period (Y+Rc), s	6.5	6.5	6.0	6.5	6.5	6.5	6.5	6.5
Max Green Setting (Gmax), s	16.5	57.5	14.0	36.5	18.5	35.5	13.5	36.5
Max Q Clear Time (g_c+I1), s	8.4	56.4	8.1	12.9	5.9	32.2	9.9	8.7
Green Ext Time (p_c), s	0.1	0.8	0.1	0.6	0.1	2.2	0.2	0.6

Intersection Summary	
HCM 6th Ctrl Delay	50.8
HCM 6th LOS	D

Notes

User approved pedestrian interval to be less than phase max green.

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	38	1359	134	390	1103	206	138	118	205	553	187	24
Future Volume (veh/h)	38	1359	134	390	1103	206	138	118	205	553	187	24
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		0.95	1.00		0.99
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No			No			No			No	
Adj Sat Flow, veh/h/ln	1826	1826	1826	1826	1826	1826	1826	1826	1826	1826	1826	1826
Adj Flow Rate, veh/h	40	1431	109	411	1161	175	145	124	174	582	197	20
Peak Hour Factor	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
Percent Heavy Veh, %	5	5	5	5	5	5	5	5	5	5	5	5
Cap, veh/h	66	2077	748	422	2511	1075	225	153	317	645	380	318
Arrive On Green	0.04	0.42	0.42	0.13	0.50	0.50	0.07	0.08	0.08	0.19	0.21	0.21
Sat Flow, veh/h	1739	4985	1547	3374	4985	1547	3374	1826	1478	3374	1826	1525
Grp Volume(v), veh/h	40	1431	109	411	1161	175	145	124	174	582	197	20
Grp Sat Flow(s),veh/h/ln	1739	1662	1547	1687	1662	1547	1687	1826	1478	1687	1826	1525
Q Serve(g_s), s	3.4	35.2	2.9	18.2	22.6	1.6	6.3	10.0	0.0	25.3	14.4	1.6
Cycle Q Clear(g_c), s	3.4	35.2	2.9	18.2	22.6	1.6	6.3	10.0	0.0	25.3	14.4	1.6
Prop In Lane	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Lane Grp Cap(c), veh/h	66	2077	748	422	2511	1075	225	153	317	645	380	318
V/C Ratio(X)	0.61	0.69	0.15	0.97	0.46	0.16	0.64	0.81	0.55	0.90	0.52	0.06
Avail Cap(c_a), veh/h	226	2077	748	422	2511	1075	247	170	331	787	463	386
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	71.1	35.8	7.6	65.4	24.1	2.0	68.3	67.5	52.9	59.3	52.7	47.6
Incr Delay (d2), s/veh	8.7	1.9	0.4	37.1	0.6	0.3	4.9	22.7	1.7	12.0	1.1	0.1
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	1.7	14.2	1.4	9.9	8.8	0.9	2.9	5.7	6.1	11.7	6.6	0.6
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	79.8	37.7	8.0	102.4	24.7	2.3	73.2	90.3	54.6	71.3	53.8	47.7
LnGrp LOS	E	D	A	F	C	A	E	F	D	E	D	D
Approach Vol, veh/h		1580			1747			443			799	
Approach Delay, s/veh		36.7			40.7			70.7			66.4	
Approach LOS		D			D			E			E	

Timer - Assigned Phs	1	2	3	4	5	6	7	8
Phs Duration (G+Y+Rc), s	12.2	82.6	17.0	38.2	25.8	69.0	35.7	19.6
Change Period (Y+Rc), s	6.5	7.0	7.0	7.0	7.0	6.5	7.0	7.0
Max Green Setting (Gmax), s	19.5	36.0	11.0	38.0	11.0	62.5	35.0	14.0
Max Q Clear Time (g_c+I1), s	5.4	24.6	8.3	16.4	20.2	37.2	27.3	12.0
Green Ext Time (p_c), s	0.0	6.0	0.1	1.0	0.0	11.4	1.4	0.3

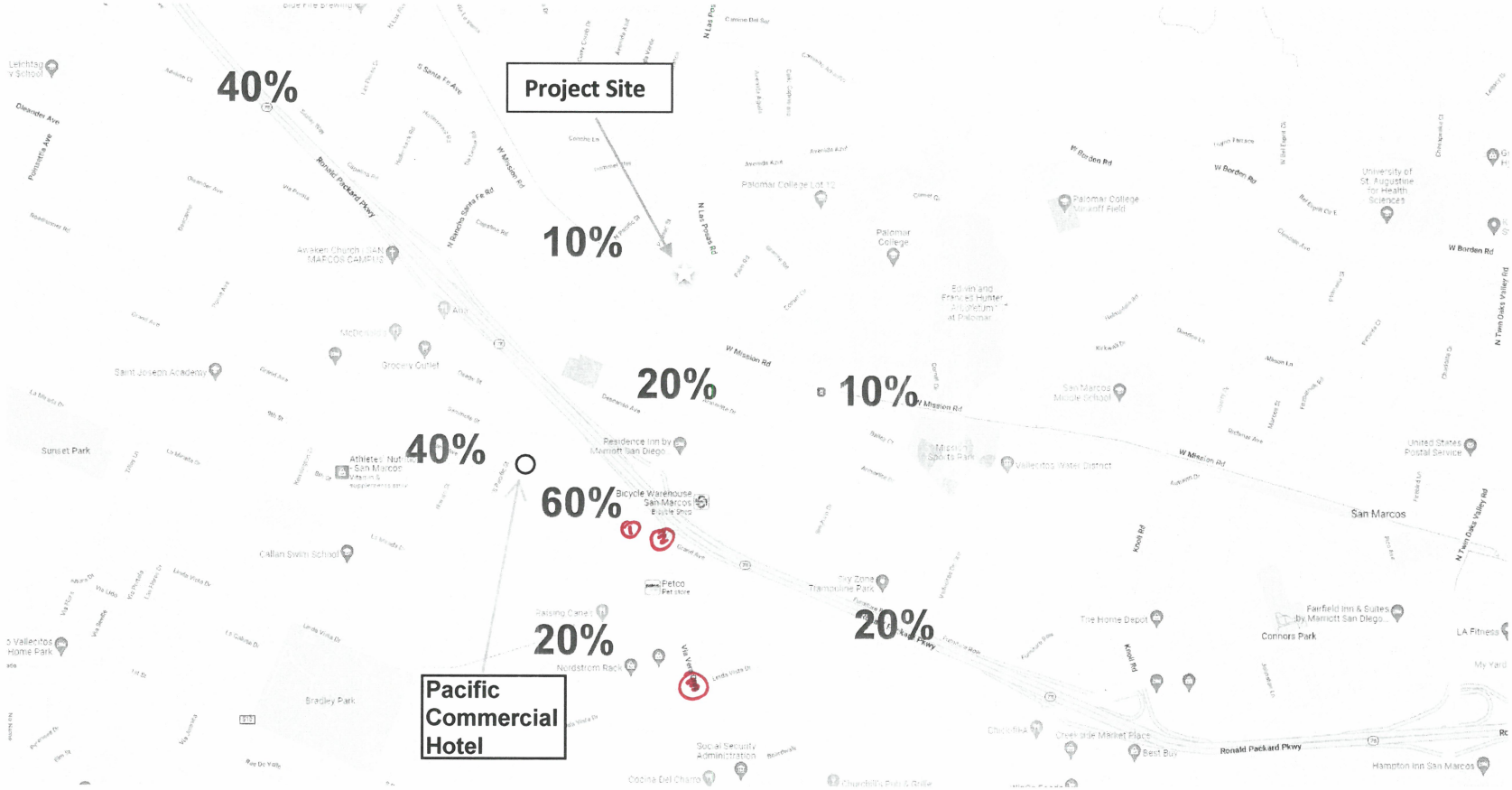
Intersection Summary	
HCM 6th Ctrl Delay	46.7
HCM 6th LOS	D

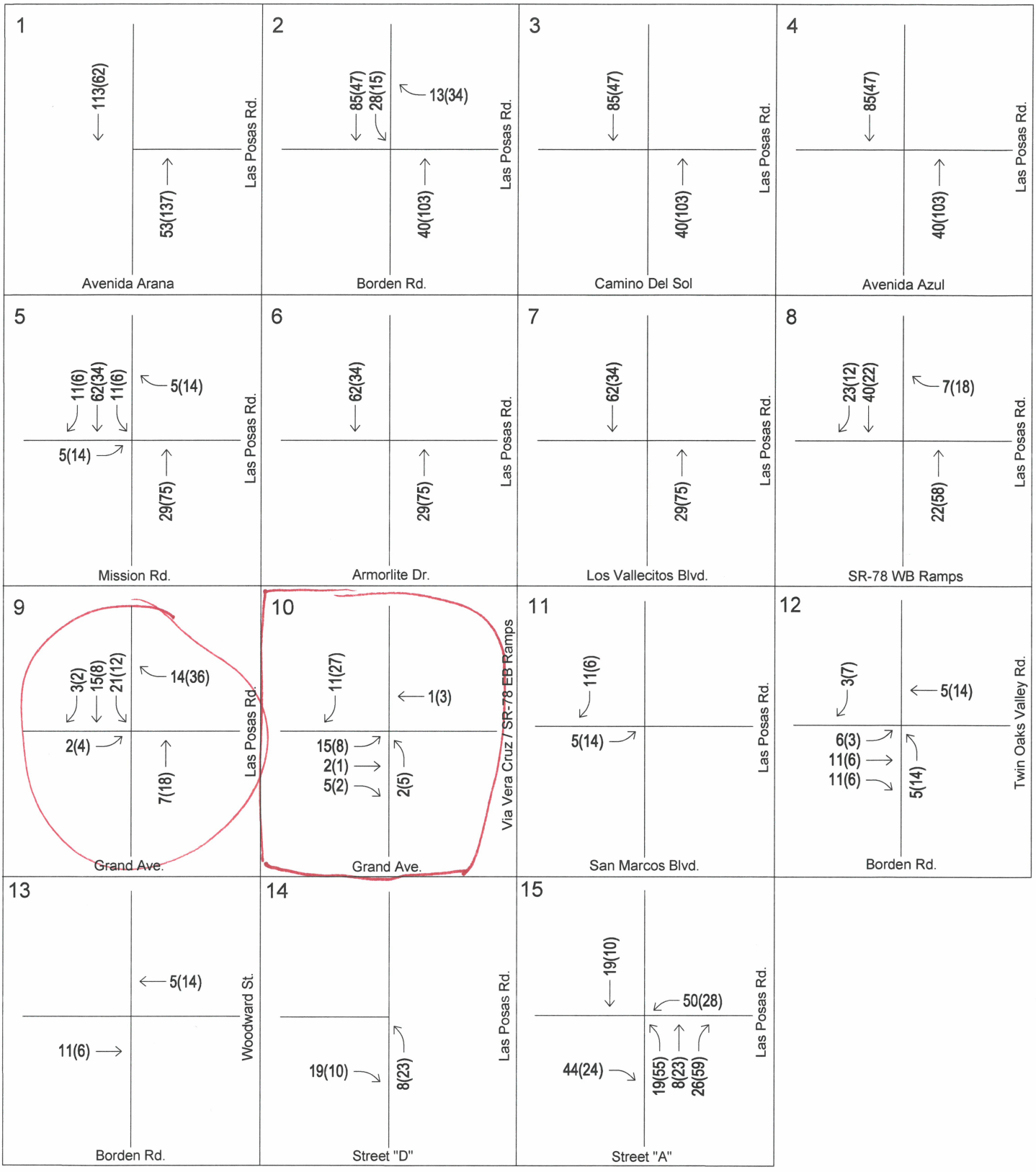
Notes

User approved pedestrian interval to be less than phase max green.

Appendix H - Cumulative Project Information

Pacific Commercial Hotel - Trip Distribution (122 Room Hotel)





SAN MARCOS HIGHLANDS

LEGEND

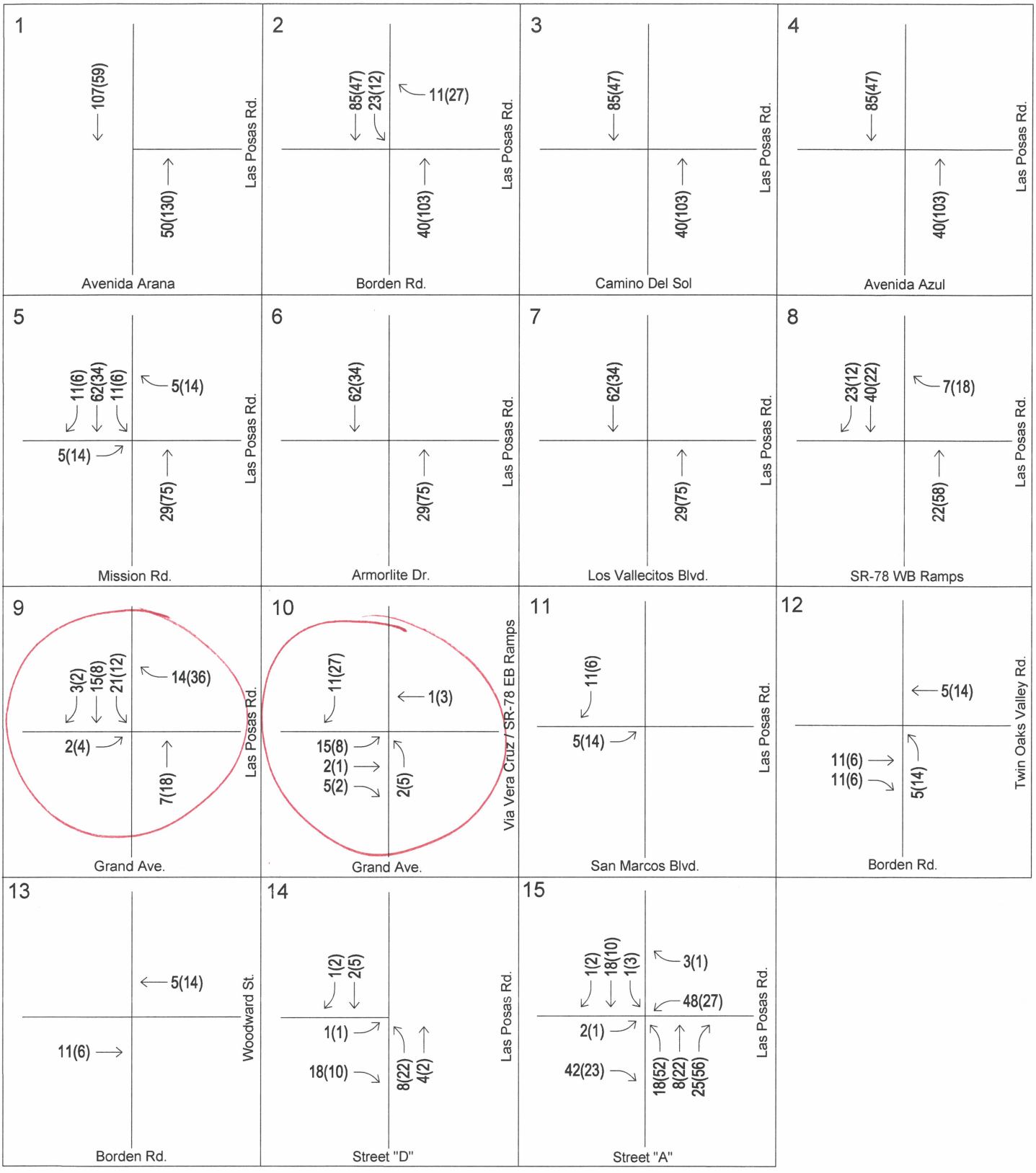
XX(XX) AM/PM PEAK HOUR VOLUME

RBF

NEAR TERM CONDITIONS PEAK HOUR TRIP ASSIGNMENT

JN 141047 JULY 2014

EXHIBIT 9



LEGEND

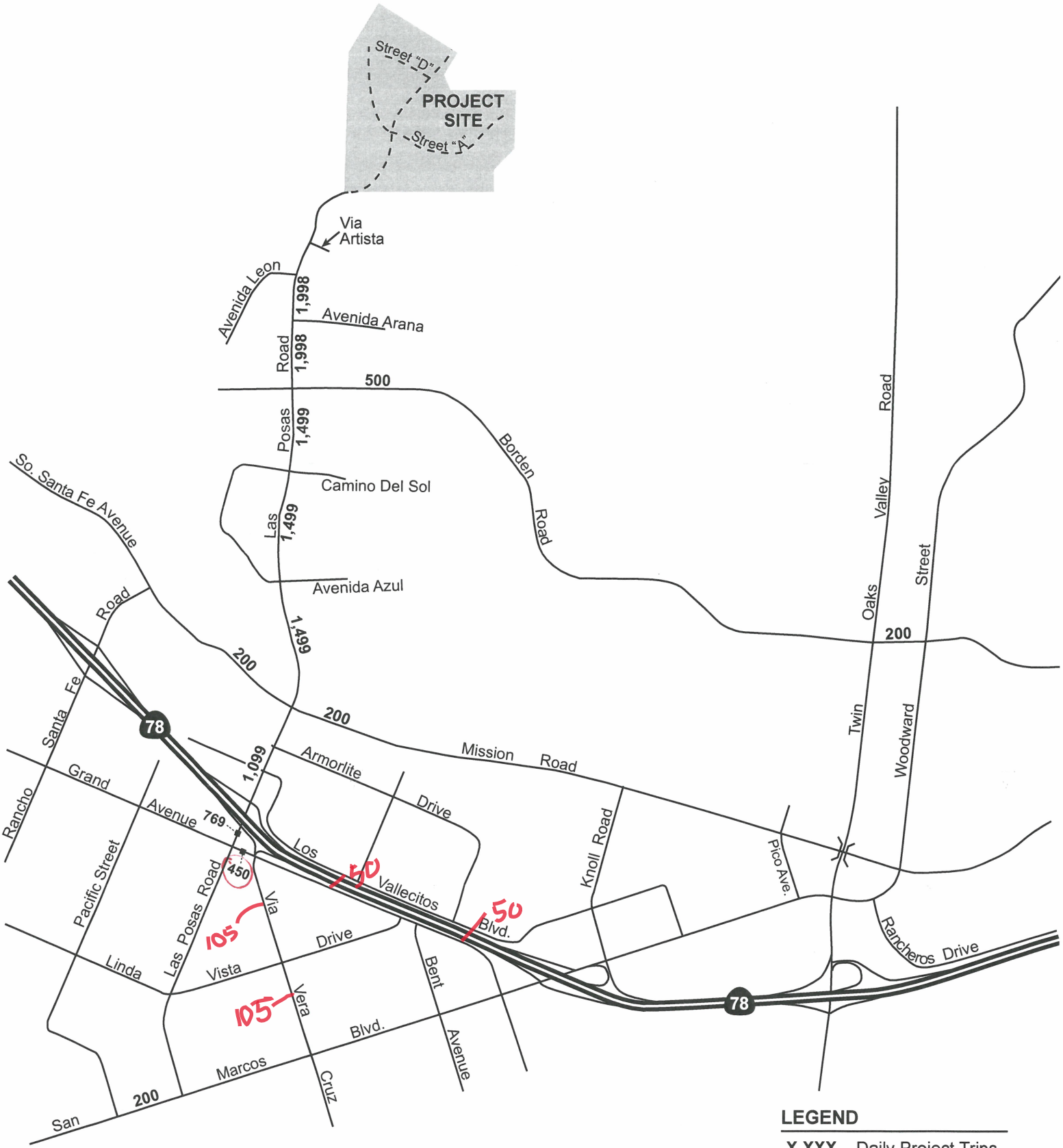
XX(XX) AM/PM PEAK HOUR VOLUME

RBF

HORIZON YEAR 2035 PEAK HOUR TRIP ASSIGNMENT

JN 141047 JULY 2014

EXHIBIT 11



LEGEND

X,XXX Daily Project Trips

NOT TO SCALE

RBF

DAILY PROJECT TRIP ASSIGNMENT - NEAR TERM CONDITIONS

141047 - FEBRUARY 2015

Exhibit 10

DAILY PROJECT TRIP ASSIGNMENT - HORIZON YEAR 2035 CONDITIONS

141047 - FEBRUARY 2015

Exhibit 12

El Dorado II - Trip Distribution (72 MF DU & 2,000 SF Retail)

Villa Serena - Trip Distribution (12 MF DU)

Mariposa Phase 1 - Trip Distribution (60 MF DU)

	IN	OUT
AM	6	23
PM	23	10

MURAI

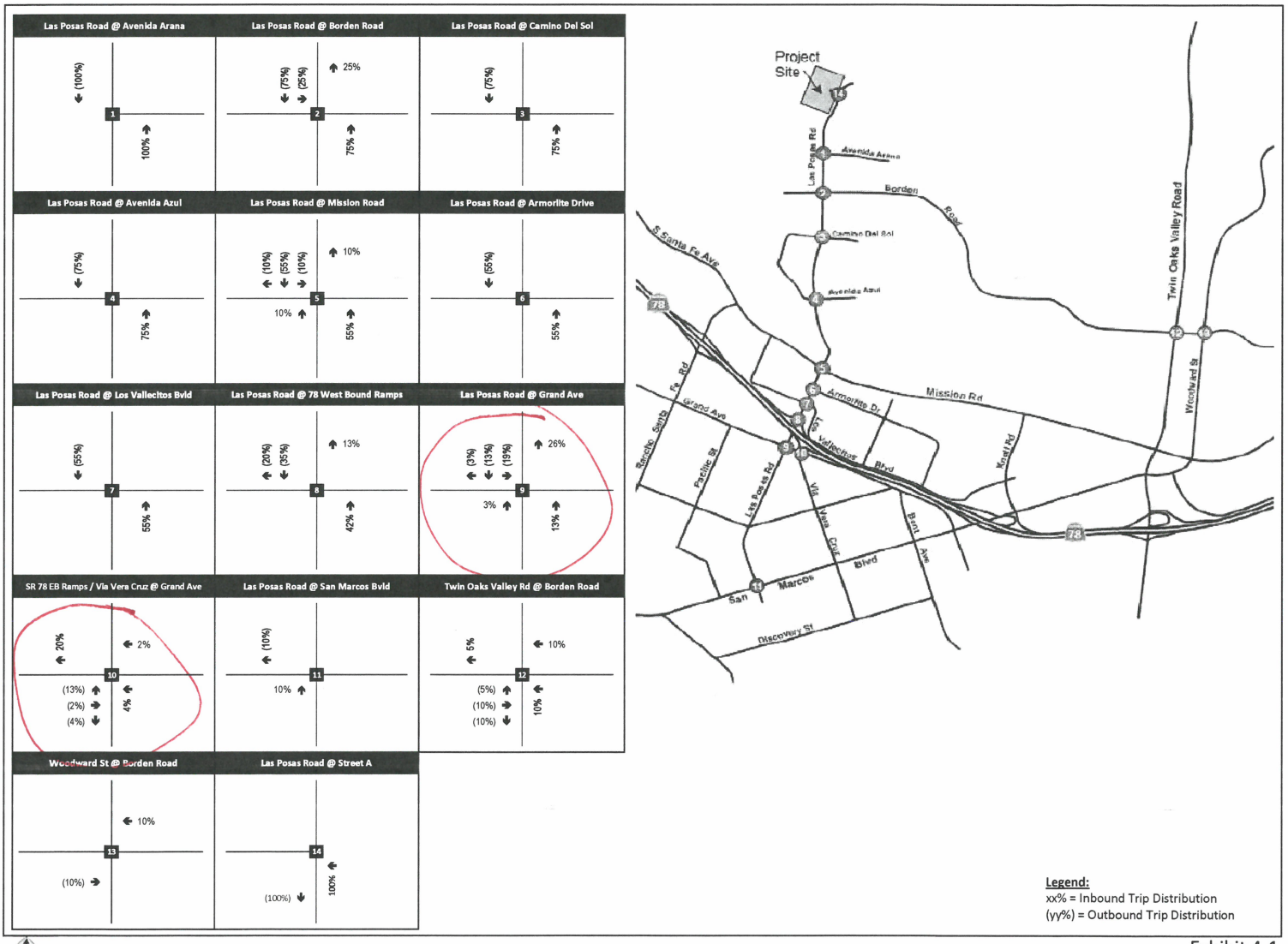


Exhibit 4-1
Project Trip Distribution: Near-Term Conditions

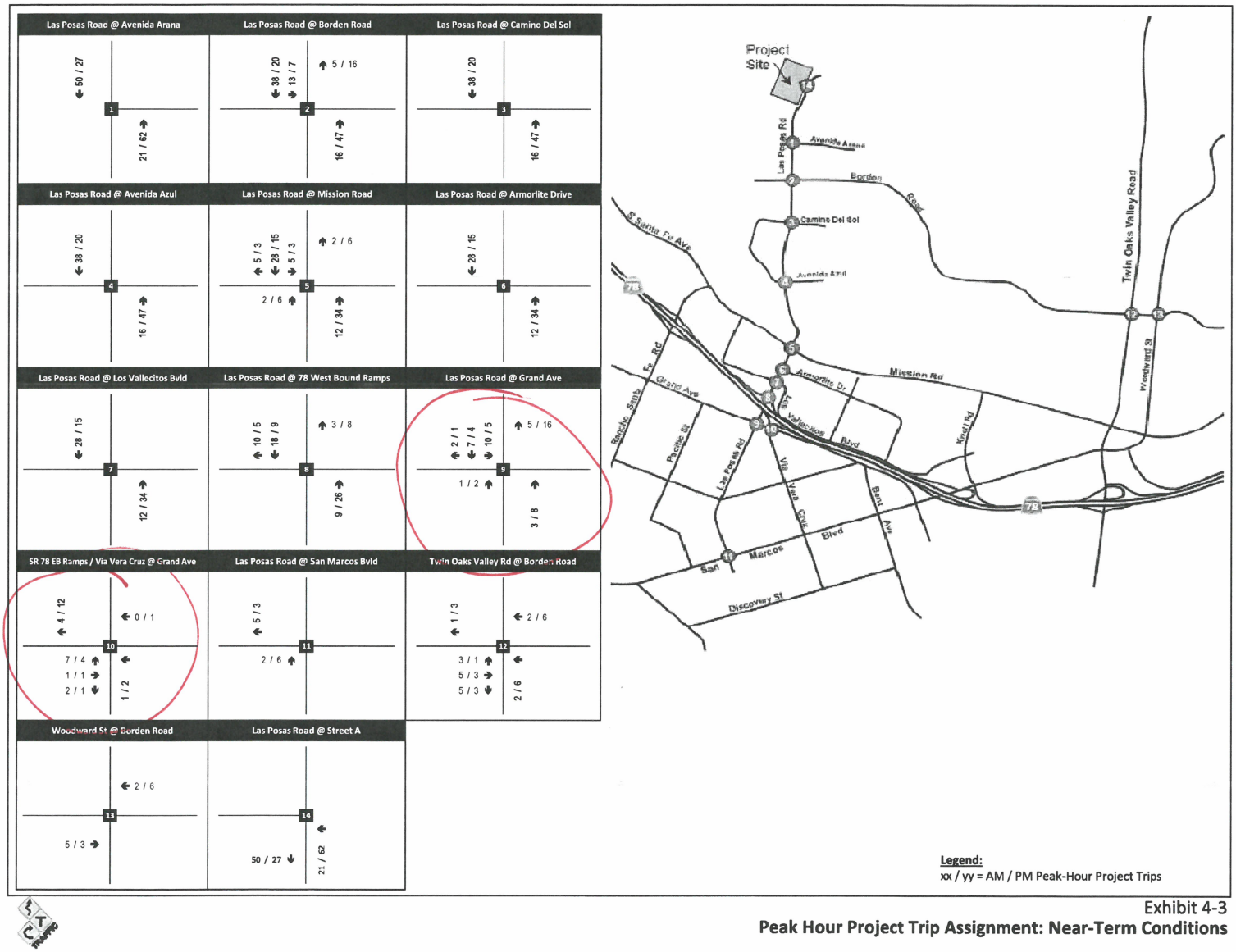


Exhibit 4-3
Peak Hour Project Trip Assignment: Near-Term Conditions

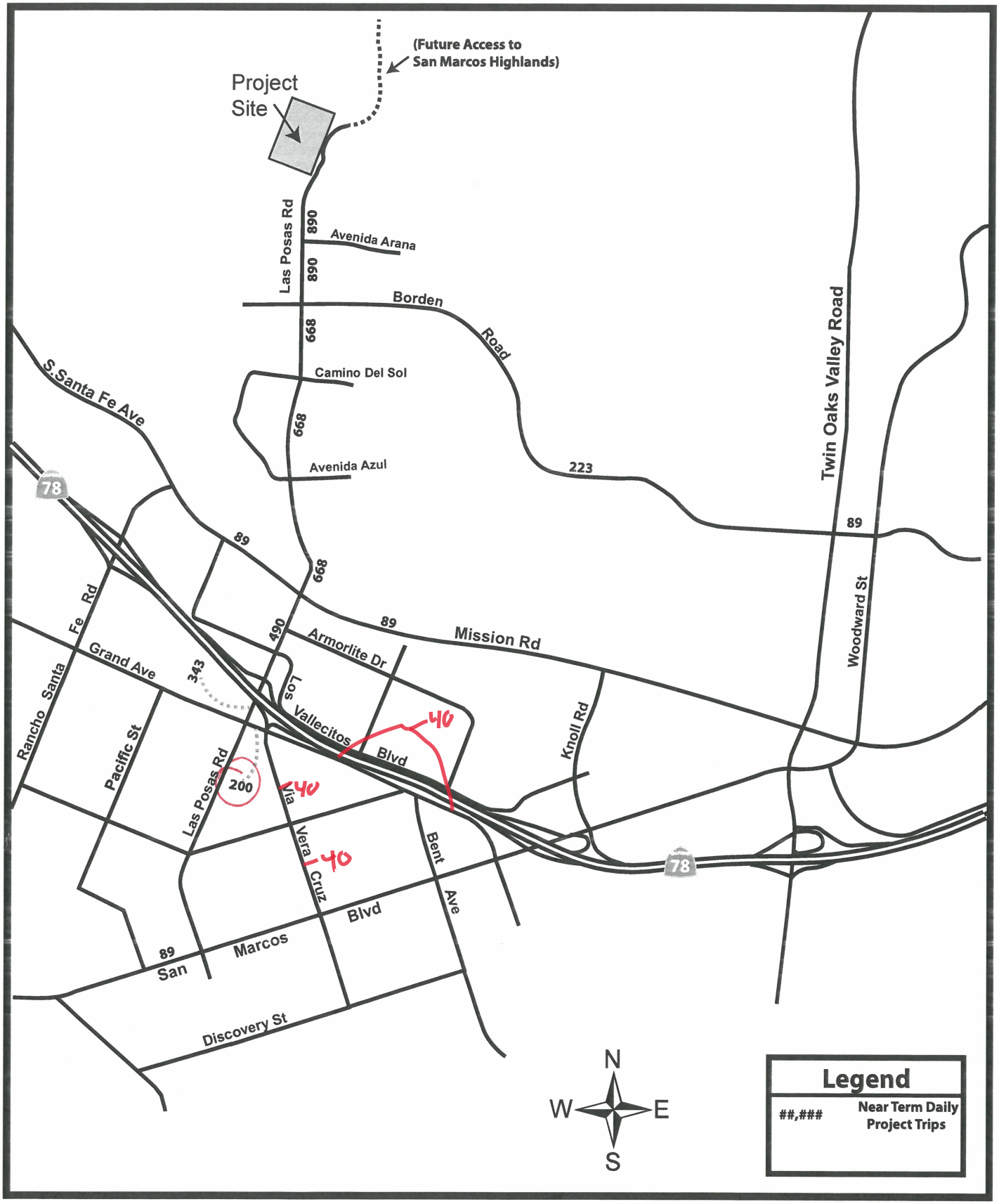
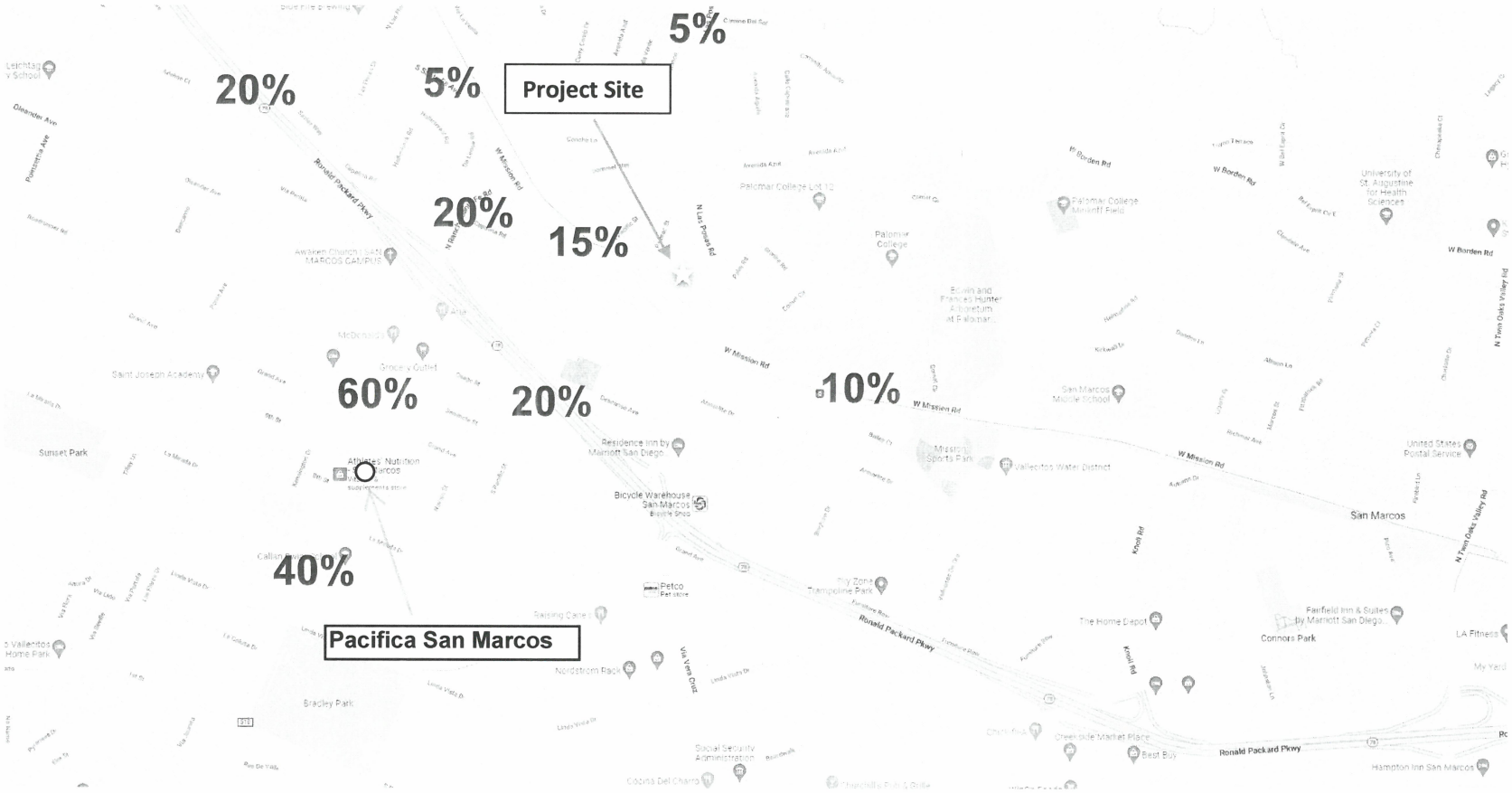


Exhibit 4-4

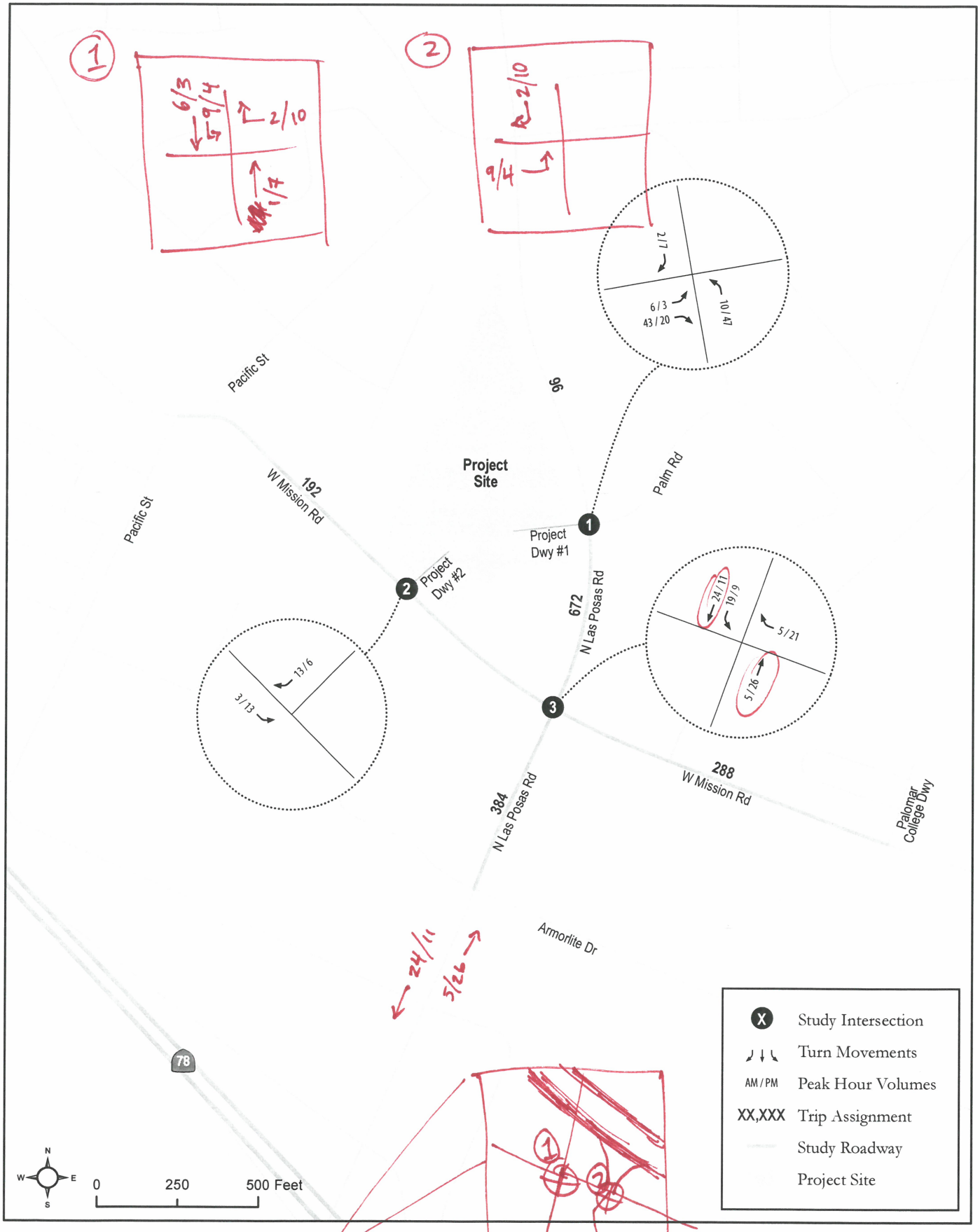
Daily Project Trip Assignment: Near-Term Conditions

TRAFFIC

Pacifica San Marcos - Trip Distribution (31 MF DU & 4,375 Commercial)



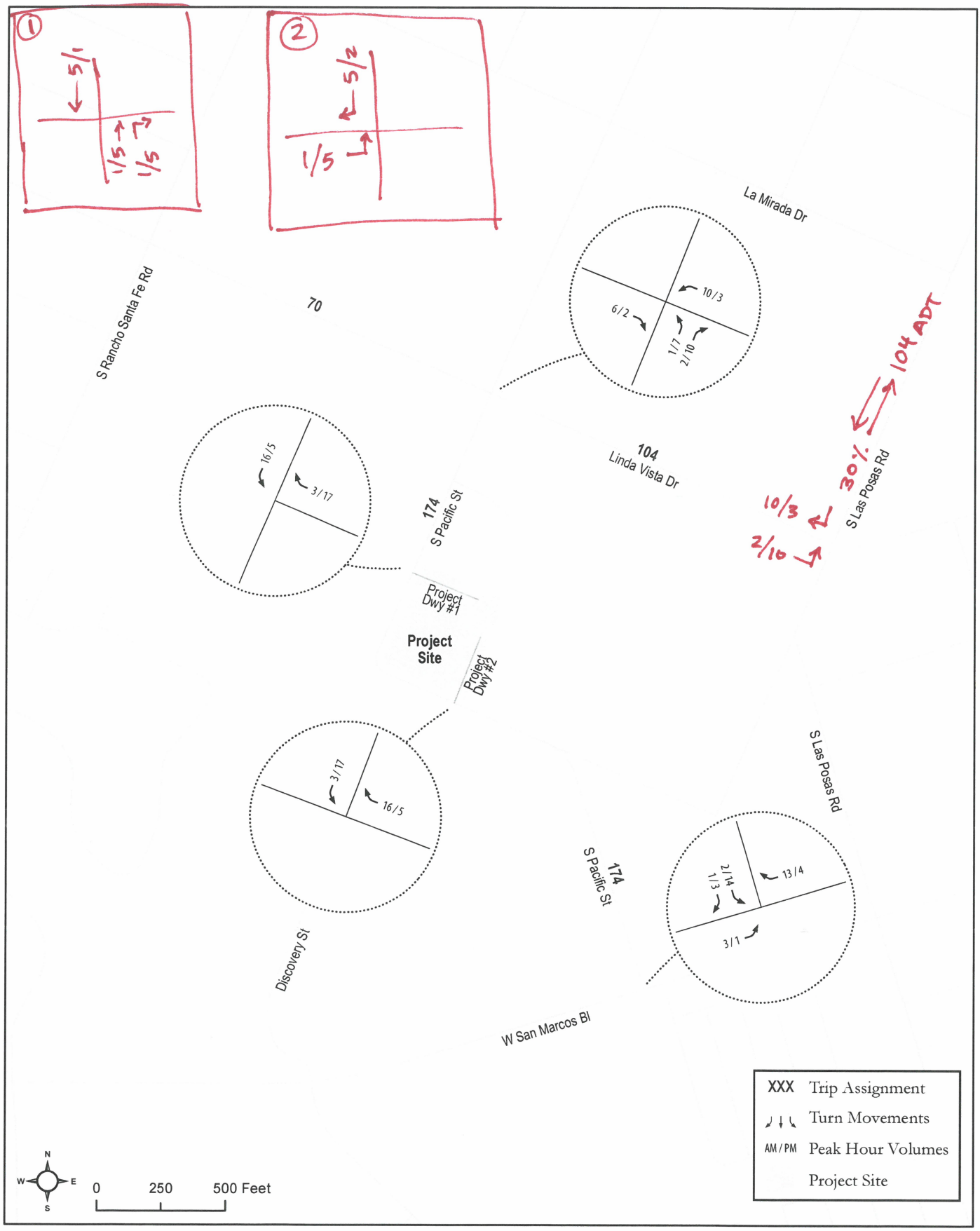
Karl Strauss Brewery - Trip Distribution (10,528 SF Restaurant)



Gran Vista Multi-Family
Transportation Impact Analysis

C+R

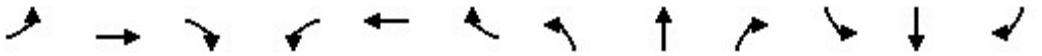
Figure 3.2
Project Trip Assignment



Hughes Circuits
Memorandum of Approach

Figure 4
Project Trip Assignment

Appendix I - LOS Calculation Worksheets Near-Term Year 2024 Base Conditions



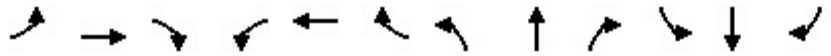
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	127	210	22	109	169	411	28	282	96	432	664	469
Future Volume (veh/h)	127	210	22	109	169	411	28	282	96	432	664	469
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		0.98	1.00		1.00	1.00		0.97	1.00		0.98
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No			No			No			No	
Adj Sat Flow, veh/h/ln	1826	1826	1826	1826	1826	1826	1826	1826	1826	1826	1826	1826
Adj Flow Rate, veh/h	135	223	21	116	180	309	30	300	91	460	706	393
Peak Hour Factor	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94
Percent Heavy Veh, %	5	5	5	5	5	5	5	5	5	5	5	5
Cap, veh/h	239	370	35	141	230	1644	63	456	130	1612	1946	959
Arrive On Green	0.07	0.12	0.12	0.08	0.13	0.13	0.04	0.12	0.12	0.48	0.56	0.56
Sat Flow, veh/h	3374	3202	299	1739	1826	2723	1739	3826	1092	3374	3469	1514
Grp Volume(v), veh/h	135	120	124	116	180	309	30	258	133	460	706	393
Grp Sat Flow(s),veh/h/ln	1687	1735	1766	1739	1826	1362	1739	1662	1595	1687	1735	1514
Q Serve(g_s), s	4.9	8.3	8.4	8.3	12.0	2.0	2.1	9.3	10.1	10.4	14.1	16.3
Cycle Q Clear(g_c), s	4.9	8.3	8.4	8.3	12.0	2.0	2.1	9.3	10.1	10.4	14.1	16.3
Prop In Lane	1.00		0.17	1.00		1.00	1.00		0.68	1.00		1.00
Lane Grp Cap(c), veh/h	239	201	204	141	230	1644	63	396	190	1612	1946	959
V/C Ratio(X)	0.57	0.60	0.61	0.82	0.78	0.19	0.48	0.65	0.70	0.29	0.36	0.41
Avail Cap(c_a), veh/h	428	385	393	221	406	1906	221	949	456	1612	1946	959
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	0.96	0.96	0.96	1.00	1.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	56.7	52.9	53.0	57.0	53.4	3.1	59.6	53.0	53.3	19.9	15.3	11.5
Incr Delay (d2), s/veh	2.1	2.8	2.9	12.6	5.6	0.1	5.5	8.1	19.2	0.1	0.5	1.3
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	2.1	3.7	3.9	4.0	5.8	0.7	1.0	4.3	5.0	4.1	5.7	5.3
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	58.8	55.8	55.9	69.6	59.0	3.2	65.1	61.1	72.6	20.0	15.8	12.8
LnGrp LOS	E	E	E	E	E	A	E	E	E	B	B	B
Approach Vol, veh/h		379			605			421			1559	
Approach Delay, s/veh		56.9			32.5			65.0			16.3	
Approach LOS		E			C			E			B	

Timer - Assigned Phs	1	2	3	4	5	6	7	8
Phs Duration (G+Y+Rc), s	66.7	21.5	16.7	21.1	11.1	77.2	15.4	22.4
Change Period (Y+Rc), s	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5
Max Green Setting (Gmax), s	20.0	36.0	16.0	28.0	16.0	40.0	16.0	28.0
Max Q Clear Time (g_c+I1), s	12.4	12.1	10.3	10.4	4.1	18.3	6.9	14.0
Green Ext Time (p_c), s	1.1	2.2	0.1	1.1	0.0	6.7	0.2	1.8

Intersection Summary	
HCM 6th Ctrl Delay	31.7
HCM 6th LOS	C

Notes

User approved pedestrian interval to be less than phase max green.



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	430	177	137	42	149	9	58	53	13	85	255	477
Future Volume (veh/h)	430	177	137	42	149	9	58	53	13	85	255	477
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No			No			No			No	
Adj Sat Flow, veh/h/ln	1826	1826	1826	1826	1826	1826	1826	1826	1826	1826	1826	1826
Adj Flow Rate, veh/h	462	190	115	45	160	9	60	60	12	91	274	384
Peak Hour Factor	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93
Percent Heavy Veh, %	5	5	5	5	5	5	5	5	5	5	5	5
Cap, veh/h	405	648	455	136	504	225	186	196	166	714	282	396
Arrive On Green	0.12	0.19	0.19	0.08	0.15	0.15	0.11	0.11	0.11	0.41	0.41	0.41
Sat Flow, veh/h	3374	3469	1547	1739	3469	1547	1739	1826	1547	1739	688	964
Grp Volume(v), veh/h	462	190	115	45	160	9	60	60	12	91	0	658
Grp Sat Flow(s),veh/h/ln	1687	1735	1547	1739	1735	1547	1739	1826	1547	1739	0	1652
Q Serve(g_s), s	12.0	4.7	5.7	2.4	4.1	0.5	3.2	3.0	0.7	3.3	0.0	39.0
Cycle Q Clear(g_c), s	12.0	4.7	5.7	2.4	4.1	0.5	3.2	3.0	0.7	3.3	0.0	39.0
Prop In Lane	1.00		1.00	1.00		1.00	1.00		1.00	1.00		0.58
Lane Grp Cap(c), veh/h	405	648	455	136	504	225	186	196	166	714	0	678
V/C Ratio(X)	1.14	0.29	0.25	0.33	0.32	0.04	0.32	0.31	0.07	0.13	0.00	0.97
Avail Cap(c_a), veh/h	405	648	455	261	504	225	278	292	248	715	0	679
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	0.74	0.74	0.74	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00
Uniform Delay (d), s/veh	44.0	35.0	26.9	43.6	38.3	36.7	41.3	41.2	40.2	18.3	0.0	28.9
Incr Delay (d2), s/veh	83.7	0.8	1.0	0.5	1.7	0.3	0.4	0.3	0.1	0.0	0.0	27.0
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	9.5	2.0	2.5	1.0	1.8	0.2	1.4	1.3	0.3	1.3	0.0	19.8
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	127.7	35.8	27.9	44.1	39.9	37.1	41.6	41.5	40.2	18.4	0.0	55.9
LnGrp LOS	F	D	C	D	D	D	D	D	D	B	A	E
Approach Vol, veh/h		767			214			132			749	
Approach Delay, s/veh		90.0			40.7			41.5			51.3	
Approach LOS		F			D			D			D	

Timer - Assigned Phs	1	2		4	5	6		8
Phs Duration (G+Y+Rc), s	12.5	25.5		46.1	16.7	21.3		15.8
Change Period (Y+Rc), s	* 4.7	6.8		5.1	* 4.7	6.8		5.1
Max Green Setting (Gmax), s	* 7.5	6.2		41.1	* 12	9.2		16.0
Max Q Clear Time (g_c+I1), s	14.0	7.7		41.0	14.0	6.1		5.2
Green Ext Time (p_c), s	0.0	0.0		0.0	0.0	0.1		0.2

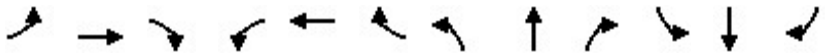
Intersection Summary	
HCM 6th Ctrl Delay	65.3
HCM 6th LOS	E

Notes

User approved pedestrian interval to be less than phase max green.

User approved volume balancing among the lanes for turning movement.

* HCM 6th computational engine requires equal clearance times for the phases crossing the barrier.



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	19	104	33	11	130	19	21	84	8	10	249	34
Future Volume (veh/h)	19	104	33	11	130	19	21	84	8	10	249	34
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		0.99	1.00		1.00	1.00		1.00	1.00		0.98
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No			No			No			No	
Adj Sat Flow, veh/h/ln	1826	1826	1826	1826	1826	1826	1826	1826	1826	1826	1826	1826
Adj Flow Rate, veh/h	21	114	33	12	143	19	23	92	8	11	274	33
Peak Hour Factor	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91
Percent Heavy Veh, %	5	5	5	5	5	5	5	5	5	5	5	5
Cap, veh/h	54	246	71	33	521	68	49	604	52	30	548	65
Arrive On Green	0.03	0.18	0.18	0.02	0.17	0.17	0.03	0.19	0.19	0.02	0.18	0.18
Sat Flow, veh/h	1739	1356	393	1739	3084	403	1739	3233	278	1739	3115	371
Grp Volume(v), veh/h	21	0	147	12	79	83	23	49	51	11	151	156
Grp Sat Flow(s),veh/h/ln	1739	0	1749	1739	1735	1753	1739	1735	1776	1739	1735	1752
Q Serve(g_s), s	0.5	0.0	3.0	0.3	1.6	1.7	0.5	0.9	1.0	0.3	3.2	3.2
Cycle Q Clear(g_c), s	0.5	0.0	3.0	0.3	1.6	1.7	0.5	0.9	1.0	0.3	3.2	3.2
Prop In Lane	1.00		0.22	1.00		0.23	1.00		0.16	1.00		0.21
Lane Grp Cap(c), veh/h	54	0	317	33	293	296	49	324	332	30	305	308
V/C Ratio(X)	0.39	0.00	0.46	0.37	0.27	0.28	0.47	0.15	0.15	0.37	0.50	0.51
Avail Cap(c_a), veh/h	1079	0	1302	1079	1292	1306	1079	1722	1763	1079	1722	1739
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	19.1	0.0	14.7	19.5	14.6	14.6	19.3	13.7	13.7	19.6	15.0	15.0
Incr Delay (d2), s/veh	4.5	0.0	1.1	6.8	0.5	0.5	6.8	0.2	0.2	7.3	1.2	1.3
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	0.2	0.0	1.1	0.2	0.5	0.6	0.3	0.3	0.3	0.1	1.1	1.1
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	23.6	0.0	15.8	26.3	15.1	15.1	26.1	13.9	13.9	26.9	16.2	16.3
LnGrp LOS	C	A	B	C	B	B	C	B	B	C	B	B
Approach Vol, veh/h		168			174			123			318	
Approach Delay, s/veh		16.8			15.9			16.2			16.6	
Approach LOS		B			B			B			B	

Timer - Assigned Phs	1	2	3	4	5	6	7	8
Phs Duration (G+Y+Rc), s	6.7	13.5	6.8	13.3	7.1	13.1	7.3	12.8
Change Period (Y+Rc), s	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
Max Green Setting (Gmax), s	25.0	40.0	25.0	30.0	25.0	40.0	25.0	30.0
Max Q Clear Time (g_c+I1), s	2.3	3.0	2.3	5.0	2.5	5.2	2.5	3.7
Green Ext Time (p_c), s	0.0	0.5	0.0	0.8	0.0	1.7	0.0	0.8

Intersection Summary	
HCM 6th Ctrl Delay	16.4
HCM 6th LOS	B

Notes

User approved pedestrian interval to be less than phase max green.

Intersection	
Int Delay, s/veh	3.4

Movement	EBT	EBR	WBL	WBT	NBL	NBR
Lane Configurations						
Traffic Vol, veh/h	257	15	156	187	4	112
Future Vol, veh/h	257	15	156	187	4	112
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Stop	Stop
RT Channelized	-	None	-	None	-	None
Storage Length	-	-	65	-	0	-
Veh in Median Storage, #	0	-	-	0	0	-
Grade, %	0	-	-	0	0	-
Peak Hour Factor	93	93	93	93	93	93
Heavy Vehicles, %	5	5	5	5	5	5
Mvmt Flow	276	16	168	201	4	120

Major/Minor	Major1		Major2		Minor1	
Conflicting Flow All	0	0	292	0	721	146
Stage 1	-	-	-	-	284	-
Stage 2	-	-	-	-	437	-
Critical Hdwy	-	-	4.2	-	6.9	7
Critical Hdwy Stg 1	-	-	-	-	5.9	-
Critical Hdwy Stg 2	-	-	-	-	5.9	-
Follow-up Hdwy	-	-	2.25	-	3.55	3.35
Pot Cap-1 Maneuver	-	-	1245	-	356	865
Stage 1	-	-	-	-	730	-
Stage 2	-	-	-	-	610	-
Platoon blocked, %	-	-		-		
Mov Cap-1 Maneuver	-	-	1245	-	308	865
Mov Cap-2 Maneuver	-	-	-	-	413	-
Stage 1	-	-	-	-	730	-
Stage 2	-	-	-	-	528	-

Approach	EB	WB	NB
HCM Control Delay, s	0	3.8	10.1
HCM LOS			B

Minor Lane/Major Mvmt	NBLn1	EBT	EBR	WBL	WBT
Capacity (veh/h)	834	-	-	1245	-
HCM Lane V/C Ratio	0.15	-	-	0.135	-
HCM Control Delay (s)	10.1	-	-	8.3	-
HCM Lane LOS	B	-	-	A	-
HCM 95th %tile Q(veh)	0.5	-	-	0.5	-

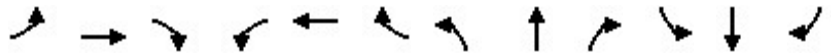
Movement	EBT	EBR	WBL	WBT	NBL	NBR
Lane Configurations						
Traffic Volume (veh/h)	274	96	21	252	92	17
Future Volume (veh/h)	274	96	21	252	92	17
Initial Q (Qb), veh	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)		1.00	1.00		1.00	1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach	No			No	No	
Adj Sat Flow, veh/h/ln	1826	1826	1826	1826	1826	1826
Adj Flow Rate, veh/h	298	93	23	274	100	13
Peak Hour Factor	0.92	0.92	0.92	0.92	0.92	0.92
Percent Heavy Veh, %	5	5	5	5	5	5
Cap, veh/h	1058	324	59	2008	226	201
Arrive On Green	0.40	0.40	0.03	0.58	0.13	0.13
Sat Flow, veh/h	2707	801	1739	3561	1739	1547
Grp Volume(v), veh/h	196	195	23	274	100	13
Grp Sat Flow(s),veh/h/ln	1735	1682	1739	1735	1739	1547
Q Serve(g_s), s	2.8	2.9	0.5	1.3	2.0	0.3
Cycle Q Clear(g_c), s	2.8	2.9	0.5	1.3	2.0	0.3
Prop In Lane		0.48	1.00		1.00	1.00
Lane Grp Cap(c), veh/h	702	680	59	2008	226	201
V/C Ratio(X)	0.28	0.29	0.39	0.14	0.44	0.06
Avail Cap(c_a), veh/h	1076	1043	281	2008	1172	1043
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	7.4	7.4	17.5	3.6	14.9	14.2
Incr Delay (d2), s/veh	0.2	0.2	4.1	0.0	1.4	0.1
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	0.6	0.6	0.2	0.1	0.7	0.1
Unsig. Movement Delay, s/veh						
LnGrp Delay(d),s/veh	7.6	7.7	21.6	3.6	16.3	14.3
LnGrp LOS	A	A	C	A	B	B
Approach Vol, veh/h	391			297	113	
Approach Delay, s/veh	7.6			5.0	16.0	
Approach LOS	A			A	B	

Timer - Assigned Phs	1	2				6	8
Phs Duration (G+Y+Rc), s	6.5	20.8				27.3	9.8
Change Period (Y+Rc), s	* 5.2	5.8				5.8	5.0
Max Green Setting (Gmax), s	* 6	23.0				15.0	25.0
Max Q Clear Time (g_c+I1), s	2.5	4.9				3.3	4.0
Green Ext Time (p_c), s	0.0	1.9				1.1	0.3

Intersection Summary	
HCM 6th Ctrl Delay	7.8
HCM 6th LOS	A

Notes

* HCM 6th computational engine requires equal clearance times for the phases crossing the barrier.



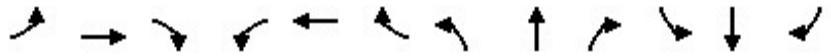
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	22	852	8	44	1257	61	33	6	8	39	44	44
Future Volume (veh/h)	22	852	8	44	1257	61	33	6	8	39	44	44
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		0.98	1.00		0.99	1.00		0.98	1.00		0.98
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No			No			No			No	
Adj Sat Flow, veh/h/ln	1826	1826	1826	1826	1826	1826	1826	1826	1826	1826	1826	1826
Adj Flow Rate, veh/h	24	947	8	49	1397	57	37	7	8	43	49	43
Peak Hour Factor	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90
Percent Heavy Veh, %	5	5	5	5	5	5	5	5	5	5	5	5
Cap, veh/h	48	2210	19	70	2172	88	82	124	109	150	65	57
Arrive On Green	0.03	0.63	0.63	0.04	0.64	0.64	0.05	0.07	0.07	0.04	0.07	0.07
Sat Flow, veh/h	1739	3525	30	1739	3395	138	1739	1735	1524	3374	890	781
Grp Volume(v), veh/h	24	466	489	49	712	742	37	7	8	43	0	92
Grp Sat Flow(s),veh/h/ln	1739	1735	1820	1739	1735	1799	1739	1735	1524	1687	0	1671
Q Serve(g_s), s	1.6	16.4	16.4	3.3	30.1	30.3	2.5	0.5	0.6	1.5	0.0	6.5
Cycle Q Clear(g_c), s	1.6	16.4	16.4	3.3	30.1	30.3	2.5	0.5	0.6	1.5	0.0	6.5
Prop In Lane	1.00		0.02	1.00		0.08	1.00		1.00	1.00		0.47
Lane Grp Cap(c), veh/h	48	1088	1141	70	1110	1151	82	124	109	150	0	122
V/C Ratio(X)	0.50	0.43	0.43	0.70	0.64	0.64	0.45	0.06	0.07	0.29	0.00	0.75
Avail Cap(c_a), veh/h	225	1088	1141	225	1110	1151	232	369	324	436	0	355
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.99	0.00	0.99
Uniform Delay (d), s/veh	57.5	11.4	11.4	56.9	13.2	13.3	55.6	51.9	52.0	55.5	0.0	54.6
Incr Delay (d2), s/veh	7.9	1.2	1.2	11.9	2.9	2.8	3.8	0.2	0.3	1.0	0.0	9.0
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	0.8	6.0	6.3	1.7	11.1	11.6	1.2	0.2	0.2	0.6	0.0	3.0
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	65.4	12.6	12.6	68.8	16.1	16.0	59.5	52.1	52.3	56.5	0.0	63.5
LnGrp LOS	E	B	B	E	B	B	E	D	D	E	A	E
Approach Vol, veh/h		979			1503			52			135	
Approach Delay, s/veh		13.9			17.8			57.4			61.3	
Approach LOS		B			B			E			E	

Timer - Assigned Phs	1	2	3	4	5	6	7	8
Phs Duration (G+Y+Rc), s	11.3	81.7	11.7	15.3	9.8	83.3	11.8	15.1
Change Period (Y+Rc), s	6.5	6.5	6.0	6.5	6.5	6.5	6.5	6.5
Max Green Setting (Gmax), s	15.5	15.5	16.0	25.5	15.5	37.5	15.5	25.5
Max Q Clear Time (g_c+I1), s	5.3	18.4	4.5	8.5	3.6	32.3	3.5	2.6
Green Ext Time (p_c), s	0.0	0.0	0.0	0.3	0.0	3.6	0.1	0.0

Intersection Summary	
HCM 6th Ctrl Delay	19.3
HCM 6th LOS	B

Notes

User approved pedestrian interval to be less than phase max green.



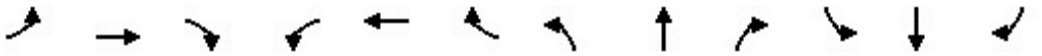
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	21	1056	45	245	1371	238	37	33	54	191	53	16
Future Volume (veh/h)	21	1056	45	245	1371	238	37	33	54	191	53	16
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		0.96	1.00		0.98
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No			No			No			No	
Adj Sat Flow, veh/h/ln	1826	1826	1826	1826	1826	1826	1826	1826	1826	1826	1826	1826
Adj Flow Rate, veh/h	24	1200	40	278	1558	213	42	38	50	217	60	12
Peak Hour Factor	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88
Percent Heavy Veh, %	5	5	5	5	5	5	5	5	5	5	5	5
Cap, veh/h	56	2632	946	225	2825	999	281	165	237	275	162	134
Arrive On Green	0.03	0.53	0.53	0.07	0.57	0.57	0.08	0.09	0.09	0.08	0.09	0.09
Sat Flow, veh/h	1739	4985	1547	3374	4985	1540	3374	1826	1480	3374	1826	1515
Grp Volume(v), veh/h	24	1200	40	278	1558	213	42	38	50	217	60	12
Grp Sat Flow(s),veh/h/ln	1739	1662	1547	1687	1662	1540	1687	1826	1480	1687	1826	1515
Q Serve(g_s), s	1.6	18.0	1.2	8.0	23.6	1.7	1.4	2.3	2.5	7.6	3.7	0.9
Cycle Q Clear(g_c), s	1.6	18.0	1.2	8.0	23.6	1.7	1.4	2.3	2.5	7.6	3.7	0.9
Prop In Lane	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Lane Grp Cap(c), veh/h	56	2632	946	225	2825	999	281	165	237	275	162	134
V/C Ratio(X)	0.43	0.46	0.04	1.24	0.55	0.21	0.15	0.23	0.21	0.79	0.37	0.09
Avail Cap(c_a), veh/h	123	2632	946	225	2825	999	281	548	547	365	593	492
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	57.0	17.6	9.3	56.0	16.4	2.1	51.1	50.7	22.6	54.1	51.5	50.2
Incr Delay (d2), s/veh	5.1	0.6	0.1	138.4	0.8	0.5	0.2	0.7	0.4	8.2	1.4	0.3
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	0.8	6.6	0.4	7.6	8.4	1.0	0.6	1.1	1.1	3.4	1.7	0.3
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	62.1	18.2	9.4	194.4	17.2	2.5	51.3	51.4	23.0	62.3	52.9	50.5
LnGrp LOS	E	B	A	F	B	A	D	D	C	E	D	D
Approach Vol, veh/h		1264			2049			130			289	
Approach Delay, s/veh		18.7			39.7			40.4			59.8	
Approach LOS		B			D			D			E	

Timer - Assigned Phs	1	2	3	4	5	6	7	8
Phs Duration (G+Y+Rc), s	10.4	75.0	17.0	17.6	15.0	70.4	16.8	17.8
Change Period (Y+Rc), s	6.5	7.0	7.0	7.0	7.0	* 7	7.0	7.0
Max Green Setting (Gmax), s	8.5	35.0	10.0	39.0	8.0	* 36	13.0	36.0
Max Q Clear Time (g_c+I1), s	3.6	25.6	3.4	5.7	10.0	20.0	9.6	4.5
Green Ext Time (p_c), s	0.0	6.6	0.0	0.3	0.0	7.1	0.2	0.3

Intersection Summary	
HCM 6th Ctrl Delay	34.2
HCM 6th LOS	C

Notes

* HCM 6th computational engine requires equal clearance times for the phases crossing the barrier.



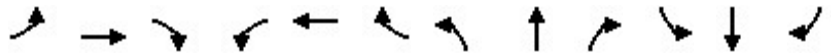
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	328	372	58	61	137	704	51	928	241	356	552	281
Future Volume (veh/h)	328	372	58	61	137	704	51	928	241	356	552	281
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		0.98	1.00		0.99	1.00		0.97	1.00		0.98
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No			No			No			No	
Adj Sat Flow, veh/h/ln	1826	1826	1826	1826	1826	1826	1826	1826	1826	1826	1826	1826
Adj Flow Rate, veh/h	331	376	54	62	138	469	52	937	218	360	558	223
Peak Hour Factor	0.99	0.99	0.99	0.99	0.99	0.99	0.99	0.99	0.99	0.99	0.99	0.99
Percent Heavy Veh, %	5	5	5	5	5	5	5	5	5	5	5	5
Cap, veh/h	353	458	65	121	211	1020	88	1140	264	876	1710	906
Arrive On Green	0.10	0.15	0.15	0.02	0.04	0.04	0.05	0.28	0.28	0.26	0.49	0.49
Sat Flow, veh/h	3374	3038	433	1739	1826	2702	1739	4019	931	3374	3469	1510
Grp Volume(v), veh/h	331	213	217	62	138	469	52	774	381	360	558	223
Grp Sat Flow(s),veh/h/ln	1687	1735	1736	1739	1826	1351	1739	1662	1627	1687	1735	1510
Q Serve(g_s), s	10.7	13.1	13.3	3.9	8.2	3.6	3.2	23.9	24.1	9.7	10.7	7.7
Cycle Q Clear(g_c), s	10.7	13.1	13.3	3.9	8.2	3.6	3.2	23.9	24.1	9.7	10.7	7.7
Prop In Lane	1.00		0.25	1.00		1.00	1.00		0.57	1.00		1.00
Lane Grp Cap(c), veh/h	353	261	262	121	211	1020	88	943	462	876	1710	906
V/C Ratio(X)	0.94	0.82	0.83	0.51	0.65	0.46	0.59	0.82	0.82	0.41	0.33	0.25
Avail Cap(c_a), veh/h	353	307	308	182	324	1186	213	1072	525	876	1710	906
HCM Platoon Ratio	1.00	1.00	1.00	0.33	0.33	0.33	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	0.78	0.78	0.78	1.00	1.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	48.9	45.2	45.3	51.9	50.7	10.6	51.1	36.8	36.8	33.7	16.9	10.5
Incr Delay (d2), s/veh	32.4	13.6	15.0	2.6	2.7	0.3	6.2	8.0	15.4	0.3	0.5	0.6
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	6.0	6.5	6.7	1.8	4.0	2.2	1.5	10.3	11.1	4.0	4.3	2.4
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	81.3	58.9	60.3	54.5	53.4	10.8	57.3	44.8	52.2	34.0	17.4	11.1
LnGrp LOS	F	E	E	D	D	B	E	D	D	C	B	B
Approach Vol, veh/h		761			669			1207			1141	
Approach Delay, s/veh		69.0			23.7			47.6			21.4	
Approach LOS		E			C			D			C	

Timer - Assigned Phs	1	2	3	4	5	6	7	8
Phs Duration (G+Y+Rc), s	35.1	37.7	14.1	23.1	12.1	60.7	18.0	19.2
Change Period (Y+Rc), s	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5
Max Green Setting (Gmax), s	17.5	35.5	11.5	19.5	13.5	39.5	11.5	19.5
Max Q Clear Time (g_c+I1), s	11.7	26.1	5.9	15.3	5.2	12.7	12.7	10.2
Green Ext Time (p_c), s	0.7	4.8	0.0	0.9	0.0	4.9	0.0	1.9

Intersection Summary	
HCM 6th Ctrl Delay	39.8
HCM 6th LOS	D

Notes

User approved pedestrian interval to be less than phase max green.



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	511	302	173	76	313	15	213	174	68	222	249	385
Future Volume (veh/h)	511	302	173	76	313	15	213	174	68	222	249	385
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		0.98	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No			No			No			No	
Adj Sat Flow, veh/h/ln	1826	1826	1826	1826	1826	1826	1826	1826	1826	1826	1826	1826
Adj Flow Rate, veh/h	532	315	138	79	326	11	202	210	55	231	259	297
Peak Hour Factor	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96
Percent Heavy Veh, %	5	5	5	5	5	5	5	5	5	5	5	5
Cap, veh/h	627	1213	741	158	883	394	235	246	209	395	176	202
Arrive On Green	0.19	0.35	0.35	0.09	0.25	0.25	0.13	0.13	0.13	0.23	0.23	0.23
Sat Flow, veh/h	3374	3469	1523	1739	3469	1547	1739	1826	1547	1739	776	890
Grp Volume(v), veh/h	532	315	138	79	326	11	202	210	55	231	0	556
Grp Sat Flow(s),veh/h/ln	1687	1735	1523	1739	1735	1547	1739	1826	1547	1739	0	1666
Q Serve(g_s), s	16.8	7.1	5.7	4.8	8.5	0.6	12.5	12.4	3.5	13.0	0.0	25.0
Cycle Q Clear(g_c), s	16.8	7.1	5.7	4.8	8.5	0.6	12.5	12.4	3.5	13.0	0.0	25.0
Prop In Lane	1.00		1.00	1.00		1.00	1.00		1.00	1.00		0.53
Lane Grp Cap(c), veh/h	627	1213	741	158	883	394	235	246	209	395	0	379
V/C Ratio(X)	0.85	0.26	0.19	0.50	0.37	0.03	0.86	0.85	0.26	0.58	0.00	1.47
Avail Cap(c_a), veh/h	1043	1213	741	237	883	394	269	282	239	395	0	379
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	0.70	0.70	0.70	1.00	1.00	1.00	0.92	0.92	0.92	1.00	0.00	1.00
Uniform Delay (d), s/veh	43.3	25.6	16.1	47.6	33.7	30.8	46.6	46.5	42.7	37.9	0.0	42.5
Incr Delay (d2), s/veh	2.5	0.4	0.4	0.9	1.2	0.1	18.4	16.5	0.2	1.5	0.0	224.9
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	7.0	2.9	2.6	2.0	3.6	0.2	6.5	6.6	1.3	5.7	0.0	33.8
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	45.8	26.0	16.5	48.5	34.9	30.9	65.0	63.0	42.9	39.4	0.0	267.4
LnGrp LOS	D	C	B	D	C	C	E	E	D	D	A	F
Approach Vol, veh/h		985			416			467			787	
Approach Delay, s/veh		35.3			37.4			61.5			200.4	
Approach LOS		D			D			E			F	

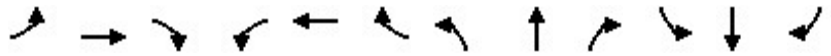
Timer - Assigned Phs	1	2		4	5	6		8
Phs Duration (G+Y+Rc), s	14.7	45.2		30.1	25.2	34.8		19.9
Change Period (Y+Rc), s	* 4.7	6.8		5.1	* 4.7	6.8		5.1
Max Green Setting (Gmax), s	* 15	31.3		25.0	* 34	12.3		17.0
Max Q Clear Time (g_c+I1), s	16.8	9.1		27.0	18.8	10.5		14.5
Green Ext Time (p_c), s	0.0	1.4		0.0	1.7	0.2		0.3

Intersection Summary	
HCM 6th Ctrl Delay	89.2
HCM 6th LOS	F

Notes

User approved volume balancing among the lanes for turning movement.

* HCM 6th computational engine requires equal clearance times for the phases crossing the barrier.



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	72	237	77	17	84	24	35	302	38	41	306	26
Future Volume (veh/h)	72	237	77	17	84	24	35	302	38	41	306	26
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		0.96
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No			No			No			No	
Adj Sat Flow, veh/h/ln	1826	1826	1826	1826	1826	1826	1826	1826	1826	1826	1826	1826
Adj Flow Rate, veh/h	74	244	69	18	87	20	36	311	34	42	315	22
Peak Hour Factor	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97
Percent Heavy Veh, %	5	5	5	5	5	5	5	5	5	5	5	5
Cap, veh/h	135	340	96	46	555	124	69	569	62	93	637	44
Arrive On Green	0.08	0.25	0.25	0.03	0.20	0.20	0.04	0.18	0.18	0.05	0.19	0.19
Sat Flow, veh/h	1739	1369	387	1739	2817	628	1739	3156	342	1739	3282	228
Grp Volume(v), veh/h	74	0	313	18	53	54	36	170	175	42	166	171
Grp Sat Flow(s),veh/h/ln	1739	0	1756	1739	1735	1711	1739	1735	1764	1739	1735	1775
Q Serve(g_s), s	2.0	0.0	8.0	0.5	1.2	1.3	1.0	4.3	4.4	1.1	4.2	4.2
Cycle Q Clear(g_c), s	2.0	0.0	8.0	0.5	1.2	1.3	1.0	4.3	4.4	1.1	4.2	4.2
Prop In Lane	1.00		0.22	1.00		0.37	1.00		0.19	1.00		0.13
Lane Grp Cap(c), veh/h	135	0	436	46	341	337	69	313	318	93	337	345
V/C Ratio(X)	0.55	0.00	0.72	0.39	0.15	0.16	0.52	0.54	0.55	0.45	0.49	0.50
Avail Cap(c_a), veh/h	890	0	1079	890	1066	1051	890	1421	1445	890	1421	1454
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	21.7	0.0	16.8	23.4	16.2	16.3	23.0	18.2	18.2	22.4	17.5	17.5
Incr Delay (d2), s/veh	3.4	0.0	2.2	5.2	0.2	0.2	6.0	1.5	1.5	3.4	1.1	1.1
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	0.9	0.0	3.1	0.2	0.4	0.4	0.5	1.6	1.6	0.5	1.5	1.5
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	25.1	0.0	19.0	28.6	16.4	16.5	29.0	19.6	19.7	25.8	18.6	18.7
LnGrp LOS	C	A	B	C	B	B	C	B	B	C	B	B
Approach Vol, veh/h		387			125			381			379	
Approach Delay, s/veh		20.2			18.2			20.6			19.4	
Approach LOS		C			B			C			B	

Timer - Assigned Phs	1	2	3	4	5	6	7	8
Phs Duration (G+Y+Rc), s	8.6	14.8	7.3	18.1	7.9	15.5	9.8	15.6
Change Period (Y+Rc), s	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
Max Green Setting (Gmax), s	25.0	40.0	25.0	30.0	25.0	40.0	25.0	30.0
Max Q Clear Time (g_c+I1), s	3.1	6.4	2.5	10.0	3.0	6.2	4.0	3.3
Green Ext Time (p_c), s	0.1	2.0	0.0	1.8	0.1	1.9	0.2	0.5

Intersection Summary	
HCM 6th Ctrl Delay	19.9
HCM 6th LOS	B

Notes

User approved pedestrian interval to be less than phase max green.

Intersection	
Int Delay, s/veh	5

Movement	EBT	EBR	WBL	WBT	NBL	NBR
Lane Configurations						
Traffic Vol, veh/h	616	20	92	359	14	344
Future Vol, veh/h	616	20	92	359	14	344
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Stop	Stop
RT Channelized	-	None	-	None	-	None
Storage Length	-	-	65	-	0	-
Veh in Median Storage, #	0	-	-	0	0	-
Grade, %	0	-	-	0	0	-
Peak Hour Factor	98	98	98	98	98	98
Heavy Vehicles, %	5	5	5	5	5	5
Mvmt Flow	629	20	94	366	14	351

Major/Minor	Major1		Major2		Minor1	
Conflicting Flow All	0	0	649	0	1010	325
Stage 1	-	-	-	-	639	-
Stage 2	-	-	-	-	371	-
Critical Hdwy	-	-	4.2	-	6.9	7
Critical Hdwy Stg 1	-	-	-	-	5.9	-
Critical Hdwy Stg 2	-	-	-	-	5.9	-
Follow-up Hdwy	-	-	2.25	-	3.55	3.35
Pot Cap-1 Maneuver	-	-	913	-	231	662
Stage 1	-	-	-	-	480	-
Stage 2	-	-	-	-	659	-
Platoon blocked, %	-	-		-		
Mov Cap-1 Maneuver	-	-	913	-	207	662
Mov Cap-2 Maneuver	-	-	-	-	335	-
Stage 1	-	-	-	-	480	-
Stage 2	-	-	-	-	591	-

Approach	EB	WB	NB
HCM Control Delay, s	0	1.9	17.9
HCM LOS			C

Minor Lane/Major Mvmt	NBLn1	EBT	EBR	WBL	WBT
Capacity (veh/h)	638	-	-	913	-
HCM Lane V/C Ratio	0.573	-	-	0.103	-
HCM Control Delay (s)	17.9	-	-	9.4	-
HCM Lane LOS	C	-	-	A	-
HCM 95th %tile Q(veh)	3.6	-	-	0.3	-

Movement	EBT	EBR	WBL	WBT	NBL	NBR
Lane Configurations						
Traffic Volume (veh/h)	773	186	33	277	173	60
Future Volume (veh/h)	773	186	33	277	173	60
Initial Q (Qb), veh	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)		1.00	1.00		1.00	1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach	No			No	No	
Adj Sat Flow, veh/h/ln	1826	1826	1826	1826	1826	1826
Adj Flow Rate, veh/h	789	170	34	283	177	46
Peak Hour Factor	0.98	0.98	0.98	0.98	0.98	0.98
Percent Heavy Veh, %	5	5	5	5	5	5
Cap, veh/h	1117	241	82	1979	278	248
Arrive On Green	0.39	0.39	0.05	0.57	0.16	0.16
Sat Flow, veh/h	2930	612	1739	3561	1739	1547
Grp Volume(v), veh/h	482	477	34	283	177	46
Grp Sat Flow(s),veh/h/ln	1735	1716	1739	1735	1739	1547
Q Serve(g_s), s	9.4	9.4	0.8	1.5	3.8	1.0
Cycle Q Clear(g_c), s	9.4	9.4	0.8	1.5	3.8	1.0
Prop In Lane		0.36	1.00		1.00	1.00
Lane Grp Cap(c), veh/h	682	675	82	1979	278	248
V/C Ratio(X)	0.71	0.71	0.41	0.14	0.64	0.19
Avail Cap(c_a), veh/h	996	985	260	1979	1085	966
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	10.2	10.2	18.5	4.0	15.7	14.6
Incr Delay (d2), s/veh	1.4	1.4	3.3	0.0	2.4	0.4
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	2.4	2.4	0.3	0.2	1.4	0.3
Unsig. Movement Delay, s/veh						
LnGrp Delay(d),s/veh	11.6	11.6	21.9	4.1	18.1	14.9
LnGrp LOS	B	B	C	A	B	B
Approach Vol, veh/h	959			317	223	
Approach Delay, s/veh	11.6			6.0	17.5	
Approach LOS	B			A	B	

Timer - Assigned Phs	1	2				6	8
Phs Duration (G+Y+Rc), s	7.1	21.6				28.6	11.4
Change Period (Y+Rc), s	* 5.2	5.8				5.8	5.0
Max Green Setting (Gmax), s	* 6	23.0				15.0	25.0
Max Q Clear Time (g_c+I1), s	2.8	11.4				3.5	5.8
Green Ext Time (p_c), s	0.0	4.4				1.2	0.6

Intersection Summary	
HCM 6th Ctrl Delay	11.3
HCM 6th LOS	B

Notes

* HCM 6th computational engine requires equal clearance times for the phases crossing the barrier.

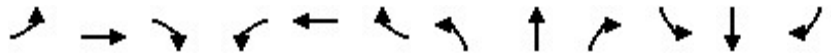
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	45	1290	8	98	1107	146	70	60	74	177	91	43
Future Volume (veh/h)	45	1290	8	98	1107	146	70	60	74	177	91	43
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		0.98	1.00		1.00	1.00		1.00	1.00		0.99
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No			No			No			No	
Adj Sat Flow, veh/h/ln	1826	1826	1826	1826	1826	1826	1826	1826	1826	1826	1826	1826
Adj Flow Rate, veh/h	46	1316	7	100	1130	134	71	61	71	181	93	39
Peak Hour Factor	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98
Percent Heavy Veh, %	5	5	5	5	5	5	5	5	5	5	5	5
Cap, veh/h	59	1353	7	513	2009	238	89	143	127	227	124	52
Arrive On Green	0.03	0.38	0.38	0.29	0.64	0.64	0.05	0.08	0.08	0.07	0.10	0.10
Sat Flow, veh/h	1739	3538	19	1739	3124	370	1739	1735	1542	3374	1218	511
Grp Volume(v), veh/h	46	645	678	100	626	638	71	61	71	181	0	132
Grp Sat Flow(s),veh/h/ln	1739	1735	1822	1739	1735	1759	1739	1735	1542	1687	0	1729
Q Serve(g_s), s	3.9	54.9	54.9	6.5	30.3	30.4	6.1	5.0	6.6	7.9	0.0	11.1
Cycle Q Clear(g_c), s	3.9	54.9	54.9	6.5	30.3	30.4	6.1	5.0	6.6	7.9	0.0	11.1
Prop In Lane	1.00		0.01	1.00		0.21	1.00		1.00	1.00		0.30
Lane Grp Cap(c), veh/h	59	663	697	513	1115	1131	89	143	127	227	0	176
V/C Ratio(X)	0.78	0.97	0.97	0.20	0.56	0.56	0.80	0.43	0.56	0.80	0.00	0.75
Avail Cap(c_a), veh/h	214	665	698	513	1115	1131	162	422	375	304	0	421
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.95	0.00	0.95
Uniform Delay (d), s/veh	71.9	45.6	45.6	39.6	15.0	15.0	70.4	65.5	66.2	68.9	0.0	65.5
Incr Delay (d2), s/veh	19.0	28.9	28.1	0.2	2.0	2.0	14.7	2.0	3.8	9.8	0.0	6.0
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	2.0	28.1	29.4	2.8	11.7	11.9	3.0	2.3	2.7	3.7	0.0	5.2
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	90.9	74.5	73.7	39.8	17.0	17.0	85.1	67.5	70.0	78.7	0.0	71.6
LnGrp LOS	F	E	E	D	B	B	F	E	E	E	A	E
Approach Vol, veh/h		1369			1364			203			313	
Approach Delay, s/veh		74.6			18.7			74.5			75.7	
Approach LOS		E			B			E			E	

Timer - Assigned Phs	1	2	3	4	5	6	7	8
Phs Duration (G+Y+Rc), s	10.7	63.8	13.7	21.7	11.6	102.9	16.6	18.8
Change Period (Y+Rc), s	6.5	6.5	6.0	6.5	6.5	6.5	6.5	6.5
Max Green Setting (Gmax), s	16.5	57.5	14.0	36.5	18.5	35.5	13.5	36.5
Max Q Clear Time (g_c+I1), s	8.5	56.9	8.1	13.1	5.9	32.4	9.9	8.6
Green Ext Time (p_c), s	0.1	0.5	0.1	0.6	0.1	2.0	0.2	0.7

Intersection Summary	
HCM 6th Ctrl Delay	51.2
HCM 6th LOS	D

Notes

User approved pedestrian interval to be less than phase max green.



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	38	1367	134	390	1106	206	138	122	205	553	189	24
Future Volume (veh/h)	38	1367	134	390	1106	206	138	122	205	553	189	24
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		0.96	1.00		0.99
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No			No			No			No	
Adj Sat Flow, veh/h/ln	1826	1826	1826	1826	1826	1826	1826	1826	1826	1826	1826	1826
Adj Flow Rate, veh/h	40	1439	109	411	1164	175	145	128	174	582	199	20
Peak Hour Factor	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
Percent Heavy Veh, %	5	5	5	5	5	5	5	5	5	5	5	5
Cap, veh/h	66	2077	748	416	2503	1073	225	156	317	645	383	320
Arrive On Green	0.04	0.42	0.42	0.12	0.50	0.50	0.07	0.09	0.09	0.19	0.21	0.21
Sat Flow, veh/h	1739	4985	1547	3374	4985	1547	3374	1826	1479	3374	1826	1525
Grp Volume(v), veh/h	40	1439	109	411	1164	175	145	128	174	582	199	20
Grp Sat Flow(s),veh/h/ln	1739	1662	1547	1687	1662	1547	1687	1826	1479	1687	1826	1525
Q Serve(g_s), s	3.4	35.5	2.9	18.2	22.7	1.6	6.3	10.3	0.0	25.3	14.5	1.6
Cycle Q Clear(g_c), s	3.4	35.5	2.9	18.2	22.7	1.6	6.3	10.3	0.0	25.3	14.5	1.6
Prop In Lane	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Lane Grp Cap(c), veh/h	66	2077	748	416	2503	1073	225	156	317	645	383	320
V/C Ratio(X)	0.61	0.69	0.15	0.99	0.46	0.16	0.64	0.82	0.55	0.90	0.52	0.06
Avail Cap(c_a), veh/h	226	2077	748	416	2503	1073	247	170	329	787	463	386
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	71.1	35.9	7.6	65.6	24.2	2.0	68.3	67.5	52.9	59.3	52.5	47.4
Incr Delay (d2), s/veh	8.7	1.9	0.4	40.6	0.6	0.3	4.9	24.6	1.8	12.0	1.1	0.1
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	1.7	14.4	1.4	10.1	8.8	0.9	2.9	5.9	6.0	11.7	6.7	0.6
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	79.8	37.8	8.1	106.3	24.9	2.4	73.2	92.1	54.7	71.3	53.6	47.5
LnGrp LOS	E	D	A	F	C	A	E	F	D	E	D	D
Approach Vol, veh/h		1588			1750			447			801	
Approach Delay, s/veh		36.8			41.7			71.4			66.3	
Approach LOS		D			D			E			E	

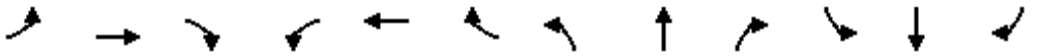
Timer - Assigned Phs	1	2	3	4	5	6	7	8
Phs Duration (G+Y+Rc), s	12.2	82.3	17.0	38.5	25.5	69.0	35.7	19.8
Change Period (Y+Rc), s	6.5	7.0	7.0	7.0	7.0	6.5	7.0	7.0
Max Green Setting (Gmax), s	19.5	36.0	11.0	38.0	11.0	62.5	35.0	14.0
Max Q Clear Time (g_c+I1), s	5.4	24.7	8.3	16.5	20.2	37.5	27.3	12.3
Green Ext Time (p_c), s	0.0	6.0	0.1	1.0	0.0	11.4	1.4	0.2

Intersection Summary	
HCM 6th Ctrl Delay	47.2
HCM 6th LOS	D

Notes

User approved pedestrian interval to be less than phase max green.

Appendix J - LOS Calculation Worksheets Near-Term Year 2024 Base with Project Conditions



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	127	216	22	109	176	421	28	282	96	441	664	469
Future Volume (veh/h)	127	216	22	109	176	421	28	282	96	441	664	469
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		0.98	1.00		1.00	1.00		0.97	1.00		0.98
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No			No			No			No	
Adj Sat Flow, veh/h/ln	1826	1826	1826	1826	1826	1826	1826	1826	1826	1826	1826	1826
Adj Flow Rate, veh/h	135	230	21	116	187	320	30	300	91	469	706	393
Peak Hour Factor	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94
Percent Heavy Veh, %	5	5	5	5	5	5	5	5	5	5	5	5
Cap, veh/h	239	385	35	141	237	1644	63	456	130	1598	1932	953
Arrive On Green	0.07	0.12	0.12	0.08	0.13	0.13	0.04	0.12	0.12	0.47	0.56	0.56
Sat Flow, veh/h	3374	3212	291	1739	1826	2723	1739	3826	1092	3374	3469	1514
Grp Volume(v), veh/h	135	123	128	116	187	320	30	258	133	469	706	393
Grp Sat Flow(s),veh/h/ln	1687	1735	1768	1739	1826	1362	1739	1662	1595	1687	1735	1514
Q Serve(g_s), s	4.9	8.5	8.6	8.3	12.5	2.1	2.1	9.3	10.1	10.7	14.3	16.5
Cycle Q Clear(g_c), s	4.9	8.5	8.6	8.3	12.5	2.1	2.1	9.3	10.1	10.7	14.3	16.5
Prop In Lane	1.00		0.16	1.00		1.00	1.00		0.68	1.00		1.00
Lane Grp Cap(c), veh/h	239	208	212	141	237	1644	63	396	190	1598	1932	953
V/C Ratio(X)	0.57	0.59	0.60	0.82	0.79	0.19	0.48	0.65	0.70	0.29	0.37	0.41
Avail Cap(c_a), veh/h	428	385	393	221	406	1895	221	949	456	1598	1932	953
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	0.94	0.94	0.94	1.00	1.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	56.7	52.5	52.6	57.0	53.1	3.2	59.6	53.0	53.3	20.3	15.5	11.8
Incr Delay (d2), s/veh	2.1	2.7	2.8	12.4	5.4	0.1	5.5	8.1	19.2	0.1	0.5	1.3
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	2.1	3.8	3.9	4.0	6.0	0.7	1.0	4.3	5.0	4.3	5.7	5.4
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	58.8	55.2	55.4	69.4	58.6	3.2	65.1	61.1	72.6	20.4	16.1	13.1
LnGrp LOS	E	E	E	E	E	A	E	E	E	C	B	B
Approach Vol, veh/h		386			623			421			1568	
Approach Delay, s/veh		56.5			32.1			65.0			16.6	
Approach LOS		E			C			E			B	

Timer - Assigned Phs	1	2	3	4	5	6	7	8
Phs Duration (G+Y+Rc), s	66.2	21.5	16.7	21.6	11.1	76.7	15.4	22.9
Change Period (Y+Rc), s	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5
Max Green Setting (Gmax), s	20.0	36.0	16.0	28.0	16.0	40.0	16.0	28.0
Max Q Clear Time (g_c+I1), s	12.7	12.1	10.3	10.6	4.1	18.5	6.9	14.5
Green Ext Time (p_c), s	1.1	2.2	0.1	1.1	0.0	6.7	0.2	1.9

Intersection Summary	
HCM 6th Ctrl Delay	31.8
HCM 6th LOS	C

Notes

User approved pedestrian interval to be less than phase max green.

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	430	186	143	42	164	11	61	54	13	88	256	477
Future Volume (veh/h)	430	186	143	42	164	11	61	54	13	88	256	477
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No			No			No			No	
Adj Sat Flow, veh/h/ln	1826	1826	1826	1826	1826	1826	1826	1826	1826	1826	1826	1826
Adj Flow Rate, veh/h	462	200	122	45	176	11	62	64	12	95	275	395
Peak Hour Factor	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93
Percent Heavy Veh, %	5	5	5	5	5	5	5	5	5	5	5	5
Cap, veh/h	405	645	454	136	501	223	187	197	167	715	278	400
Arrive On Green	0.12	0.19	0.19	0.08	0.14	0.14	0.11	0.11	0.11	0.41	0.41	0.41
Sat Flow, veh/h	3374	3469	1547	1739	3469	1547	1739	1826	1547	1739	678	973
Grp Volume(v), veh/h	462	200	122	45	176	11	62	64	12	95	0	670
Grp Sat Flow(s),veh/h/ln	1687	1735	1547	1739	1735	1547	1739	1826	1547	1739	0	1651
Q Serve(g_s), s	12.0	5.0	6.0	2.4	4.6	0.6	3.3	3.2	0.7	3.4	0.0	40.2
Cycle Q Clear(g_c), s	12.0	5.0	6.0	2.4	4.6	0.6	3.3	3.2	0.7	3.4	0.0	40.2
Prop In Lane	1.00		1.00	1.00		1.00	1.00		1.00	1.00		0.59
Lane Grp Cap(c), veh/h	405	645	454	136	501	223	187	197	167	715	0	678
V/C Ratio(X)	1.14	0.31	0.27	0.33	0.35	0.05	0.33	0.33	0.07	0.13	0.00	0.99
Avail Cap(c_a), veh/h	405	645	454	261	501	223	278	292	248	715	0	678
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	0.70	0.70	0.70	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00
Uniform Delay (d), s/veh	44.0	35.2	27.1	43.6	38.6	36.9	41.3	41.3	40.1	18.3	0.0	29.2
Incr Delay (d2), s/veh	82.8	0.9	1.0	0.5	1.9	0.4	0.4	0.4	0.1	0.0	0.0	31.3
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	9.5	2.1	2.6	1.0	2.0	0.2	1.4	1.4	0.3	1.4	0.0	21.1
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	126.8	36.0	28.1	44.1	40.5	37.3	41.7	41.6	40.2	18.4	0.0	60.5
LnGrp LOS	F	D	C	D	D	D	D	D	D	B	A	E
Approach Vol, veh/h		784			232			138			765	
Approach Delay, s/veh		88.3			41.0			41.5			55.2	
Approach LOS		F			D			D			E	

Timer - Assigned Phs	1	2		4	5	6		8
Phs Duration (G+Y+Rc), s	12.5	25.4		46.2	16.7	21.2		15.9
Change Period (Y+Rc), s	* 4.7	6.8		5.1	* 4.7	6.8		5.1
Max Green Setting (Gmax), s	* 15	6.2		41.1	* 12	9.2		16.0
Max Q Clear Time (g_c+I1), s	14.4	8.0		42.2	14.0	6.6		5.3
Green Ext Time (p_c), s	0.0	0.0		0.0	0.0	0.1		0.2

Intersection Summary		
HCM 6th Ctrl Delay	66.0	
HCM 6th LOS	E	

Notes

User approved pedestrian interval to be less than phase max green.

User approved volume balancing among the lanes for turning movement.

* HCM 6th computational engine requires equal clearance times for the phases crossing the barrier.

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	19	113	33	28	140	23	21	84	23	17	249	34
Future Volume (veh/h)	19	113	33	28	140	23	21	84	23	17	249	34
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		0.99	1.00		1.00	1.00		1.00	1.00		0.98
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No			No			No			No	
Adj Sat Flow, veh/h/ln	1826	1826	1826	1826	1826	1826	1826	1826	1826	1826	1826	1826
Adj Flow Rate, veh/h	21	124	33	31	154	23	23	92	24	19	274	33
Peak Hour Factor	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91
Percent Heavy Veh, %	5	5	5	5	5	5	5	5	5	5	5	5
Cap, veh/h	54	233	62	76	548	80	49	476	120	50	542	65
Arrive On Green	0.03	0.17	0.17	0.04	0.18	0.18	0.03	0.17	0.17	0.03	0.17	0.17
Sat Flow, veh/h	1739	1385	369	1739	3035	446	1739	2744	692	1739	3115	371
Grp Volume(v), veh/h	21	0	157	31	87	90	23	57	59	19	151	156
Grp Sat Flow(s),veh/h/ln	1739	0	1754	1739	1735	1746	1739	1735	1701	1739	1735	1752
Q Serve(g_s), s	0.5	0.0	3.3	0.7	1.8	1.8	0.5	1.1	1.2	0.4	3.2	3.3
Cycle Q Clear(g_c), s	0.5	0.0	3.3	0.7	1.8	1.8	0.5	1.1	1.2	0.4	3.2	3.3
Prop In Lane	1.00		0.21	1.00		0.26	1.00		0.41	1.00		0.21
Lane Grp Cap(c), veh/h	54	0	295	76	313	315	49	301	295	50	302	305
V/C Ratio(X)	0.39	0.00	0.53	0.41	0.28	0.29	0.47	0.19	0.20	0.38	0.50	0.51
Avail Cap(c_a), veh/h	1062	0	1285	1062	1271	1280	1062	1695	1663	1062	1695	1712
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	19.4	0.0	15.6	19.1	14.5	14.5	19.6	14.5	14.5	19.5	15.3	15.3
Incr Delay (d2), s/veh	4.5	0.0	1.5	3.5	0.5	0.5	6.9	0.3	0.3	4.8	1.3	1.3
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	0.2	0.0	1.3	0.3	0.6	0.6	0.3	0.4	0.4	0.2	1.1	1.1
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	23.9	0.0	17.1	22.6	14.9	15.0	26.5	14.8	14.8	24.3	16.6	16.7
LnGrp LOS	C	A	B	C	B	B	C	B	B	C	B	B
Approach Vol, veh/h		178			208			139			326	
Approach Delay, s/veh		17.9			16.1			16.7			17.1	
Approach LOS		B			B			B			B	

Timer - Assigned Phs	1	2	3	4	5	6	7	8
Phs Duration (G+Y+Rc), s	7.2	13.1	7.8	12.9	7.2	13.1	7.3	13.4
Change Period (Y+Rc), s	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
Max Green Setting (Gmax), s	25.0	40.0	25.0	30.0	25.0	40.0	25.0	30.0
Max Q Clear Time (g_c+I1), s	2.4	3.2	2.7	5.3	2.5	5.3	2.5	3.8
Green Ext Time (p_c), s	0.0	0.6	0.0	0.9	0.0	1.7	0.0	0.9

Intersection Summary	
HCM 6th Ctrl Delay	16.9
HCM 6th LOS	B

Notes

User approved pedestrian interval to be less than phase max green.

Intersection	
Int Delay, s/veh	3.7

Movement	EBT	EBR	WBL	WBT	NBL	NBR
Lane Configurations						
Traffic Vol, veh/h	270	38	168	192	16	119
Future Vol, veh/h	270	38	168	192	16	119
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Stop	Stop
RT Channelized	-	None	-	None	-	None
Storage Length	-	-	65	-	0	-
Veh in Median Storage, #	0	-	-	0	0	-
Grade, %	0	-	-	0	0	-
Peak Hour Factor	93	93	93	93	93	93
Heavy Vehicles, %	5	5	5	5	5	5
Mvmt Flow	290	41	181	206	17	128

Major/Minor	Major1		Major2		Minor1	
Conflicting Flow All	0	0	331	0	776	166
Stage 1	-	-	-	-	311	-
Stage 2	-	-	-	-	465	-
Critical Hdwy	-	-	4.2	-	6.9	7
Critical Hdwy Stg 1	-	-	-	-	5.9	-
Critical Hdwy Stg 2	-	-	-	-	5.9	-
Follow-up Hdwy	-	-	2.25	-	3.55	3.35
Pot Cap-1 Maneuver	-	-	1204	-	328	840
Stage 1	-	-	-	-	707	-
Stage 2	-	-	-	-	590	-
Platoon blocked, %	-	-		-		
Mov Cap-1 Maneuver	-	-	1204	-	279	840
Mov Cap-2 Maneuver	-	-	-	-	388	-
Stage 1	-	-	-	-	707	-
Stage 2	-	-	-	-	502	-

Approach	EB	WB	NB
HCM Control Delay, s	0	4	11.1
HCM LOS			B

Minor Lane/Major Mvmt	NBLn1	EBT	EBR	WBL	WBT
Capacity (veh/h)	738	-	-	1204	-
HCM Lane V/C Ratio	0.197	-	-	0.15	-
HCM Control Delay (s)	11.1	-	-	8.5	-
HCM Lane LOS	B	-	-	A	-
HCM 95th %tile Q(veh)	0.7	-	-	0.5	-

Movement	EBT	EBR	WBL	WBT	NBL	NBR
Lane Configurations						
Traffic Volume (veh/h)	291	98	21	267	95	17
Future Volume (veh/h)	291	98	21	267	95	17
Initial Q (Qb), veh	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)		1.00	1.00		1.00	1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach	No			No	No	
Adj Sat Flow, veh/h/ln	1826	1826	1826	1826	1826	1826
Adj Flow Rate, veh/h	316	96	23	290	103	13
Peak Hour Factor	0.92	0.92	0.92	0.92	0.92	0.92
Percent Heavy Veh, %	5	5	5	5	5	5
Cap, veh/h	1063	317	59	2005	229	203
Arrive On Green	0.40	0.40	0.03	0.58	0.13	0.13
Sat Flow, veh/h	2724	786	1739	3561	1739	1547
Grp Volume(v), veh/h	206	206	23	290	103	13
Grp Sat Flow(s),veh/h/ln	1735	1684	1739	1735	1739	1547
Q Serve(g_s), s	3.0	3.1	0.5	1.4	2.0	0.3
Cycle Q Clear(g_c), s	3.0	3.1	0.5	1.4	2.0	0.3
Prop In Lane		0.47	1.00		1.00	1.00
Lane Grp Cap(c), veh/h	700	680	59	2005	229	203
V/C Ratio(X)	0.29	0.30	0.39	0.14	0.45	0.06
Avail Cap(c_a), veh/h	1074	1043	281	2005	1170	1041
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	7.5	7.5	17.6	3.6	14.9	14.1
Incr Delay (d2), s/veh	0.2	0.2	4.1	0.0	1.4	0.1
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	0.6	0.7	0.2	0.1	0.7	0.1
Unsig. Movement Delay, s/veh						
LnGrp Delay(d),s/veh	7.7	7.8	21.7	3.6	16.3	14.3
LnGrp LOS	A	A	C	A	B	B
Approach Vol, veh/h	412			313	116	
Approach Delay, s/veh	7.7			5.0	16.1	
Approach LOS	A			A	B	

Timer - Assigned Phs	1	2				6	8
Phs Duration (G+Y+Rc), s	6.5	20.8				27.3	9.9
Change Period (Y+Rc), s	* 5.2	5.8				5.8	5.0
Max Green Setting (Gmax), s	* 6	23.0				15.0	25.0
Max Q Clear Time (g_c+I1), s	2.5	5.1				3.4	4.0
Green Ext Time (p_c), s	0.0	2.0				1.2	0.3

Intersection Summary	
HCM 6th Ctrl Delay	7.9
HCM 6th LOS	A

Notes

* HCM 6th computational engine requires equal clearance times for the phases crossing the barrier.

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	34	852	8	44	1257	61	33	9	8	39	47	58
Future Volume (veh/h)	34	852	8	44	1257	61	33	9	8	39	47	58
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		0.98	1.00		0.99	1.00		0.99	1.00		0.99
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No			No			No			No	
Adj Sat Flow, veh/h/ln	1826	1826	1826	1826	1826	1826	1826	1826	1826	1826	1826	1826
Adj Flow Rate, veh/h	38	947	8	49	1397	57	37	10	8	43	52	58
Peak Hour Factor	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90
Percent Heavy Veh, %	5	5	5	5	5	5	5	5	5	5	5	5
Cap, veh/h	62	2168	18	70	2102	86	82	162	113	150	66	74
Arrive On Green	0.04	0.61	0.61	0.04	0.62	0.62	0.05	0.08	0.08	0.04	0.09	0.09
Sat Flow, veh/h	1739	3525	30	1739	3395	138	1739	1938	1355	3374	782	872
Grp Volume(v), veh/h	38	466	489	49	713	741	37	9	9	43	0	110
Grp Sat Flow(s),veh/h/ln	1739	1735	1820	1739	1735	1799	1739	1735	1558	1687	0	1654
Q Serve(g_s), s	2.6	17.0	17.0	3.3	31.8	32.0	2.5	0.6	0.7	1.5	0.0	7.8
Cycle Q Clear(g_c), s	2.6	17.0	17.0	3.3	31.8	32.0	2.5	0.6	0.7	1.5	0.0	7.8
Prop In Lane	1.00		0.02	1.00		0.08	1.00		0.87	1.00		0.53
Lane Grp Cap(c), veh/h	62	1067	1119	70	1074	1114	82	145	130	150	0	141
V/C Ratio(X)	0.61	0.44	0.44	0.70	0.66	0.67	0.45	0.06	0.07	0.29	0.00	0.78
Avail Cap(c_a), veh/h	225	1067	1119	225	1074	1114	232	369	331	436	0	351
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.99	0.00	0.99
Uniform Delay (d), s/veh	57.0	12.2	12.2	56.9	14.8	14.8	55.6	50.6	50.7	55.5	0.0	53.8
Incr Delay (d2), s/veh	9.2	1.3	1.2	11.9	3.2	3.2	3.8	0.2	0.2	1.0	0.0	9.0
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	1.3	6.3	6.6	1.7	12.0	12.5	1.2	0.2	0.3	0.6	0.0	3.6
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	66.2	13.5	13.4	68.8	18.0	17.9	59.5	50.8	50.9	56.5	0.0	62.8
LnGrp LOS	E	B	B	E	B	B	E	D	D	E	A	E
Approach Vol, veh/h		993			1503			55			153	
Approach Delay, s/veh		15.5			19.6			56.6			61.0	
Approach LOS		B			B			E			E	

Timer - Assigned Phs	1	2	3	4	5	6	7	8
Phs Duration (G+Y+Rc), s	11.3	80.3	11.7	16.7	10.8	80.8	11.8	16.5
Change Period (Y+Rc), s	6.5	6.5	6.0	6.5	6.5	6.5	6.5	6.5
Max Green Setting (Gmax), s	15.5	15.5	16.0	25.5	15.5	37.5	15.5	25.5
Max Q Clear Time (g_c+I1), s	5.3	19.0	4.5	9.8	4.6	34.0	3.5	2.7
Green Ext Time (p_c), s	0.0	0.0	0.0	0.4	0.0	2.5	0.1	0.0

Intersection Summary	
HCM 6th Ctrl Delay	21.2
HCM 6th LOS	C

Notes

User approved pedestrian interval to be less than phase max green.

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	21	1056	45	245	1371	250	37	36	54	205	56	16
Future Volume (veh/h)	21	1056	45	245	1371	250	37	36	54	205	56	16
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		0.96	1.00		0.98
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No			No			No			No	
Adj Sat Flow, veh/h/ln	1826	1826	1826	1826	1826	1826	1826	1826	1826	1826	1826	1826
Adj Flow Rate, veh/h	24	1200	40	278	1558	227	42	41	50	233	64	12
Peak Hour Factor	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88
Percent Heavy Veh, %	5	5	5	5	5	5	5	5	5	5	5	5
Cap, veh/h	56	2609	939	225	2802	999	281	165	237	291	170	141
Arrive On Green	0.03	0.52	0.52	0.07	0.56	0.56	0.08	0.09	0.09	0.09	0.09	0.09
Sat Flow, veh/h	1739	4985	1547	3374	4985	1540	3374	1826	1480	3374	1826	1515
Grp Volume(v), veh/h	24	1200	40	278	1558	227	42	41	50	233	64	12
Grp Sat Flow(s),veh/h/ln	1739	1662	1547	1687	1662	1540	1687	1826	1480	1687	1826	1515
Q Serve(g_s), s	1.6	18.1	1.3	8.0	23.9	1.8	1.4	2.5	2.4	8.1	4.0	0.9
Cycle Q Clear(g_c), s	1.6	18.1	1.3	8.0	23.9	1.8	1.4	2.5	2.4	8.1	4.0	0.9
Prop In Lane	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Lane Grp Cap(c), veh/h	56	2609	939	225	2802	999	281	165	237	291	170	141
V/C Ratio(X)	0.43	0.46	0.04	1.24	0.56	0.23	0.15	0.25	0.21	0.80	0.38	0.08
Avail Cap(c_a), veh/h	123	2609	939	225	2802	999	281	548	547	365	593	493
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	57.0	17.9	9.5	56.0	16.7	2.1	51.1	50.8	22.3	53.8	51.1	49.7
Incr Delay (d2), s/veh	5.1	0.6	0.1	138.4	0.8	0.5	0.2	0.8	0.4	9.8	1.4	0.3
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	0.8	6.6	0.4	7.6	8.5	1.0	0.6	1.2	1.1	3.8	1.8	0.3
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	62.1	18.5	9.6	194.4	17.5	2.6	51.3	51.6	22.8	63.6	52.5	50.0
LnGrp LOS	E	B	A	F	B	A	D	D	C	E	D	D
Approach Vol, veh/h		1264			2063			133			309	
Approach Delay, s/veh		19.1			39.7			40.6			60.8	
Approach LOS		B			D			D			E	

Timer - Assigned Phs	1	2	3	4	5	6	7	8
Phs Duration (G+Y+Rc), s	10.4	74.5	17.0	18.2	15.0	69.8	17.3	17.8
Change Period (Y+Rc), s	6.5	7.0	7.0	7.0	7.0	* 7	7.0	7.0
Max Green Setting (Gmax), s	8.5	35.0	10.0	39.0	8.0	* 36	13.0	36.0
Max Q Clear Time (g_c+I1), s	3.6	25.9	3.4	6.0	10.0	20.1	10.1	4.5
Green Ext Time (p_c), s	0.0	6.5	0.0	0.3	0.0	7.1	0.2	0.4

Intersection Summary	
HCM 6th Ctrl Delay	34.6
HCM 6th LOS	C

Notes

* HCM 6th computational engine requires equal clearance times for the phases crossing the barrier.

Intersection	
Int Delay, s/veh	0.8

Movement	EBT	EBR	WBL	WBT	NBL	NBR
Lane Configurations						
Traffic Vol, veh/h	280	3	6	196	11	27
Future Vol, veh/h	280	3	6	196	11	27
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Stop	Stop
RT Channelized	-	None	-	None	-	None
Storage Length	-	-	50	-	0	-
Veh in Median Storage, #	0	-	-	0	0	-
Grade, %	0	-	-	0	0	-
Peak Hour Factor	92	92	92	92	92	92
Heavy Vehicles, %	5	5	5	5	5	5
Mvmt Flow	304	3	7	213	12	29

Major/Minor	Major1		Major2		Minor1	
Conflicting Flow All	0	0	307	0	427	154
Stage 1	-	-	-	-	306	-
Stage 2	-	-	-	-	121	-
Critical Hdwy	-	-	4.2	-	6.9	7
Critical Hdwy Stg 1	-	-	-	-	5.9	-
Critical Hdwy Stg 2	-	-	-	-	5.9	-
Follow-up Hdwy	-	-	2.25	-	3.55	3.35
Pot Cap-1 Maneuver	-	-	1229	-	548	855
Stage 1	-	-	-	-	711	-
Stage 2	-	-	-	-	882	-
Platoon blocked, %	-	-		-		
Mov Cap-1 Maneuver	-	-	1229	-	545	855
Mov Cap-2 Maneuver	-	-	-	-	545	-
Stage 1	-	-	-	-	711	-
Stage 2	-	-	-	-	877	-

Approach	EB	WB	NB
HCM Control Delay, s	0	0.2	10.2
HCM LOS			B

Minor Lane/Major Mvmt	NBLn1	EBT	EBR	WBL	WBT
Capacity (veh/h)	734	-	-	1229	-
HCM Lane V/C Ratio	0.056	-	-	0.005	-
HCM Control Delay (s)	10.2	-	-	7.9	-
HCM Lane LOS	B	-	-	A	-
HCM 95th %tile Q(veh)	0.2	-	-	0	-

Intersection	
Int Delay, s/veh	0.2

Movement	EBT	EBR	WBL	WBT	NBL	NBR
Lane Configurations						
Traffic Vol, veh/h	304	3	7	201	1	4
Future Vol, veh/h	304	3	7	201	1	4
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Stop	Stop
RT Channelized	-	None	-	None	-	None
Storage Length	-	-	50	-	0	-
Veh in Median Storage, #	0	-	-	0	0	-
Grade, %	0	-	-	0	0	-
Peak Hour Factor	92	92	92	92	92	92
Heavy Vehicles, %	5	5	5	5	5	5
Mvmt Flow	330	3	8	218	1	4

Major/Minor	Major1		Major2		Minor1	
Conflicting Flow All	0	0	333	0	457	167
Stage 1	-	-	-	-	332	-
Stage 2	-	-	-	-	125	-
Critical Hdwy	-	-	4.2	-	6.9	7
Critical Hdwy Stg 1	-	-	-	-	5.9	-
Critical Hdwy Stg 2	-	-	-	-	5.9	-
Follow-up Hdwy	-	-	2.25	-	3.55	3.35
Pot Cap-1 Maneuver	-	-	1202	-	525	839
Stage 1	-	-	-	-	690	-
Stage 2	-	-	-	-	878	-
Platoon blocked, %	-	-		-		
Mov Cap-1 Maneuver	-	-	1202	-	521	839
Mov Cap-2 Maneuver	-	-	-	-	580	-
Stage 1	-	-	-	-	690	-
Stage 2	-	-	-	-	872	-

Approach	EB	WB	NB
HCM Control Delay, s	0	0.3	9.7
HCM LOS			A

Minor Lane/Major Mvmt	NBLn1	EBT	EBR	WBL	WBT
Capacity (veh/h)	770	-	-	1202	-
HCM Lane V/C Ratio	0.007	-	-	0.006	-
HCM Control Delay (s)	9.7	-	-	8	-
HCM Lane LOS	A	-	-	A	-
HCM 95th %tile Q(veh)	0	-	-	0	-

Intersection	
Int Delay, s/veh	0.7

Movement	EBL	EBT	WBT	WBR	SBL	SBR
Lane Configurations						
Traffic Vol, veh/h	14	133	192	7	5	8
Future Vol, veh/h	14	133	192	7	5	8
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Stop	Stop
RT Channelized	-	None	-	None	-	None
Storage Length	-	-	-	-	0	-
Veh in Median Storage, #	-	0	0	-	0	-
Grade, %	-	0	0	-	0	-
Peak Hour Factor	92	92	92	92	92	92
Heavy Vehicles, %	5	5	5	5	5	5
Mvmt Flow	15	145	209	8	5	9

Major/Minor	Major1		Major2		Minor2	
Conflicting Flow All	217	0	-	0	388	213
Stage 1	-	-	-	-	213	-
Stage 2	-	-	-	-	175	-
Critical Hdwy	4.15	-	-	-	6.45	6.25
Critical Hdwy Stg 1	-	-	-	-	5.45	-
Critical Hdwy Stg 2	-	-	-	-	5.45	-
Follow-up Hdwy	2.245	-	-	-	3.545	3.345
Pot Cap-1 Maneuver	1335	-	-	-	610	820
Stage 1	-	-	-	-	815	-
Stage 2	-	-	-	-	848	-
Platoon blocked, %		-	-	-		
Mov Cap-1 Maneuver	1335	-	-	-	603	820
Mov Cap-2 Maneuver	-	-	-	-	603	-
Stage 1	-	-	-	-	805	-
Stage 2	-	-	-	-	848	-

Approach	EB	WB	SB
HCM Control Delay, s	0.7	0	10.1
HCM LOS			B

Minor Lane/Major Mvmt	EBL	EBT	WBT	WBR	SBLn1
Capacity (veh/h)	1335	-	-	-	720
HCM Lane V/C Ratio	0.011	-	-	-	0.02
HCM Control Delay (s)	7.7	0	-	-	10.1
HCM Lane LOS	A	A	-	-	B
HCM 95th %tile Q(veh)	0	-	-	-	0.1

Intersection	
Int Delay, s/veh	0.5

Movement	EBL	EBT	WBT	WBR	SBL	SBR
Lane Configurations						
Traffic Vol, veh/h	9	129	195	11	6	4
Future Vol, veh/h	9	129	195	11	6	4
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Stop	Stop
RT Channelized	-	None	-	None	-	None
Storage Length	-	-	-	-	0	-
Veh in Median Storage, #	-	0	0	-	0	-
Grade, %	-	0	0	-	0	-
Peak Hour Factor	92	92	92	92	92	92
Heavy Vehicles, %	5	5	5	5	5	5
Mvmt Flow	10	140	212	12	7	4

Major/Minor	Major1		Major2		Minor2	
Conflicting Flow All	224	0	-	0	378	218
Stage 1	-	-	-	-	218	-
Stage 2	-	-	-	-	160	-
Critical Hdwy	4.15	-	-	-	6.45	6.25
Critical Hdwy Stg 1	-	-	-	-	5.45	-
Critical Hdwy Stg 2	-	-	-	-	5.45	-
Follow-up Hdwy	2.245	-	-	-	3.545	3.345
Pot Cap-1 Maneuver	1327	-	-	-	618	814
Stage 1	-	-	-	-	811	-
Stage 2	-	-	-	-	861	-
Platoon blocked, %		-	-	-		
Mov Cap-1 Maneuver	1327	-	-	-	613	814
Mov Cap-2 Maneuver	-	-	-	-	613	-
Stage 1	-	-	-	-	805	-
Stage 2	-	-	-	-	861	-

Approach	EB	WB	SB
HCM Control Delay, s	0.5	0	10.4
HCM LOS			B

Minor Lane/Major Mvmt	EBL	EBT	WBT	WBR	SBLn1
Capacity (veh/h)	1327	-	-	-	680
HCM Lane V/C Ratio	0.007	-	-	-	0.016
HCM Control Delay (s)	7.7	0	-	-	10.4
HCM Lane LOS	A	A	-	-	B
HCM 95th %tile Q(veh)	0	-	-	-	0

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	328	382	58	61	146	717	51	928	241	371	552	281
Future Volume (veh/h)	328	382	58	61	146	717	51	928	241	371	552	281
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		0.98	1.00		0.99	1.00		0.97	1.00		0.98
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No			No			No			No	
Adj Sat Flow, veh/h/ln	1826	1826	1826	1826	1826	1826	1826	1634	1826	1826	1826	1826
Adj Flow Rate, veh/h	331	386	54	62	147	482	52	937	218	375	558	223
Peak Hour Factor	0.99	0.99	0.99	0.99	0.99	0.99	0.99	0.99	0.99	0.99	0.99	0.99
Percent Heavy Veh, %	5	5	5	5	5	5	5	5	5	5	5	5
Cap, veh/h	353	466	65	121	215	977	88	1077	250	816	1702	902
Arrive On Green	0.10	0.15	0.15	0.12	0.20	0.20	0.05	0.30	0.30	0.24	0.49	0.49
Sat Flow, veh/h	3374	3050	423	1739	1826	2703	1739	3597	834	3374	3469	1510
Grp Volume(v), veh/h	331	218	222	62	147	482	52	774	381	375	558	223
Grp Sat Flow(s),veh/h/ln	1687	1735	1738	1739	1826	1351	1739	1487	1457	1687	1735	1510
Q Serve(g_s), s	10.7	13.4	13.6	3.7	8.2	4.2	3.2	27.1	27.3	10.4	10.7	7.7
Cycle Q Clear(g_c), s	10.7	13.4	13.6	3.7	8.2	4.2	3.2	27.1	27.3	10.4	10.7	7.7
Prop In Lane	1.00		0.24	1.00		1.00	1.00		0.57	1.00		1.00
Lane Grp Cap(c), veh/h	353	265	266	121	215	977	88	890	436	816	1702	902
V/C Ratio(X)	0.94	0.82	0.83	0.51	0.68	0.49	0.59	0.87	0.87	0.46	0.33	0.25
Avail Cap(c_a), veh/h	353	307	308	182	324	1138	213	960	470	816	1702	902
HCM Platoon Ratio	1.00	1.00	1.00	1.67	1.67	1.67	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	0.77	0.77	0.77	1.00	1.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	48.9	45.1	45.2	46.9	42.3	9.3	51.1	36.5	36.6	35.6	17.0	10.6
Incr Delay (d2), s/veh	32.4	14.5	15.8	2.6	2.9	0.3	6.2	11.3	20.9	0.4	0.5	0.7
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	6.0	6.7	6.9	1.6	3.6	2.0	1.5	10.7	11.7	4.3	4.3	2.5
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	81.3	59.7	61.1	49.4	45.2	9.6	57.3	47.8	57.4	36.0	17.5	11.2
LnGrp LOS	F	E	E	D	D	A	E	D	E	D	B	B
Approach Vol, veh/h		771			691			1207			1156	
Approach Delay, s/veh		69.4			20.8			51.2			22.3	
Approach LOS		E			C			D			C	

Timer - Assigned Phs	1	2	3	4	5	6	7	8
Phs Duration (G+Y+Rc), s	33.1	39.4	14.1	23.3	12.1	60.5	18.0	19.5
Change Period (Y+Rc), s	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5
Max Green Setting (Gmax), s	17.5	35.5	11.5	19.5	13.5	39.5	11.5	19.5
Max Q Clear Time (g_c+I1), s	12.4	29.3	5.7	15.6	5.2	12.7	12.7	10.2
Green Ext Time (p_c), s	0.6	3.5	0.0	0.9	0.0	4.9	0.0	1.9

Intersection Summary	
HCM 6th Ctrl Delay	40.6
HCM 6th LOS	D

Notes

User approved pedestrian interval to be less than phase max green.

HCM 6th Signalized Intersection Summary Near Term Year 2024 Base with Project Conditions

2: Via Vera Cruz/SR-78 Ramps & Grand Ave

PM Peak Hour

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	511	319	181	76	327	17	221	177	68	225	250	385
Future Volume (veh/h)	511	319	181	76	327	17	221	177	68	225	250	385
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		0.98	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No			No			No			No	
Adj Sat Flow, veh/h/ln	1826	1826	1826	1826	1826	1826	1826	1826	1826	1826	1826	1826
Adj Flow Rate, veh/h	532	332	147	79	341	13	207	216	55	234	260	298
Peak Hour Factor	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96
Percent Heavy Veh, %	5	5	5	5	5	5	5	5	5	5	5	5
Cap, veh/h	627	1206	742	158	877	391	239	251	213	394	176	201
Arrive On Green	0.19	0.35	0.35	0.09	0.25	0.25	0.14	0.14	0.14	0.23	0.23	0.23
Sat Flow, veh/h	3374	3469	1523	1739	3469	1547	1739	1826	1547	1739	776	890
Grp Volume(v), veh/h	532	332	147	79	341	13	207	216	55	234	0	558
Grp Sat Flow(s),veh/h/ln	1687	1735	1523	1739	1735	1547	1739	1826	1547	1739	0	1666
Q Serve(g_s), s	16.8	7.6	6.1	4.8	9.0	0.7	12.8	12.7	3.5	13.2	0.0	24.9
Cycle Q Clear(g_c), s	16.8	7.6	6.1	4.8	9.0	0.7	12.8	12.7	3.5	13.2	0.0	24.9
Prop In Lane	1.00		1.00	1.00		1.00	1.00		1.00	1.00		0.53
Lane Grp Cap(c), veh/h	627	1206	742	158	877	391	239	251	213	394	0	377
V/C Ratio(X)	0.85	0.28	0.20	0.50	0.39	0.03	0.87	0.86	0.26	0.59	0.00	1.48
Avail Cap(c_a), veh/h	1043	1206	742	237	877	391	270	284	241	394	0	377
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	0.66	0.66	0.66	1.00	1.00	1.00	0.87	0.87	0.87	1.00	0.00	1.00
Uniform Delay (d), s/veh	43.3	25.9	16.1	47.6	34.0	31.0	46.4	46.4	42.4	38.0	0.0	42.6
Incr Delay (d2), s/veh	2.4	0.4	0.4	0.9	1.3	0.2	18.3	16.9	0.2	1.7	0.0	229.8
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	6.9	3.1	2.7	2.0	3.8	0.3	6.6	6.8	1.3	5.8	0.0	34.2
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	45.6	26.3	16.5	48.5	35.3	31.1	64.8	63.3	42.6	39.7	0.0	272.3
LnGrp LOS	D	C	B	D	D	C	E	E	D	D	A	F
Approach Vol, veh/h		1011			433			478			792	
Approach Delay, s/veh		35.0			37.6			61.6			203.6	
Approach LOS		D			D			E			F	

Timer - Assigned Phs	1	2		4	5	6		8
Phs Duration (G+Y+Rc), s	14.7	45.0		30.0	25.2	34.6		20.2
Change Period (Y+Rc), s	* 4.7	6.8		5.1	* 4.7	6.8		5.1
Max Green Setting (Gmax), s	* 15	31.3		24.9	* 34	12.3		17.1
Max Q Clear Time (g_c+I1), s	16.8	9.6		26.9	18.8	11.0		14.8
Green Ext Time (p_c), s	0.0	1.4		0.0	1.7	0.2		0.3

Intersection Summary	
HCM 6th Ctrl Delay	89.3
HCM 6th LOS	F

Notes

User approved pedestrian interval to be less than phase max green.

User approved volume balancing among the lanes for turning movement.

* HCM 6th computational engine requires equal clearance times for the phases crossing the barrier.

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	72	252	77	39	96	35	35	302	63	51	306	26
Future Volume (veh/h)	72	252	77	39	96	35	35	302	63	51	306	26
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		0.97
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No			No			No			No	
Adj Sat Flow, veh/h/ln	1826	1826	1826	1826	1826	1826	1826	1826	1826	1826	1826	1826
Adj Flow Rate, veh/h	74	260	69	40	99	31	36	311	60	53	315	22
Peak Hour Factor	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97
Percent Heavy Veh, %	5	5	5	5	5	5	5	5	5	5	5	5
Cap, veh/h	131	351	93	88	598	180	68	519	99	107	660	46
Arrive On Green	0.08	0.25	0.25	0.05	0.23	0.23	0.04	0.18	0.18	0.06	0.20	0.20
Sat Flow, veh/h	1739	1390	369	1739	2626	790	1739	2907	554	1739	3282	228
Grp Volume(v), veh/h	74	0	329	40	64	66	36	184	187	53	166	171
Grp Sat Flow(s),veh/h/ln	1739	0	1759	1739	1735	1681	1739	1735	1726	1739	1735	1775
Q Serve(g_s), s	2.2	0.0	9.0	1.2	1.6	1.7	1.1	5.1	5.2	1.5	4.4	4.5
Cycle Q Clear(g_c), s	2.2	0.0	9.0	1.2	1.6	1.7	1.1	5.1	5.2	1.5	4.4	4.5
Prop In Lane	1.00		0.21	1.00		0.47	1.00		0.32	1.00		0.13
Lane Grp Cap(c), veh/h	131	0	444	88	395	383	68	310	308	107	349	357
V/C Ratio(X)	0.56	0.00	0.74	0.46	0.16	0.17	0.53	0.59	0.61	0.50	0.47	0.48
Avail Cap(c_a), veh/h	828	0	1005	828	991	960	828	1321	1315	828	1321	1352
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	23.4	0.0	18.0	24.2	16.3	16.3	24.8	19.8	19.9	23.9	18.5	18.6
Incr Delay (d2), s/veh	3.8	0.0	2.4	3.6	0.2	0.2	6.4	1.8	1.9	3.5	1.0	1.0
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	1.0	0.0	3.5	0.5	0.5	0.6	0.5	1.9	2.0	0.7	1.6	1.7
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	27.2	0.0	20.5	27.9	16.5	16.5	31.1	21.6	21.8	27.4	19.5	19.6
LnGrp LOS	C	A	C	C	B	B	C	C	C	C	B	B
Approach Vol, veh/h		403			170			407			390	
Approach Delay, s/veh		21.7			19.2			22.6			20.6	
Approach LOS		C			B			C			C	

Timer - Assigned Phs	1	2	3	4	5	6	7	8
Phs Duration (G+Y+Rc), s	9.2	15.4	8.7	19.3	8.0	16.6	10.0	18.0
Change Period (Y+Rc), s	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
Max Green Setting (Gmax), s	25.0	40.0	25.0	30.0	25.0	40.0	25.0	30.0
Max Q Clear Time (g_c+I1), s	3.5	7.2	3.2	11.0	3.1	6.5	4.2	3.7
Green Ext Time (p_c), s	0.1	2.1	0.1	1.9	0.1	1.9	0.2	0.6

Intersection Summary		
HCM 6th Ctrl Delay		21.3
HCM 6th LOS		C

Notes

User approved pedestrian interval to be less than phase max green.

Intersection	
Int Delay, s/veh	6.9

Movement	EBT	EBR	WBL	WBT	NBL	NBR
Lane Configurations						
Traffic Vol, veh/h	624	39	109	372	39	363
Future Vol, veh/h	624	39	109	372	39	363
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Stop	Stop
RT Channelized	-	None	-	None	-	None
Storage Length	-	-	65	-	0	-
Veh in Median Storage, #	0	-	-	0	0	-
Grade, %	0	-	-	0	0	-
Peak Hour Factor	98	98	98	98	98	98
Heavy Vehicles, %	5	5	5	5	5	5
Mvmt Flow	637	40	111	380	40	370

Major/Minor	Major1		Major2		Minor1	
Conflicting Flow All	0	0	677	0	1069	339
Stage 1	-	-	-	-	657	-
Stage 2	-	-	-	-	412	-
Critical Hdwy	-	-	4.2	-	6.9	7
Critical Hdwy Stg 1	-	-	-	-	5.9	-
Critical Hdwy Stg 2	-	-	-	-	5.9	-
Follow-up Hdwy	-	-	2.25	-	3.55	3.35
Pot Cap-1 Maneuver	-	-	891	-	211	648
Stage 1	-	-	-	-	469	-
Stage 2	-	-	-	-	628	-
Platoon blocked, %	-	-		-		
Mov Cap-1 Maneuver	-	-	891	-	185	648
Mov Cap-2 Maneuver	-	-	-	-	315	-
Stage 1	-	-	-	-	469	-
Stage 2	-	-	-	-	550	-

Approach	EB	WB	NB
HCM Control Delay, s	0	2.2	24
HCM LOS			C

Minor Lane/Major Mvmt	NBLn1	EBT	EBR	WBL	WBT
Capacity (veh/h)	588	-	-	891	-
HCM Lane V/C Ratio	0.698	-	-	0.125	-
HCM Control Delay (s)	24	-	-	9.6	-
HCM Lane LOS	C	-	-	A	-
HCM 95th %tile Q(veh)	5.5	-	-	0.4	-

Movement	EBT	EBR	WBL	WBT	NBL	NBR
Lane Configurations						
Traffic Volume (veh/h)	795	191	33	302	177	60
Future Volume (veh/h)	795	191	33	302	177	60
Initial Q (Qb), veh	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)		1.00	1.00		1.00	1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach	No			No	No	
Adj Sat Flow, veh/h/ln	1826	1826	1826	1826	1826	1826
Adj Flow Rate, veh/h	811	175	34	308	181	46
Peak Hour Factor	0.98	0.98	0.98	0.98	0.98	0.98
Percent Heavy Veh, %	5	5	5	5	5	5
Cap, veh/h	1133	245	82	1993	277	246
Arrive On Green	0.40	0.40	0.05	0.57	0.16	0.16
Sat Flow, veh/h	2929	612	1739	3561	1739	1547
Grp Volume(v), veh/h	496	490	34	308	181	46
Grp Sat Flow(s),veh/h/ln	1735	1716	1739	1735	1739	1547
Q Serve(g_s), s	9.7	9.7	0.8	1.7	4.0	1.0
Cycle Q Clear(g_c), s	9.7	9.7	0.8	1.7	4.0	1.0
Prop In Lane		0.36	1.00		1.00	1.00
Lane Grp Cap(c), veh/h	693	685	82	1993	277	246
V/C Ratio(X)	0.72	0.72	0.42	0.15	0.65	0.19
Avail Cap(c_a), veh/h	983	973	257	1993	1072	954
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	10.2	10.2	18.8	4.0	16.0	14.8
Incr Delay (d2), s/veh	1.4	1.5	3.3	0.0	2.6	0.4
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	2.5	2.5	0.3	0.2	1.5	0.3
Unsig. Movement Delay, s/veh						
LnGrp Delay(d),s/veh	11.7	11.7	22.1	4.1	18.6	15.1
LnGrp LOS	B	B	C	A	B	B
Approach Vol, veh/h	986			342	227	
Approach Delay, s/veh	11.7			5.9	17.9	
Approach LOS	B			A	B	

Timer - Assigned Phs	1	2				6	8
Phs Duration (G+Y+Rc), s	7.1	22.0				29.1	11.5
Change Period (Y+Rc), s	* 5.2	5.8				5.8	5.0
Max Green Setting (Gmax), s	* 6	23.0				15.0	25.0
Max Q Clear Time (g_c+I1), s	2.8	11.7				3.7	6.0
Green Ext Time (p_c), s	0.0	4.5				1.3	0.6

Intersection Summary	
HCM 6th Ctrl Delay	11.3
HCM 6th LOS	B

Notes

* HCM 6th computational engine requires equal clearance times for the phases crossing the barrier.

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	65	1290	8	98	1107	146	70	64	74	177	96	60
Future Volume (veh/h)	65	1290	8	98	1107	146	70	64	74	177	96	60
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		0.98	1.00		1.00	1.00		1.00	1.00		0.99
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No			No			No			No	
Adj Sat Flow, veh/h/ln	1826	1826	1826	1826	1826	1826	1826	1826	1826	1826	1826	1826
Adj Flow Rate, veh/h	66	1316	7	100	1130	134	71	65	71	181	98	56
Peak Hour Factor	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98
Percent Heavy Veh, %	5	5	5	5	5	5	5	5	5	5	5	5
Cap, veh/h	84	1353	7	490	1924	228	89	165	147	227	125	71
Arrive On Green	0.05	0.38	0.38	0.28	0.62	0.62	0.05	0.10	0.10	0.07	0.11	0.11
Sat Flow, veh/h	1739	3538	19	1739	3124	370	1739	1735	1543	3374	1087	621
Grp Volume(v), veh/h	66	645	678	100	626	638	71	65	71	181	0	154
Grp Sat Flow(s),veh/h/ln	1739	1735	1822	1739	1735	1759	1739	1735	1543	1687	0	1708
Q Serve(g_s), s	5.6	54.9	54.9	6.6	32.6	32.7	6.1	5.3	6.5	7.9	0.0	13.2
Cycle Q Clear(g_c), s	5.6	54.9	54.9	6.6	32.6	32.7	6.1	5.3	6.5	7.9	0.0	13.2
Prop In Lane	1.00		0.01	1.00		0.21	1.00		1.00	1.00		0.36
Lane Grp Cap(c), veh/h	84	663	697	490	1068	1084	89	165	147	227	0	196
V/C Ratio(X)	0.79	0.97	0.97	0.20	0.59	0.59	0.80	0.39	0.48	0.80	0.00	0.79
Avail Cap(c_a), veh/h	214	665	698	490	1068	1084	162	422	375	304	0	416
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.94	0.00	0.94
Uniform Delay (d), s/veh	70.6	45.6	45.6	41.1	17.3	17.4	70.4	63.8	64.3	68.9	0.0	64.6
Incr Delay (d2), s/veh	15.0	28.9	28.1	0.2	2.4	2.3	14.7	1.5	2.4	9.7	0.0	6.4
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	2.8	28.1	29.4	2.8	12.9	13.2	3.0	2.4	2.7	3.7	0.0	6.0
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	85.6	74.5	73.7	41.3	19.7	19.7	85.1	65.3	66.8	78.6	0.0	71.0
LnGrp LOS	F	E	E	D	B	B	F	E	E	E	A	E
Approach Vol, veh/h		1389			1364			207			335	
Approach Delay, s/veh		74.6			21.3			72.6			75.1	
Approach LOS		E			C			E			E	

Timer - Assigned Phs	1	2	3	4	5	6	7	8
Phs Duration (G+Y+Rc), s	48.8	63.8	13.7	23.7	13.7	98.9	16.6	20.8
Change Period (Y+Rc), s	6.5	6.5	6.0	6.5	6.5	6.5	6.5	6.5
Max Green Setting (Gmax), s	16.5	57.5	14.0	36.5	18.5	35.5	13.5	36.5
Max Q Clear Time (g_c+I1), s	9.6	56.9	8.1	15.2	7.6	34.7	9.9	8.5
Green Ext Time (p_c), s	0.1	0.5	0.1	0.7	0.1	0.5	0.2	0.7

Intersection Summary	
HCM 6th Ctrl Delay	52.5
HCM 6th LOS	D

Notes

User approved pedestrian interval to be less than phase max green.

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	38	1367	134	390	1106	226	138	126	205	570	194	24
Future Volume (veh/h)	38	1367	134	390	1106	226	138	126	205	570	194	24
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		0.96	1.00		0.99
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No			No			No			No	
Adj Sat Flow, veh/h/ln	1826	1826	1826	1826	1826	1826	1826	1826	1826	1826	1826	1826
Adj Flow Rate, veh/h	40	1439	109	411	1164	196	145	133	174	600	204	20
Peak Hour Factor	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
Percent Heavy Veh, %	5	5	5	5	5	5	5	5	5	5	5	5
Cap, veh/h	66	2077	748	393	2468	1070	225	160	309	662	396	331
Arrive On Green	0.04	0.42	0.42	0.12	0.50	0.50	0.07	0.09	0.09	0.20	0.22	0.22
Sat Flow, veh/h	1739	4985	1547	3374	4985	1547	3374	1826	1480	3374	1826	1525
Grp Volume(v), veh/h	40	1439	109	411	1164	196	145	133	174	600	204	20
Grp Sat Flow(s),veh/h/ln	1739	1662	1547	1687	1662	1547	1687	1826	1480	1687	1826	1525
Q Serve(g_s), s	3.4	35.5	3.0	17.5	23.1	1.8	6.3	10.8	0.0	26.1	14.8	1.6
Cycle Q Clear(g_c), s	3.4	35.5	3.0	17.5	23.1	1.8	6.3	10.8	0.0	26.1	14.8	1.6
Prop In Lane	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Lane Grp Cap(c), veh/h	66	2077	748	393	2468	1070	225	160	309	662	396	331
V/C Ratio(X)	0.61	0.69	0.15	1.05	0.47	0.18	0.64	0.83	0.56	0.91	0.51	0.06
Avail Cap(c_a), veh/h	226	2077	748	393	2468	1070	247	170	318	787	463	386
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	71.1	35.9	7.8	66.3	24.9	2.1	68.3	67.4	53.6	58.9	51.8	46.6
Incr Delay (d2), s/veh	8.7	1.9	0.4	58.2	0.6	0.4	4.9	27.1	2.1	12.7	1.0	0.1
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	1.7	14.4	1.4	10.6	9.0	1.0	2.9	6.2	6.1	12.1	6.8	0.6
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	79.8	37.8	8.2	124.5	25.6	2.5	73.2	94.5	55.7	71.7	52.8	46.7
LnGrp LOS	E	D	A	F	C	A	E	F	E	E	D	D
Approach Vol, veh/h		1588			1771			452			824	
Approach Delay, s/veh		36.8			46.0			72.7			66.4	
Approach LOS		D			D			E			E	

Timer - Assigned Phs	1	2	3	4	5	6	7	8
Phs Duration (G+Y+Rc), s	12.2	81.3	17.0	39.5	24.5	69.0	36.4	20.1
Change Period (Y+Rc), s	6.5	7.0	7.0	7.0	7.0	6.5	7.0	7.0
Max Green Setting (Gmax), s	19.5	36.0	11.0	38.0	11.0	62.5	35.0	14.0
Max Q Clear Time (g_c+I1), s	5.4	25.1	8.3	16.8	19.5	37.5	28.1	12.8
Green Ext Time (p_c), s	0.0	5.9	0.1	1.0	0.0	11.4	1.3	0.2

Intersection Summary	
HCM 6th Ctrl Delay	49.1
HCM 6th LOS	D

Notes

User approved pedestrian interval to be less than phase max green.

Intersection	
Int Delay, s/veh	0.3

Movement	EBT	EBR	WBL	WBT	NBL	NBR
Lane Configurations						
Traffic Vol, veh/h	648	9	20	386	4	8
Future Vol, veh/h	648	9	20	386	4	8
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Stop	Stop
RT Channelized	-	None	-	None	-	None
Storage Length	-	-	50	-	0	-
Veh in Median Storage, #	0	-	-	0	0	-
Grade, %	0	-	-	0	0	-
Peak Hour Factor	92	92	92	92	92	92
Heavy Vehicles, %	5	5	5	5	5	5
Mvmt Flow	704	10	22	420	4	9

Major/Minor	Major1		Major2		Minor1	
Conflicting Flow All	0	0	714	0	963	357
Stage 1	-	-	-	-	709	-
Stage 2	-	-	-	-	254	-
Critical Hdwy	-	-	4.2	-	6.9	7
Critical Hdwy Stg 1	-	-	-	-	5.9	-
Critical Hdwy Stg 2	-	-	-	-	5.9	-
Follow-up Hdwy	-	-	2.25	-	3.55	3.35
Pot Cap-1 Maneuver	-	-	862	-	248	631
Stage 1	-	-	-	-	441	-
Stage 2	-	-	-	-	756	-
Platoon blocked, %	-	-		-		
Mov Cap-1 Maneuver	-	-	862	-	242	631
Mov Cap-2 Maneuver	-	-	-	-	242	-
Stage 1	-	-	-	-	441	-
Stage 2	-	-	-	-	736	-

Approach	EB	WB	NB
HCM Control Delay, s	0	0.5	14
HCM LOS			B

Minor Lane/Major Mvmt	NBLn1	EBT	EBR	WBL	WBT
Capacity (veh/h)	411	-	-	862	-
HCM Lane V/C Ratio	0.032	-	-	0.025	-
HCM Control Delay (s)	14	-	-	9.3	-
HCM Lane LOS	B	-	-	A	-
HCM 95th %tile Q(veh)	0.1	-	-	0.1	-

Intersection	
Int Delay, s/veh	0.3

Movement	EBT	EBR	WBL	WBT	NBL	NBR
Lane Configurations						
Traffic Vol, veh/h	652	4	10	401	5	11
Future Vol, veh/h	652	4	10	401	5	11
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Stop	Stop
RT Channelized	-	None	-	None	-	None
Storage Length	-	-	50	-	0	-
Veh in Median Storage, #	0	-	-	0	0	-
Grade, %	0	-	-	0	0	-
Peak Hour Factor	92	92	92	92	92	92
Heavy Vehicles, %	5	5	5	5	5	5
Mvmt Flow	709	4	11	436	5	12

Major/Minor	Major1		Major2		Minor1	
Conflicting Flow All	0	0	713	0	951	357
Stage 1	-	-	-	-	711	-
Stage 2	-	-	-	-	240	-
Critical Hdwy	-	-	4.2	-	6.9	7
Critical Hdwy Stg 1	-	-	-	-	5.9	-
Critical Hdwy Stg 2	-	-	-	-	5.9	-
Follow-up Hdwy	-	-	2.25	-	3.55	3.35
Pot Cap-1 Maneuver	-	-	863	-	253	631
Stage 1	-	-	-	-	440	-
Stage 2	-	-	-	-	768	-
Platoon blocked, %	-	-		-		
Mov Cap-1 Maneuver	-	-	863	-	250	631
Mov Cap-2 Maneuver	-	-	-	-	354	-
Stage 1	-	-	-	-	440	-
Stage 2	-	-	-	-	758	-

Approach	EB	WB	NB
HCM Control Delay, s	0	0.2	12.4
HCM LOS			B

Minor Lane/Major Mvmt	NBLn1	EBT	EBR	WBL	WBT
Capacity (veh/h)	507	-	-	863	-
HCM Lane V/C Ratio	0.034	-	-	0.013	-
HCM Control Delay (s)	12.4	-	-	9.2	-
HCM Lane LOS	B	-	-	A	-
HCM 95th %tile Q(veh)	0.1	-	-	0	-

Intersection	
Int Delay, s/veh	0.9

Movement	EBL	EBT	WBT	WBR	SBL	SBR
Lane Configurations						
Traffic Vol, veh/h	21	388	136	9	10	22
Future Vol, veh/h	21	388	136	9	10	22
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Stop	Stop
RT Channelized	-	None	-	None	-	None
Storage Length	-	-	-	-	0	-
Veh in Median Storage, #	-	0	0	-	0	-
Grade, %	-	0	0	-	0	-
Peak Hour Factor	92	92	92	92	92	92
Heavy Vehicles, %	5	5	5	5	5	5
Mvmt Flow	23	422	148	10	11	24

Major/Minor	Major1		Major2		Minor2	
Conflicting Flow All	158	0	-	0	621	153
Stage 1	-	-	-	-	153	-
Stage 2	-	-	-	-	468	-
Critical Hdwy	4.15	-	-	-	6.45	6.25
Critical Hdwy Stg 1	-	-	-	-	5.45	-
Critical Hdwy Stg 2	-	-	-	-	5.45	-
Follow-up Hdwy	2.245	-	-	-	3.545	3.345
Pot Cap-1 Maneuver	1403	-	-	-	446	885
Stage 1	-	-	-	-	868	-
Stage 2	-	-	-	-	624	-
Platoon blocked, %		-	-	-		
Mov Cap-1 Maneuver	1403	-	-	-	437	885
Mov Cap-2 Maneuver	-	-	-	-	437	-
Stage 1	-	-	-	-	850	-
Stage 2	-	-	-	-	624	-

Approach	EB	WB	SB
HCM Control Delay, s	0.4	0	10.7
HCM LOS			B

Minor Lane/Major Mvmt	EBL	EBT	WBT	WBR	SBLn1
Capacity (veh/h)	1403	-	-	-	670
HCM Lane V/C Ratio	0.016	-	-	-	0.052
HCM Control Delay (s)	7.6	0	-	-	10.7
HCM Lane LOS	A	A	-	-	B
HCM 95th %tile Q(veh)	0.1	-	-	-	0.2

Intersection	
Int Delay, s/veh	0.7

Movement	EBL	EBT	WBT	WBR	SBL	SBR
Lane Configurations						
Traffic Vol, veh/h	13	385	133	15	17	12
Future Vol, veh/h	13	385	133	15	17	12
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Stop	Stop
RT Channelized	-	None	-	None	-	None
Storage Length	-	-	-	-	0	-
Veh in Median Storage, #	-	0	0	-	0	-
Grade, %	-	0	0	-	0	-
Peak Hour Factor	92	92	92	92	92	92
Heavy Vehicles, %	5	5	5	5	5	5
Mvmt Flow	14	418	145	16	18	13

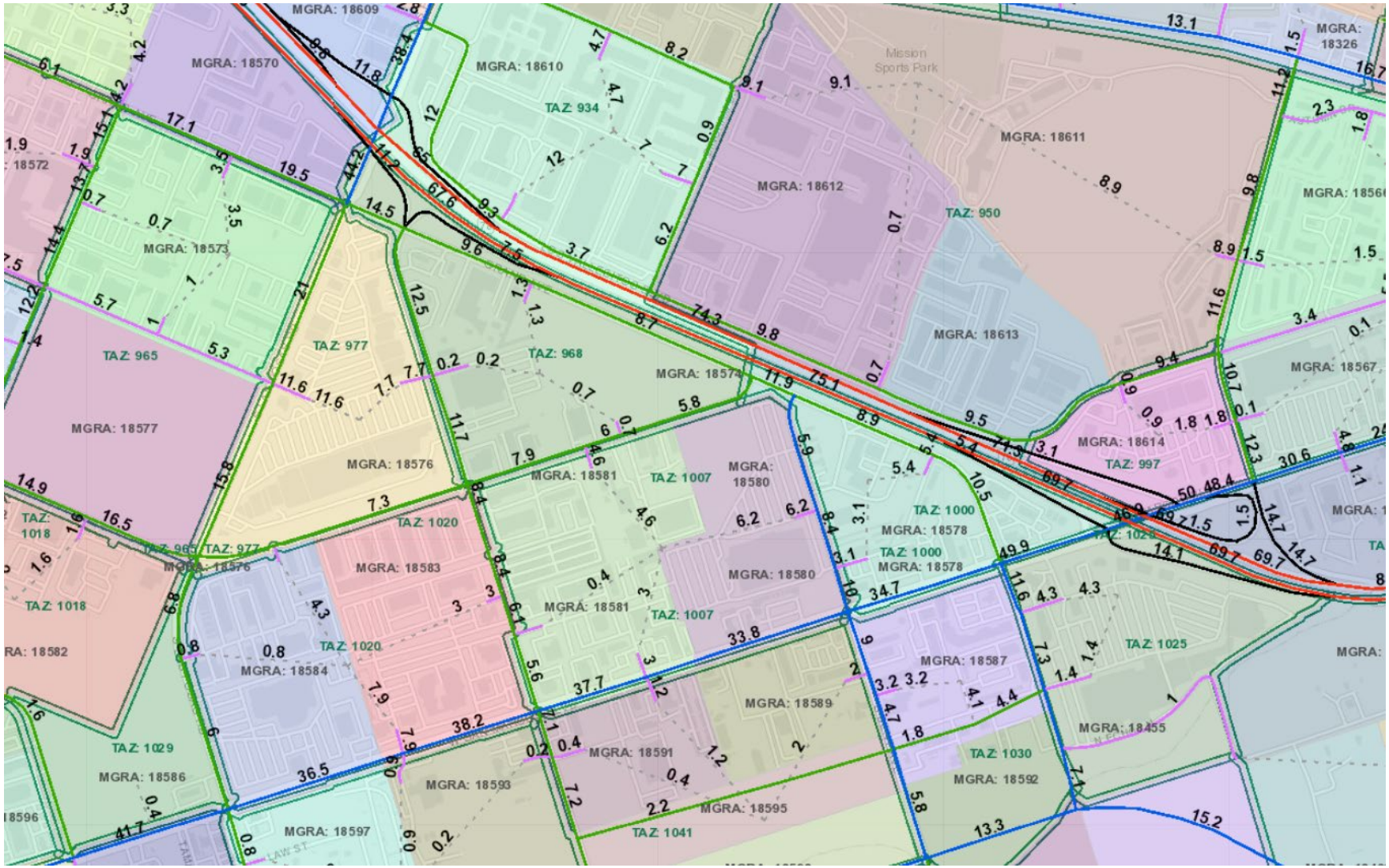
Major/Minor	Major1		Major2		Minor2	
Conflicting Flow All	161	0	-	0	599	153
Stage 1	-	-	-	-	153	-
Stage 2	-	-	-	-	446	-
Critical Hdwy	4.15	-	-	-	6.45	6.25
Critical Hdwy Stg 1	-	-	-	-	5.45	-
Critical Hdwy Stg 2	-	-	-	-	5.45	-
Follow-up Hdwy	2.245	-	-	-	3.545	3.345
Pot Cap-1 Maneuver	1400	-	-	-	460	885
Stage 1	-	-	-	-	868	-
Stage 2	-	-	-	-	639	-
Platoon blocked, %		-	-	-		
Mov Cap-1 Maneuver	1400	-	-	-	454	885
Mov Cap-2 Maneuver	-	-	-	-	454	-
Stage 1	-	-	-	-	857	-
Stage 2	-	-	-	-	639	-

Approach	EB	WB	SB
HCM Control Delay, s	0.2	0	11.7
HCM LOS			B

Minor Lane/Major Mvmt	EBL	EBT	WBT	WBR	SBLn1
Capacity (veh/h)	1400	-	-	-	569
HCM Lane V/C Ratio	0.01	-	-	-	0.055
HCM Control Delay (s)	7.6	0	-	-	11.7
HCM Lane LOS	A	A	-	-	B
HCM 95th %tile Q(veh)	0	-	-	-	0.2

Appendix K - Transportation Forecast Information Center (TFIC) Volumes and Horizon Year 2050 Volume Development

Year 2025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Mission Sports Park
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MGRA: 18573
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TAZ: 977
TAZ: 968
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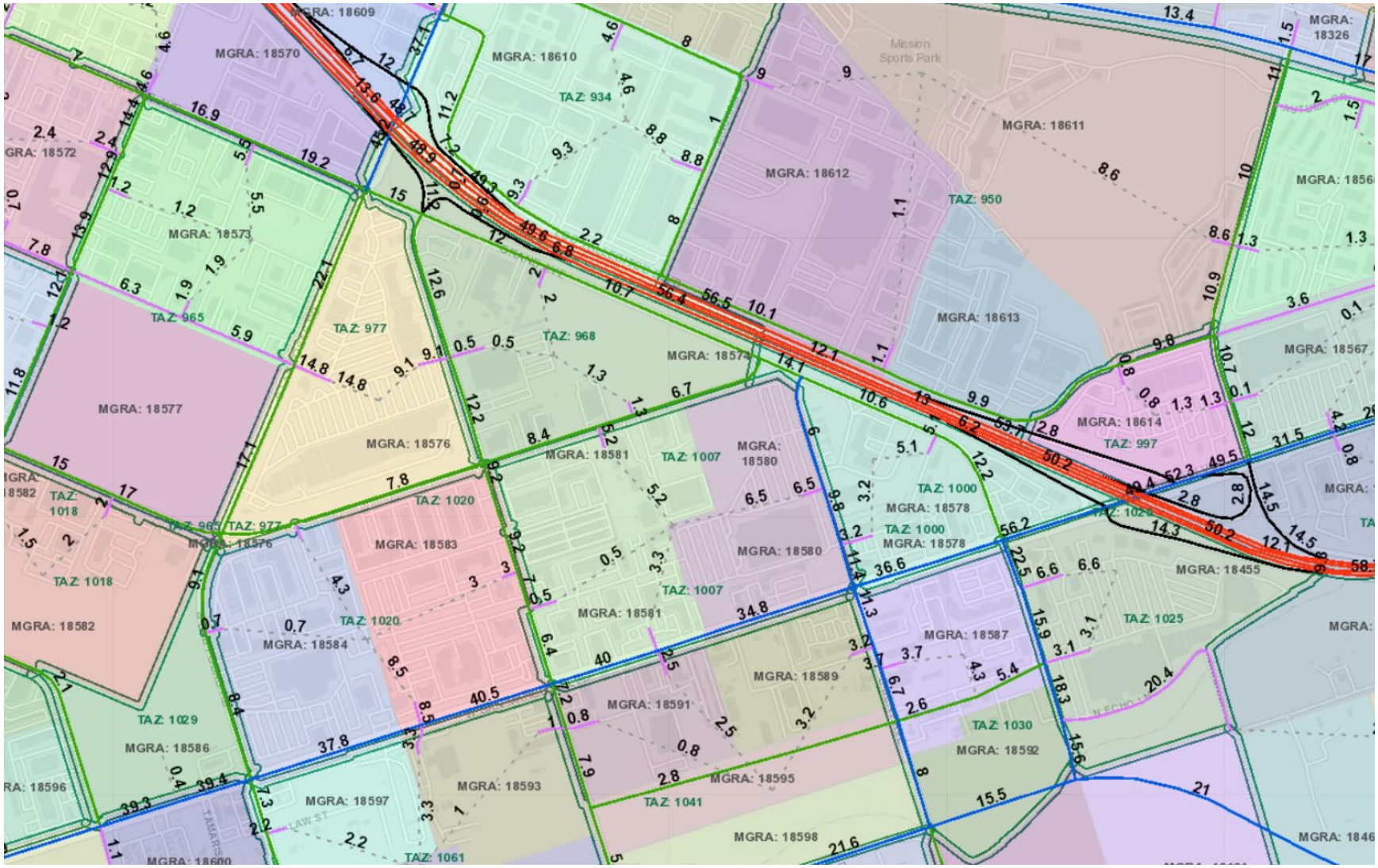
Year 2050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MGRA: 18596
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MGRA: 18567
MGRA: 18326
Mission Sports Park

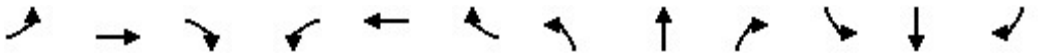
NCHRP Calculations for Intersection Turning Movements - Horizon Year 2024 (AM Peak)

		Existing Movement Volume												Directional volume				Exisitng ADT				Future ADT				Growth (%)				Future Movement											
INTID	Name	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR	N	S	E	W	N Leg	S Leg	E Leg	W Leg	N Leg	S Leg	E Leg	W Leg	N Leg	S Leg	E Leg	W Leg	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
1	S Las Posas Rd & Grand Ave	22	258	95	359	621	453	108	202	14	109	163	368	1433	375	640	324	44200	21000	14500	19500	45000	22100	15000	20000	1.02	1.05	1.03	1.03	29	264	102	368	630	462	111	205	21	117	170	375
2	SR-78 Ramps/Via Vera Cruz & Grand Ave	56	53	13	85	255	427	357	174	130	42	148	9	767	122	199	661	20800	12500	9600	14500	23200	12600	12000	15000	1.12	1.01	1.25	1.03	56	53	13	119	282	455	365	182	145	58	164	27
3	Via Vera Cruz & Linda Vista Drive	21	82	8	10	242	34	19	104	33	11	130	19	286	111	160	156	11700	8400	7900	7300	12200	9200	8400	7800	1.04	1.10	1.06	1.07	25	85	12	14	246	38	22	108	36	14	133	22
4	Grand Ave & Linda Vista Drive	4	0	112	0	0	0	0	254	15	156	186	0	0	116	342	269	0	5800	11900	8700	0	6700	14100	10700	**0.00**	1.16	1.18	1.23	13	0	121	0	0	0	0	285	46	187	219	0
5	Grand Ave & S Bent Ave	92	0	17	0	0	0	0	271	96	21	251	0	0	109	272	367	0	5900	8900	11900	0	6000	10600	14100	**0.00**	1.02	1.19	1.18	93	0	18	0	0	0	0	308	120	45	279	0
6	Via Vera Cruz & W San Marcos Bl	33	4	8	39	37	44	22	851	8	44	1250	61	120	45	1355	881	5600	7100	37700	38200	6400	7200	40000	40500	1.14	1.01	1.06	1.06	33	4	8	45	43	50	41	868	34	70	1277	90
7	Grand Ave & W San Marcos Bl	37	32	54	191	50	16	21	1055	45	245	1364	238	257	123	1847	1121	10500	11600	49900	34700	12200	22500	56200	36600	1.16	**1.94**	1.13	1.05	73	72	93	202	70	27	38	1071	152	354	1423	303

NCHRP Calculations for Intersection Turning Movements - Horizon Year 2024 (PM Peak)

		Existing Movement Volume												Directional volume				Exisitng ADT				Future ADT				Growth (%)				Future Movement											
INTID	Name	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR	N	S	E	W	N Leg	S Leg	E Leg	W Leg	N Leg	S Leg	E Leg	W Leg	N Leg	S Leg	E Leg	W Leg	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
1	S Las Posas Rd & Grand Ave	42	876	236	310	525	260	311	366	52	61	128	611	1095	1154	800	729	44200	21000	14500	19500	45000	22100	15000	20000	1.02	1.05	1.03	1.00	62	896	256	317	532	267	311	366	61	70	137	620
2	SR-78 Ramps/Via Vera Cruz & Grand Ave	206	174	68	222	249	294	459	300	170	76	309	15	765	448	400	929	20800	12500	9600	14500	23200	12600	12000	15000	1.12	1.01	1.25	1.03	207	175	69	256	276	322	470	312	200	108	342	50
3	Via Vera Cruz & Linda Vista Drive	35	295	38	41	303	26	72	237	77	17	84	24	370	368	125	386	11700	8400	7900	7300	12200	9200	8400	7800	1.04	1.10	1.06	1.07	47	307	50	46	308	31	81	246	80	20	87	27
4	Grand Ave & Linda Vista Drive	14	0	344	0	0	0	0	614	20	92	355	0	0	358	447	634	0	5800	11900	8700	0	6700	14100	10700	**0.00**	1.16	1.18	1.23	42	0	371	0	0	0	0	688	61	132	398	0
5	Grand Ave & S Bent Ave	173	0	60	0	0	0	0	771	186	33	273	0	0	233	306	957	0	5900	8900	11900	0	6000	10600	14100	**0.00**	1.02	1.19	1.18	175	0	62	0	0	0	0	866	213	60	304	0
6	Via Vera Cruz & W San Marcos Bl	70	53	74	177	88	43	45	1282	8	98	1104	146	308	197	1348	1335	5600	7100	37700	38200	6400	7200	40000	40500	1.14	1.01	1.06	1.06	71	54	75	192	102	58	74	1309	34	124	1131	175
7	Grand Ave & W San Marcos Bl	138	118	205	553	187	24	38	1359	134	390	1103	206	764	461	1699	1531	10500	11600	49900	34700	12200	22500	56200	36600	1.16	**1.94**	1.13	1.05	275	269	351	587	245	56	61	1381	232	490	1157	266

Appendix L - LOS Calculation Worksheets Horizon Year 2050 Conditions



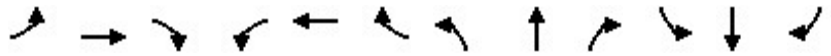
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	125	210	25	120	175	400	30	285	105	415	665	470
Future Volume (veh/h)	125	210	25	120	175	400	30	285	105	415	665	470
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		0.98	1.00		1.00	1.00		0.97	1.00		0.98
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No			No			No			No	
Adj Sat Flow, veh/h/ln	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870
Adj Flow Rate, veh/h	132	221	24	126	184	295	32	300	100	437	700	390
Peak Hour Factor	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	244	358	38	152	235	1682	67	459	143	1650	1990	981
Arrive On Green	0.07	0.11	0.11	0.09	0.13	0.13	0.04	0.12	0.12	0.48	0.56	0.56
Sat Flow, veh/h	3456	3231	347	1781	1870	2790	1781	3827	1195	3456	3554	1551
Grp Volume(v), veh/h	132	120	125	126	184	295	32	265	135	437	700	390
Grp Sat Flow(s),veh/h/ln	1728	1777	1801	1781	1870	1395	1781	1702	1618	1728	1777	1551
Q Serve(g_s), s	4.7	8.1	8.3	8.8	12.0	1.8	2.2	9.3	10.1	9.5	13.6	15.6
Cycle Q Clear(g_c), s	4.7	8.1	8.3	8.8	12.0	1.8	2.2	9.3	10.1	9.5	13.6	15.6
Prop In Lane	1.00		0.19	1.00		1.00	1.00		0.74	1.00		1.00
Lane Grp Cap(c), veh/h	244	197	199	152	235	1682	67	408	194	1650	1990	981
V/C Ratio(X)	0.54	0.61	0.62	0.83	0.78	0.18	0.48	0.65	0.70	0.26	0.35	0.40
Avail Cap(c_a), veh/h	439	395	400	226	416	1952	226	973	462	1650	1990	981
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	0.97	0.97	0.97	1.00	1.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	56.6	53.4	53.5	56.7	53.5	3.1	59.4	52.9	53.2	19.7	15.2	11.5
Incr Delay (d2), s/veh	1.9	3.1	3.2	14.3	5.5	0.0	5.3	7.7	18.8	0.1	0.5	1.2
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	2.1	3.8	3.9	4.5	5.9	0.7	1.1	4.3	5.0	3.9	5.6	5.2
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	58.4	56.5	56.7	71.0	59.0	3.2	64.7	60.6	72.1	19.8	15.7	12.7
LnGrp LOS	E	E	E	E	E	A	E	E	E	B	B	B
Approach Vol, veh/h		377			605			432			1527	
Approach Delay, s/veh		57.2			34.3			64.5			16.1	
Approach LOS		E			C			E			B	

Timer - Assigned Phs	1	2	3	4	5	6	7	8
Phs Duration (G+Y+Rc), s	66.7	21.6	17.3	20.5	11.2	77.1	15.4	22.3
Change Period (Y+Rc), s	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5
Max Green Setting (Gmax), s	20.0	36.0	16.0	28.0	16.0	40.0	16.0	28.0
Max Q Clear Time (g_c+I1), s	11.5	12.1	10.8	10.3	4.2	17.6	6.7	14.0
Green Ext Time (p_c), s	1.1	2.3	0.1	1.1	0.0	6.7	0.2	1.8

Intersection Summary	
HCM 6th Ctrl Delay	32.2
HCM 6th LOS	C

Notes

User approved pedestrian interval to be less than phase max green.



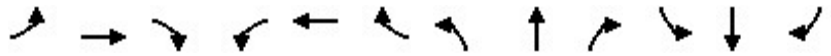
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	415	190	145	60	170	30	60	55	15	120	285	470
Future Volume (veh/h)	415	190	145	60	170	30	60	55	15	120	285	470
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No			No			No			No	
Adj Sat Flow, veh/h/ln	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870
Adj Flow Rate, veh/h	437	200	121	63	179	31	60	61	14	126	300	369
Peak Hour Factor	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	415	767	512	162	663	296	191	201	170	657	282	346
Arrive On Green	0.12	0.22	0.22	0.09	0.19	0.19	0.11	0.11	0.11	0.37	0.37	0.37
Sat Flow, veh/h	3456	3554	1585	1781	3554	1585	1781	1870	1585	1781	763	938
Grp Volume(v), veh/h	437	200	121	63	179	31	60	61	14	126	0	669
Grp Sat Flow(s),veh/h/ln	1728	1777	1585	1781	1777	1585	1781	1870	1585	1781	0	1701
Q Serve(g_s), s	12.0	4.7	5.6	3.3	4.3	1.6	3.1	3.0	0.8	4.8	0.0	36.9
Cycle Q Clear(g_c), s	12.0	4.7	5.6	3.3	4.3	1.6	3.1	3.0	0.8	4.8	0.0	36.9
Prop In Lane	1.00		1.00	1.00		1.00	1.00		1.00	1.00		0.55
Lane Grp Cap(c), veh/h	415	767	512	162	663	296	191	201	170	657	0	628
V/C Ratio(X)	1.05	0.26	0.24	0.39	0.27	0.10	0.31	0.30	0.08	0.19	0.00	1.07
Avail Cap(c_a), veh/h	415	767	512	267	663	296	271	284	241	657	0	628
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	0.78	0.78	0.78	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00
Uniform Delay (d), s/veh	44.0	32.6	24.8	42.8	34.8	33.7	41.2	41.2	40.2	21.4	0.0	31.6
Incr Delay (d2), s/veh	54.0	0.6	0.8	0.6	1.0	0.7	0.3	0.3	0.1	0.1	0.0	54.7
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	8.0	2.0	2.5	1.4	1.9	0.7	1.3	1.4	0.3	2.0	0.0	24.1
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	98.0	33.2	25.6	43.4	35.8	34.5	41.6	41.5	40.3	21.5	0.0	86.2
LnGrp LOS	F	C	C	D	D	C	D	D	D	C	A	F
Approach Vol, veh/h		758			273			135			795	
Approach Delay, s/veh		69.3			37.4			41.4			75.9	
Approach LOS		E			D			D			E	

Timer - Assigned Phs	1	2		4	5	6		8
Phs Duration (G+Y+Rc), s	13.8	28.4		42.0	16.7	25.5		15.8
Change Period (Y+Rc), s	* 4.7	6.8		5.1	* 4.7	6.8		5.1
Max Green Setting (Gmax), s	* 15	11.2		36.9	* 12	14.2		15.2
Max Q Clear Time (g_c+I1), s	15.3	7.6		38.9	14.0	6.3		5.1
Green Ext Time (p_c), s	0.0	0.3		0.0	0.0	0.4		0.2

Intersection Summary	
HCM 6th Ctrl Delay	65.7
HCM 6th LOS	E

Notes

User approved pedestrian interval to be less than phase max green.
User approved volume balancing among the lanes for turning movement.
* HCM 6th computational engine requires equal clearance times for the phases crossing the barrier.



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	30	110	40	15	135	25	25	90	15	15	250	50
Future Volume (veh/h)	30	110	40	15	135	25	25	90	15	15	250	50
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		0.99	1.00		1.00	1.00		1.00	1.00		0.98
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No			No			No			No	
Adj Sat Flow, veh/h/ln	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870
Adj Flow Rate, veh/h	32	116	39	16	142	24	26	95	15	16	263	49
Peak Hour Factor	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	80	249	84	43	508	84	56	560	87	43	522	96
Arrive On Green	0.04	0.19	0.19	0.02	0.17	0.17	0.03	0.18	0.18	0.02	0.17	0.17
Sat Flow, veh/h	1781	1334	449	1781	3051	506	1781	3084	477	1781	2990	548
Grp Volume(v), veh/h	32	0	155	16	82	84	26	54	56	16	155	157
Grp Sat Flow(s),veh/h/ln	1781	0	1783	1781	1777	1779	1781	1777	1785	1781	1777	1761
Q Serve(g_s), s	0.7	0.0	3.2	0.4	1.7	1.7	0.6	1.1	1.1	0.4	3.2	3.3
Cycle Q Clear(g_c), s	0.7	0.0	3.2	0.4	1.7	1.7	0.6	1.1	1.1	0.4	3.2	3.3
Prop In Lane	1.00		0.25	1.00		0.28	1.00		0.27	1.00		0.31
Lane Grp Cap(c), veh/h	80	0	333	43	296	296	56	323	324	43	310	308
V/C Ratio(X)	0.40	0.00	0.47	0.37	0.28	0.29	0.47	0.17	0.17	0.37	0.50	0.51
Avail Cap(c_a), veh/h	1082	0	1299	1082	1295	1297	1082	1726	1734	1082	1726	1711
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	19.1	0.0	14.9	19.8	15.0	15.0	19.6	14.2	14.2	19.8	15.4	15.4
Incr Delay (d2), s/veh	3.2	0.0	1.0	5.1	0.5	0.5	6.0	0.2	0.3	5.1	1.2	1.3
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	0.3	0.0	1.2	0.2	0.6	0.6	0.3	0.4	0.4	0.2	1.1	1.2
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	22.4	0.0	15.9	24.9	15.5	15.5	25.6	14.5	14.5	24.9	16.6	16.7
LnGrp LOS	C	A	B	C	B	B	C	B	B	C	B	B
Approach Vol, veh/h		187			182			136			328	
Approach Delay, s/veh		17.0			16.3			16.6			17.1	
Approach LOS		B			B			B			B	

Timer - Assigned Phs	1	2	3	4	5	6	7	8
Phs Duration (G+Y+Rc), s	7.0	13.5	7.0	13.7	7.3	13.2	7.8	12.9
Change Period (Y+Rc), s	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
Max Green Setting (Gmax), s	25.0	40.0	25.0	30.0	25.0	40.0	25.0	30.0
Max Q Clear Time (g_c+I1), s	2.4	3.1	2.4	5.2	2.6	5.3	2.7	3.7
Green Ext Time (p_c), s	0.0	0.6	0.0	0.8	0.0	1.8	0.0	0.8

Intersection Summary	
HCM 6th Ctrl Delay	16.8
HCM 6th LOS	B

Notes

User approved pedestrian interval to be less than phase max green.

Intersection	
Int Delay, s/veh	3.6

Movement	EBT	EBR	WBL	WBT	NBL	NBR
Lane Configurations						
Traffic Vol, veh/h	290	50	190	220	15	125
Future Vol, veh/h	290	50	190	220	15	125
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Stop	Stop
RT Channelized	-	None	-	None	-	None
Storage Length	-	-	65	-	0	-
Veh in Median Storage, #	0	-	-	0	0	-
Grade, %	0	-	-	0	0	-
Peak Hour Factor	95	95	95	95	95	95
Heavy Vehicles, %	2	2	2	2	2	2
Mvmt Flow	305	53	200	232	16	132

Major/Minor	Major1		Major2		Minor1	
Conflicting Flow All	0	0	358	0	848	179
Stage 1	-	-	-	-	332	-
Stage 2	-	-	-	-	516	-
Critical Hdwy	-	-	4.14	-	6.84	6.94
Critical Hdwy Stg 1	-	-	-	-	5.84	-
Critical Hdwy Stg 2	-	-	-	-	5.84	-
Follow-up Hdwy	-	-	2.22	-	3.52	3.32
Pot Cap-1 Maneuver	-	-	1197	-	300	833
Stage 1	-	-	-	-	699	-
Stage 2	-	-	-	-	564	-
Platoon blocked, %	-	-		-		
Mov Cap-1 Maneuver	-	-	1197	-	250	833
Mov Cap-2 Maneuver	-	-	-	-	363	-
Stage 1	-	-	-	-	699	-
Stage 2	-	-	-	-	470	-

Approach	EB	WB	NB
HCM Control Delay, s	0	4	11.2
HCM LOS			B

Minor Lane/Major Mvmt	NBLn1	EBT	EBR	WBL	WBT
Capacity (veh/h)	732	-	-	1197	-
HCM Lane V/C Ratio	0.201	-	-	0.167	-
HCM Control Delay (s)	11.2	-	-	8.6	-
HCM Lane LOS	B	-	-	A	-
HCM 95th %tile Q(veh)	0.7	-	-	0.6	-

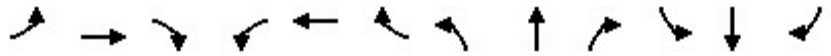
Movement	EBT	EBR	WBL	WBT	NBL	NBR
Lane Configurations						
Traffic Volume (veh/h)	310	120	45	280	95	20
Future Volume (veh/h)	310	120	45	280	95	20
Initial Q (Qb), veh	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)		1.00	1.00		1.00	1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach	No			No	No	
Adj Sat Flow, veh/h/ln	1870	1870	1870	1870	1870	1870
Adj Flow Rate, veh/h	326	115	47	295	100	16
Peak Hour Factor	0.95	0.95	0.95	0.95	0.95	0.95
Percent Heavy Veh, %	2	2	2	2	2	2
Cap, veh/h	1013	351	110	2092	231	205
Arrive On Green	0.39	0.39	0.06	0.59	0.13	0.13
Sat Flow, veh/h	2682	897	1781	3647	1781	1585
Grp Volume(v), veh/h	222	219	47	295	100	16
Grp Sat Flow(s),veh/h/ln	1777	1709	1781	1777	1781	1585
Q Serve(g_s), s	3.3	3.4	1.0	1.4	2.0	0.3
Cycle Q Clear(g_c), s	3.3	3.4	1.0	1.4	2.0	0.3
Prop In Lane		0.52	1.00		1.00	1.00
Lane Grp Cap(c), veh/h	695	669	110	2092	231	205
V/C Ratio(X)	0.32	0.33	0.43	0.14	0.43	0.08
Avail Cap(c_a), veh/h	1066	1026	279	2092	1162	1034
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	8.1	8.1	17.3	3.5	15.4	14.7
Incr Delay (d2), s/veh	0.3	0.3	2.6	0.0	1.3	0.2
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	0.8	0.8	0.4	0.1	0.7	0.1
Unsig. Movement Delay, s/veh						
LnGrp Delay(d),s/veh	8.4	8.4	20.0	3.6	16.7	14.8
LnGrp LOS	A	A	B	A	B	B
Approach Vol, veh/h	441			342	116	
Approach Delay, s/veh	8.4			5.8	16.4	
Approach LOS	A			A	B	

Timer - Assigned Phs	1	2				6	8
Phs Duration (G+Y+Rc), s	7.6	20.8				28.4	10.0
Change Period (Y+Rc), s	* 5.2	5.8				5.8	5.0
Max Green Setting (Gmax), s	* 6	23.0				15.0	25.0
Max Q Clear Time (g_c+I1), s	3.0	5.4				3.4	4.0
Green Ext Time (p_c), s	0.0	2.2				1.2	0.3

Intersection Summary	
HCM 6th Ctrl Delay	8.5
HCM 6th LOS	A

Notes

* HCM 6th computational engine requires equal clearance times for the phases crossing the barrier.



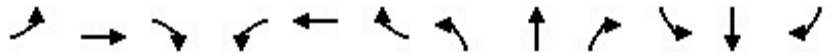
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	45	870	35	75	1280	95	35	5	10	45	45	50
Future Volume (veh/h)	45	870	35	75	1280	95	35	5	10	45	45	50
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		0.98	1.00		0.99	1.00		0.98	1.00		0.98
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No			No			No			No	
Adj Sat Flow, veh/h/ln	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870
Adj Flow Rate, veh/h	47	916	36	79	1347	89	37	5	10	47	47	48
Peak Hour Factor	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	70	2122	83	101	2118	140	84	126	111	160	62	64
Arrive On Green	0.04	0.61	0.61	0.06	0.63	0.63	0.05	0.07	0.07	0.05	0.07	0.07
Sat Flow, veh/h	1781	3482	137	1781	3381	223	1781	1777	1561	3456	841	859
Grp Volume(v), veh/h	47	467	485	79	706	730	37	5	10	47	0	95
Grp Sat Flow(s),veh/h/ln	1781	1777	1842	1781	1777	1826	1781	1777	1561	1728	0	1700
Q Serve(g_s), s	3.1	16.7	16.7	5.3	29.6	29.8	2.4	0.3	0.7	1.6	0.0	6.6
Cycle Q Clear(g_c), s	3.1	16.7	16.7	5.3	29.6	29.8	2.4	0.3	0.7	1.6	0.0	6.6
Prop In Lane	1.00		0.07	1.00		0.12	1.00		1.00	1.00		0.51
Lane Grp Cap(c), veh/h	70	1083	1123	101	1113	1145	84	126	111	160	0	126
V/C Ratio(X)	0.67	0.43	0.43	0.78	0.63	0.64	0.44	0.04	0.09	0.29	0.00	0.75
Avail Cap(c_a), veh/h	230	1083	1123	230	1113	1145	238	378	332	446	0	361
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.99	0.00	0.99
Uniform Delay (d), s/veh	56.8	12.4	12.4	55.9	13.9	13.9	55.6	51.9	52.1	55.3	0.0	54.5
Incr Delay (d2), s/veh	10.3	1.3	1.2	12.2	2.8	2.7	3.6	0.1	0.3	1.0	0.0	8.7
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	1.6	6.4	6.6	2.6	11.3	11.6	1.2	0.1	0.3	0.7	0.0	3.1
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	67.2	13.7	13.6	68.1	16.6	16.6	59.2	52.1	52.5	56.3	0.0	63.2
LnGrp LOS	E	B	B	E	B	B	E	D	D	E	A	E
Approach Vol, veh/h		999			1515			52			142	
Approach Delay, s/veh		16.2			19.3			57.2			60.9	
Approach LOS		B			B			E			E	

Timer - Assigned Phs	1	2	3	4	5	6	7	8
Phs Duration (G+Y+Rc), s	13.3	79.6	11.7	15.4	11.2	81.7	12.0	15.0
Change Period (Y+Rc), s	6.5	6.5	6.0	6.5	6.5	6.5	6.5	6.5
Max Green Setting (Gmax), s	15.5	15.5	16.0	25.5	15.5	37.5	15.5	25.5
Max Q Clear Time (g_c+I1), s	7.3	18.7	4.4	8.6	5.1	31.8	3.6	2.7
Green Ext Time (p_c), s	0.1	0.0	0.0	0.4	0.0	3.9	0.1	0.0

Intersection Summary	
HCM 6th Ctrl Delay	21.1
HCM 6th LOS	C

Notes

User approved pedestrian interval to be less than phase max green.



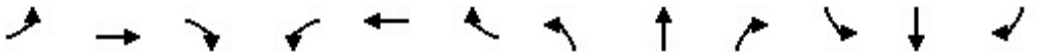
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	40	1075	155	355	1425	305	75	75	95	205	70	30
Future Volume (veh/h)	40	1075	155	355	1425	305	75	75	95	205	70	30
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		0.96	1.00		0.98
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No			No			No			No	
Adj Sat Flow, veh/h/ln	1870	1870	1870	1826	1870	1870	1870	1870	1826	1870	1870	1870
Adj Flow Rate, veh/h	42	1132	152	374	1500	268	79	79	89	216	74	27
Peak Hour Factor	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
Percent Heavy Veh, %	2	2	2	5	2	2	2	2	5	2	2	2
Cap, veh/h	78	2570	930	309	2835	1005	288	169	276	281	165	137
Arrive On Green	0.04	0.50	0.50	0.09	0.56	0.56	0.08	0.09	0.09	0.08	0.09	0.09
Sat Flow, veh/h	1781	5106	1585	3374	5106	1577	3456	1870	1480	3456	1870	1552
Grp Volume(v), veh/h	42	1132	152	374	1500	268	79	79	89	216	74	27
Grp Sat Flow(s),veh/h/ln	1781	1702	1585	1687	1702	1577	1728	1870	1480	1728	1870	1552
Q Serve(g_s), s	2.8	17.0	5.3	11.0	22.2	2.4	2.6	4.8	4.3	7.4	4.5	1.9
Cycle Q Clear(g_c), s	2.8	17.0	5.3	11.0	22.2	2.4	2.6	4.8	4.3	7.4	4.5	1.9
Prop In Lane	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Lane Grp Cap(c), veh/h	78	2570	930	309	2835	1005	288	169	276	281	165	137
V/C Ratio(X)	0.54	0.44	0.16	1.21	0.53	0.27	0.27	0.47	0.32	0.77	0.45	0.20
Avail Cap(c_a), veh/h	126	2570	930	309	2835	1005	288	499	536	461	592	491
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	56.2	19.0	11.3	54.5	16.8	2.3	51.6	51.8	21.4	54.0	51.9	50.7
Incr Delay (d2), s/veh	5.6	0.6	0.4	120.5	0.7	0.7	0.5	2.0	0.7	4.4	1.9	0.7
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	1.3	6.4	1.9	9.7	8.2	1.3	1.1	2.4	1.9	3.3	2.2	0.8
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	61.8	19.6	11.7	175.0	17.5	2.9	52.1	53.8	22.0	58.5	53.8	51.4
LnGrp LOS	E	B	B	F	B	A	D	D	C	E	D	D
Approach Vol, veh/h		1326			2142			247			317	
Approach Delay, s/veh		20.0			43.2			41.8			56.8	
Approach LOS		C			D			D			E	

Timer - Assigned Phs	1	2	3	4	5	6	7	8
Phs Duration (G+Y+Rc), s	11.8	73.6	17.0	17.6	18.0	67.4	16.7	17.9
Change Period (Y+Rc), s	6.5	7.0	7.0	7.0	7.0	* 7	7.0	7.0
Max Green Setting (Gmax), s	8.5	36.0	10.0	38.0	11.0	* 34	16.0	32.0
Max Q Clear Time (g_c+I1), s	4.8	24.2	4.6	6.5	13.0	19.0	9.4	6.8
Green Ext Time (p_c), s	0.0	7.8	0.1	0.4	0.0	6.7	0.4	0.7

Intersection Summary	
HCM 6th Ctrl Delay	36.6
HCM 6th LOS	D

Notes

* HCM 6th computational engine requires equal clearance times for the phases crossing the barrier.



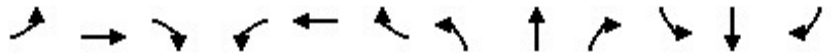
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	325	375	65	75	140	670	65	920	260	345	560	280
Future Volume (veh/h)	325	375	65	75	140	670	65	920	260	345	560	280
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		0.98	1.00		0.99	1.00		0.97	1.00		0.98
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No			No			No			No	
Adj Sat Flow, veh/h/ln	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870
Adj Flow Rate, veh/h	342	395	63	79	147	452	68	968	248	363	589	232
Peak Hour Factor	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	361	475	75	133	234	1029	99	1165	298	846	1700	906
Arrive On Green	0.10	0.15	0.15	0.02	0.04	0.04	0.06	0.29	0.29	0.24	0.48	0.48
Sat Flow, veh/h	3456	3063	484	1781	1870	2770	1781	4027	1029	3456	3554	1546
Grp Volume(v), veh/h	342	228	230	79	147	452	68	818	398	363	589	232
Grp Sat Flow(s),veh/h/ln	1728	1777	1770	1781	1870	1385	1781	1702	1652	1728	1777	1546
Q Serve(g_s), s	10.8	13.7	13.9	4.8	8.5	3.4	4.1	24.7	24.8	9.8	11.4	8.1
Cycle Q Clear(g_c), s	10.8	13.7	13.9	4.8	8.5	3.4	4.1	24.7	24.8	9.8	11.4	8.1
Prop In Lane	1.00		0.27	1.00		1.00	1.00		0.62	1.00		1.00
Lane Grp Cap(c), veh/h	361	275	274	133	234	1029	99	985	478	846	1700	906
V/C Ratio(X)	0.95	0.83	0.84	0.60	0.63	0.44	0.69	0.83	0.83	0.43	0.35	0.26
Avail Cap(c_a), veh/h	361	315	314	186	332	1174	219	1099	533	846	1700	906
HCM Platoon Ratio	1.00	1.00	1.00	0.33	0.33	0.33	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	0.80	0.80	0.80	1.00	1.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	48.9	45.0	45.1	52.0	50.2	10.8	51.0	36.6	36.6	35.0	17.9	11.3
Incr Delay (d2), s/veh	33.7	14.8	16.3	3.4	2.2	0.2	8.1	8.1	15.6	0.3	0.6	0.7
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	6.2	7.0	7.2	2.3	4.2	2.2	2.0	10.9	11.6	4.1	4.7	2.7
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	82.6	59.9	61.5	55.4	52.5	11.0	59.1	44.7	52.2	35.4	18.5	11.9
LnGrp LOS	F	E	E	E	D	B	E	D	D	D	B	B
Approach Vol, veh/h		800			678			1284			1184	
Approach Delay, s/veh		70.1			25.2			47.8			22.4	
Approach LOS		E			C			D			C	

Timer - Assigned Phs	1	2	3	4	5	6	7	8
Phs Duration (G+Y+Rc), s	33.4	38.3	14.7	23.5	12.6	59.1	18.0	20.2
Change Period (Y+Rc), s	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5
Max Green Setting (Gmax), s	17.5	35.5	11.5	19.5	13.5	39.5	11.5	19.5
Max Q Clear Time (g_c+I1), s	11.8	26.8	6.8	15.9	6.1	13.4	12.8	10.5
Green Ext Time (p_c), s	0.7	4.7	0.1	0.9	0.1	5.2	0.0	1.8

Intersection Summary	
HCM 6th Ctrl Delay	40.8
HCM 6th LOS	D

Notes

User approved pedestrian interval to be less than phase max green.



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	505	315	200	110	345	55	210	180	70	260	280	360
Future Volume (veh/h)	505	315	200	110	345	55	210	180	70	260	280	360
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		0.98	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No			No			No			No	
Adj Sat Flow, veh/h/ln	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870
Adj Flow Rate, veh/h	532	332	169	116	363	53	205	211	58	274	295	274
Peak Hour Factor	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	630	1256	765	173	953	425	240	252	214	387	194	180
Arrive On Green	0.18	0.35	0.35	0.10	0.27	0.27	0.13	0.13	0.13	0.22	0.22	0.22
Sat Flow, veh/h	3456	3554	1560	1781	3554	1585	1781	1870	1585	1781	892	829
Grp Volume(v), veh/h	532	332	169	116	363	53	205	211	58	274	0	569
Grp Sat Flow(s),veh/h/ln	1728	1777	1560	1781	1777	1585	1781	1870	1585	1781	0	1721
Q Serve(g_s), s	16.4	7.3	6.8	6.9	9.2	2.8	12.4	12.1	3.6	15.7	0.0	23.9
Cycle Q Clear(g_c), s	16.4	7.3	6.8	6.9	9.2	2.8	12.4	12.1	3.6	15.7	0.0	23.9
Prop In Lane	1.00		1.00	1.00		1.00	1.00		1.00	1.00		0.48
Lane Grp Cap(c), veh/h	630	1256	765	173	953	425	240	252	214	387	0	374
V/C Ratio(X)	0.84	0.26	0.22	0.67	0.38	0.12	0.85	0.84	0.27	0.71	0.00	1.52
Avail Cap(c_a), veh/h	1068	1256	765	243	953	425	293	308	261	387	0	374
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	0.68	0.68	0.68	1.00	1.00	1.00	0.90	0.90	0.90	1.00	0.00	1.00
Uniform Delay (d), s/veh	43.5	25.4	16.1	48.0	32.8	30.5	46.5	46.4	42.7	39.8	0.0	43.1
Incr Delay (d2), s/veh	2.2	0.3	0.5	1.7	1.2	0.6	14.4	11.9	0.2	5.0	0.0	248.0
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	6.9	3.0	3.2	3.1	3.9	1.1	6.3	6.3	1.4	7.3	0.0	35.8
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	45.7	25.7	16.6	49.6	34.0	31.1	60.9	58.3	43.0	44.8	0.0	291.0
LnGrp LOS	D	C	B	D	C	C	E	E	D	D	A	F
Approach Vol, veh/h		1033			532			474			843	
Approach Delay, s/veh		34.5			37.1			57.6			211.0	
Approach LOS		C			D			E			F	

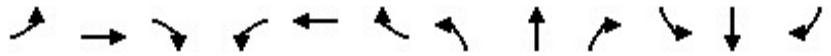
Timer - Assigned Phs	1	2		4	5	6		8
Phs Duration (G+Y+Rc), s	15.4	45.7		29.0	24.8	36.3		19.9
Change Period (Y+Rc), s	* 4.7	6.8		5.1	* 4.7	6.8		5.1
Max Green Setting (Gmax), s	* 15	31.3		23.9	* 34	12.3		18.1
Max Q Clear Time (g_c+I1), s	18.9	9.3		25.9	18.4	11.2		14.4
Green Ext Time (p_c), s	0.1	1.5		0.0	1.7	0.2		0.5

Intersection Summary	
HCM 6th Ctrl Delay	90.4
HCM 6th LOS	F

Notes

User approved volume balancing among the lanes for turning movement.

* HCM 6th computational engine requires equal clearance times for the phases crossing the barrier.



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	85	250	80	20	90	30	50	310	50	50	310	45
Future Volume (veh/h)	85	250	80	20	90	30	50	310	50	50	310	45
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		0.97
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No			No			No			No	
Adj Sat Flow, veh/h/ln	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870
Adj Flow Rate, veh/h	89	263	73	21	95	27	53	326	48	53	326	42
Peak Hour Factor	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	149	358	99	54	552	151	92	588	86	110	629	80
Arrive On Green	0.08	0.25	0.25	0.03	0.20	0.20	0.05	0.19	0.19	0.06	0.20	0.20
Sat Flow, veh/h	1781	1408	391	1781	2754	754	1781	3112	454	1781	3155	402
Grp Volume(v), veh/h	89	0	336	21	60	62	53	185	189	53	182	186
Grp Sat Flow(s),veh/h/ln	1781	0	1799	1781	1777	1732	1781	1777	1789	1781	1777	1781
Q Serve(g_s), s	2.5	0.0	8.8	0.6	1.4	1.5	1.5	4.9	5.0	1.5	4.7	4.8
Cycle Q Clear(g_c), s	2.5	0.0	8.8	0.6	1.4	1.5	1.5	4.9	5.0	1.5	4.7	4.8
Prop In Lane	1.00		0.22	1.00		0.44	1.00		0.25	1.00		0.23
Lane Grp Cap(c), veh/h	149	0	457	54	356	347	92	336	338	110	354	355
V/C Ratio(X)	0.60	0.00	0.73	0.39	0.17	0.18	0.58	0.55	0.56	0.48	0.51	0.52
Avail Cap(c_a), veh/h	862	0	1045	862	1032	1006	862	1376	1386	862	1376	1380
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	22.8	0.0	17.7	24.6	17.1	17.1	23.9	19.0	19.0	23.4	18.4	18.5
Incr Delay (d2), s/veh	3.8	0.0	2.3	4.5	0.2	0.2	5.6	1.4	1.5	3.2	1.2	1.2
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	1.1	0.0	3.5	0.3	0.5	0.5	0.7	1.8	1.9	0.7	1.8	1.8
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	26.6	0.0	20.0	29.1	17.3	17.4	29.5	20.4	20.4	26.6	19.6	19.7
LnGrp LOS	C	A	B	C	B	B	C	C	C	C	B	B
Approach Vol, veh/h		425			143			427			421	
Approach Delay, s/veh		21.4			19.1			21.5			20.5	
Approach LOS		C			B			C			C	

Timer - Assigned Phs	1	2	3	4	5	6	7	8
Phs Duration (G+Y+Rc), s	9.2	15.8	7.6	19.1	8.7	16.3	10.3	16.4
Change Period (Y+Rc), s	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
Max Green Setting (Gmax), s	25.0	40.0	25.0	30.0	25.0	40.0	25.0	30.0
Max Q Clear Time (g_c+I1), s	3.5	7.0	2.6	10.8	3.5	6.8	4.5	3.5
Green Ext Time (p_c), s	0.1	2.1	0.0	2.0	0.1	2.1	0.2	0.6

Intersection Summary	
HCM 6th Ctrl Delay	20.9
HCM 6th LOS	C

Notes

User approved pedestrian interval to be less than phase max green.

Intersection	
Int Delay, s/veh	10

Movement	EBT	EBR	WBL	WBT	NBL	NBR
Lane Configurations						
Traffic Vol, veh/h	690	65	135	400	45	375
Future Vol, veh/h	690	65	135	400	45	375
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Stop	Stop
RT Channelized	-	None	-	None	-	None
Storage Length	-	-	65	-	0	-
Veh in Median Storage, #	0	-	-	0	0	-
Grade, %	0	-	-	0	0	-
Peak Hour Factor	95	95	95	95	95	95
Heavy Vehicles, %	2	2	2	2	2	2
Mvmt Flow	726	68	142	421	47	395

Major/Minor	Major1		Major2		Minor1	
Conflicting Flow All	0	0	794	0	1255	397
Stage 1	-	-	-	-	760	-
Stage 2	-	-	-	-	495	-
Critical Hdwy	-	-	4.14	-	6.84	6.94
Critical Hdwy Stg 1	-	-	-	-	5.84	-
Critical Hdwy Stg 2	-	-	-	-	5.84	-
Follow-up Hdwy	-	-	2.22	-	3.52	3.32
Pot Cap-1 Maneuver	-	-	823	-	164	602
Stage 1	-	-	-	-	422	-
Stage 2	-	-	-	-	578	-
Platoon blocked, %	-	-		-		
Mov Cap-1 Maneuver	-	-	823	-	136	602
Mov Cap-2 Maneuver	-	-	-	-	266	-
Stage 1	-	-	-	-	422	-
Stage 2	-	-	-	-	478	-

Approach	EB	WB	NB
HCM Control Delay, s	0	2.6	37.3
HCM LOS			E

Minor Lane/Major Mvmt	NBLn1	EBT	EBR	WBL	WBT
Capacity (veh/h)	530	-	-	823	-
HCM Lane V/C Ratio	0.834	-	-	0.173	-
HCM Control Delay (s)	37.3	-	-	10.3	-
HCM Lane LOS	E	-	-	B	-
HCM 95th %tile Q(veh)	8.5	-	-	0.6	-

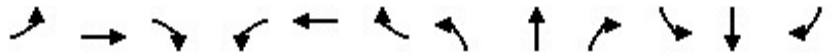
Movement	EBT	EBR	WBL	WBT	NBL	NBR
Lane Configurations						
Traffic Volume (veh/h)	870	215	60	305	175	65
Future Volume (veh/h)	870	215	60	305	175	65
Initial Q (Qb), veh	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)		1.00	1.00		1.00	1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach	No			No	No	
Adj Sat Flow, veh/h/ln	1870	1870	1870	1870	1870	1870
Adj Flow Rate, veh/h	916	205	63	321	184	52
Peak Hour Factor	0.95	0.95	0.95	0.95	0.95	0.95
Percent Heavy Veh, %	2	2	2	2	2	2
Cap, veh/h	1202	269	130	2156	266	237
Arrive On Green	0.42	0.42	0.07	0.61	0.15	0.15
Sat Flow, veh/h	2979	645	1781	3647	1781	1585
Grp Volume(v), veh/h	564	557	63	321	184	52
Grp Sat Flow(s),veh/h/ln	1777	1754	1781	1777	1781	1585
Q Serve(g_s), s	12.0	12.0	1.5	1.7	4.3	1.3
Cycle Q Clear(g_c), s	12.0	12.0	1.5	1.7	4.3	1.3
Prop In Lane		0.37	1.00		1.00	1.00
Lane Grp Cap(c), veh/h	740	730	130	2156	266	237
V/C Ratio(X)	0.76	0.76	0.48	0.15	0.69	0.22
Avail Cap(c_a), veh/h	923	911	241	2156	1005	895
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	11.0	11.1	19.7	3.8	17.9	16.6
Incr Delay (d2), s/veh	3.0	3.0	2.8	0.0	3.2	0.5
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	3.6	3.6	0.6	0.2	1.7	0.4
Unsig. Movement Delay, s/veh						
LnGrp Delay(d),s/veh	14.0	14.1	22.5	3.8	21.1	17.0
LnGrp LOS	B	B	C	A	C	B
Approach Vol, veh/h	1121			384	236	
Approach Delay, s/veh	14.0			6.9	20.2	
Approach LOS	B			A	C	

Timer - Assigned Phs	1	2				6	8
Phs Duration (G+Y+Rc), s	8.4	24.2				32.7	11.6
Change Period (Y+Rc), s	* 5.2	5.8				5.8	5.0
Max Green Setting (Gmax), s	* 6	23.0				15.0	25.0
Max Q Clear Time (g_c+I1), s	3.5	14.0				3.7	6.3
Green Ext Time (p_c), s	0.0	4.4				1.3	0.6

Intersection Summary	
HCM 6th Ctrl Delay	13.3
HCM 6th LOS	B

Notes

* HCM 6th computational engine requires equal clearance times for the phases crossing the barrier.



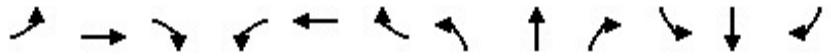
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	75	1310	35	125	1135	180	75	55	75	195	105	60
Future Volume (veh/h)	75	1310	35	125	1135	180	75	55	75	195	105	60
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		0.98	1.00		1.00	1.00		1.00	1.00		0.99
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No			No			No			No	
Adj Sat Flow, veh/h/ln	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870
Adj Flow Rate, veh/h	79	1379	36	132	1195	173	79	58	74	205	111	58
Peak Hour Factor	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	98	1435	37	443	1868	269	98	178	158	249	139	72
Arrive On Green	0.06	0.41	0.41	0.25	0.60	0.60	0.06	0.10	0.10	0.07	0.12	0.12
Sat Flow, veh/h	1781	3536	92	1781	3117	449	1781	1777	1580	3456	1154	603
Grp Volume(v), veh/h	79	692	723	132	679	689	79	58	74	205	0	169
Grp Sat Flow(s),veh/h/ln	1781	1777	1851	1781	1777	1789	1781	1777	1580	1728	0	1756
Q Serve(g_s), s	6.6	56.9	57.1	9.0	37.2	37.6	6.6	4.6	6.6	8.8	0.0	14.0
Cycle Q Clear(g_c), s	6.6	56.9	57.1	9.0	37.2	37.6	6.6	4.6	6.6	8.8	0.0	14.0
Prop In Lane	1.00		0.05	1.00		0.25	1.00		1.00	1.00		0.34
Lane Grp Cap(c), veh/h	98	721	751	443	1065	1073	98	178	158	249	0	211
V/C Ratio(X)	0.80	0.96	0.96	0.30	0.64	0.64	0.80	0.33	0.47	0.82	0.00	0.80
Avail Cap(c_a), veh/h	122	729	759	443	1065	1073	131	380	338	265	0	388
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.90	0.00	0.90
Uniform Delay (d), s/veh	70.1	43.4	43.4	45.7	19.5	19.6	70.0	62.8	63.7	68.6	0.0	64.2
Incr Delay (d2), s/veh	25.8	25.1	24.8	0.4	2.9	3.0	22.6	1.1	2.2	16.1	0.0	6.2
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	3.7	29.1	30.3	4.0	15.3	15.6	3.6	2.1	2.7	4.4	0.0	6.6
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	95.9	68.5	68.2	46.1	22.4	22.5	92.6	63.9	65.9	84.8	0.0	70.5
LnGrp LOS	F	E	E	D	C	C	F	E	E	F	A	E
Approach Vol, veh/h		1494			1500			211			374	
Approach Delay, s/veh		69.8			24.5			75.3			78.3	
Approach LOS		E			C			E			E	

Timer - Assigned Phs	1	2	3	4	5	6	7	8
Phs Duration (G+Y+Rc), s	13.8	67.4	14.3	24.5	14.8	96.4	17.3	21.5
Change Period (Y+Rc), s	6.5	6.5	6.0	6.5	6.5	6.5	6.5	6.5
Max Green Setting (Gmax), s	18.3	61.5	11.0	33.1	10.3	70.1	11.5	32.1
Max Q Clear Time (g_c+I1), s	11.0	59.1	8.6	16.0	8.6	39.6	10.8	8.6
Green Ext Time (p_c), s	0.2	1.8	0.0	0.7	0.0	10.6	0.0	0.6

Intersection Summary	
HCM 6th Ctrl Delay	52.0
HCM 6th LOS	D

Notes

User approved pedestrian interval to be less than phase max green.



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	65	1385	235	495	1160	270	275	270	355	590	250	60
Future Volume (veh/h)	65	1385	235	495	1160	270	275	270	355	590	250	60
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		0.97	1.00		0.99
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No			No			No			No	
Adj Sat Flow, veh/h/ln	1870	1870	1870	1826	1870	1870	1870	1870	1826	1870	1870	1870
Adj Flow Rate, veh/h	68	1458	215	521	1221	242	289	284	332	621	263	58
Peak Hour Factor	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
Percent Heavy Veh, %	2	2	2	5	2	2	2	2	5	2	2	2
Cap, veh/h	86	1549	633	564	2155	975	333	287	489	667	467	391
Arrive On Green	0.05	0.30	0.30	0.17	0.42	0.42	0.10	0.15	0.15	0.19	0.25	0.25
Sat Flow, veh/h	1781	5106	1585	3374	5106	1585	3456	1870	1501	3456	1870	1563
Grp Volume(v), veh/h	68	1458	215	521	1221	242	289	284	332	621	263	58
Grp Sat Flow(s),veh/h/ln	1781	1702	1585	1687	1702	1585	1728	1870	1501	1728	1870	1563
Q Serve(g_s), s	5.7	41.8	7.0	22.8	27.2	2.5	12.4	22.7	2.9	26.5	18.4	4.3
Cycle Q Clear(g_c), s	5.7	41.8	7.0	22.8	27.2	2.5	12.4	22.7	2.9	26.5	18.4	4.3
Prop In Lane	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Lane Grp Cap(c), veh/h	86	1549	633	564	2155	975	333	287	489	667	467	391
V/C Ratio(X)	0.79	0.94	0.34	0.92	0.57	0.25	0.87	0.99	0.68	0.93	0.56	0.15
Avail Cap(c_a), veh/h	150	1549	633	564	2155	975	346	287	489	691	474	396
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	70.6	50.9	11.6	61.5	32.9	4.3	66.8	63.4	44.1	59.6	49.1	43.8
Incr Delay (d2), s/veh	14.6	12.6	1.5	21.2	1.1	0.6	19.9	50.3	3.8	19.1	1.5	0.2
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	2.9	19.1	2.6	11.3	11.2	1.7	6.4	14.8	11.3	13.2	8.7	1.7
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	85.3	63.6	13.1	82.7	34.0	4.9	86.7	113.7	47.9	78.6	50.6	44.0
LnGrp LOS	F	E	B	F	C	A	F	F	D	E	D	D
Approach Vol, veh/h		1741			1984			905			942	
Approach Delay, s/veh		58.2			43.2			81.0			68.7	
Approach LOS		E			D			F			E	

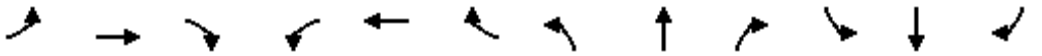
Timer - Assigned Phs	1	2	3	4	5	6	7	8
Phs Duration (G+Y+Rc), s	13.8	70.3	21.4	44.5	32.1	52.0	35.9	30.0
Change Period (Y+Rc), s	6.5	7.0	7.0	7.0	7.0	6.5	7.0	7.0
Max Green Setting (Gmax), s	12.6	56.9	15.0	38.0	24.0	45.5	30.0	23.0
Max Q Clear Time (g_c+I1), s	7.7	29.2	14.4	20.4	24.8	43.8	28.5	24.7
Green Ext Time (p_c), s	0.0	10.3	0.1	1.4	0.0	1.4	0.4	0.0

Intersection Summary	
HCM 6th Ctrl Delay	58.3
HCM 6th LOS	E

Notes

User approved pedestrian interval to be less than phase max green.

Appendix M - LOS Calculation Worksheets Horizon Year 2050 with Project Conditions



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	130	216	25	120	182	425	30	285	105	444	665	470
Future Volume (veh/h)	130	216	25	120	182	425	30	285	105	444	665	470
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		0.98	1.00		1.00	1.00		0.97	1.00		0.98
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No			No			No			No	
Adj Sat Flow, veh/h/ln	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870
Adj Flow Rate, veh/h	137	227	24	126	192	321	32	300	100	467	700	390
Peak Hour Factor	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	245	375	39	152	244	1682	67	459	143	1633	1973	973
Arrive On Green	0.07	0.12	0.12	0.09	0.13	0.13	0.04	0.12	0.12	0.47	0.56	0.56
Sat Flow, veh/h	3456	3241	339	1781	1870	2790	1781	3827	1195	3456	3554	1551
Grp Volume(v), veh/h	137	123	128	126	192	321	32	265	135	467	700	390
Grp Sat Flow(s),veh/h/ln	1728	1777	1803	1781	1870	1395	1781	1702	1618	1728	1777	1551
Q Serve(g_s), s	4.8	8.3	8.5	8.8	12.5	2.0	2.2	9.3	10.1	10.4	13.8	15.8
Cycle Q Clear(g_c), s	4.8	8.3	8.5	8.8	12.5	2.0	2.2	9.3	10.1	10.4	13.8	15.8
Prop In Lane	1.00		0.19	1.00		1.00	1.00		0.74	1.00		1.00
Lane Grp Cap(c), veh/h	245	206	209	152	244	1682	67	408	194	1633	1973	973
V/C Ratio(X)	0.56	0.60	0.61	0.83	0.79	0.19	0.48	0.65	0.70	0.29	0.35	0.40
Avail Cap(c_a), veh/h	439	395	401	226	416	1938	226	973	462	1633	1973	973
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	0.97	0.97	0.97	1.00	1.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	56.6	52.9	53.0	56.7	53.1	3.2	59.4	52.9	53.2	20.3	15.5	11.8
Incr Delay (d2), s/veh	2.0	2.8	2.9	14.3	5.4	0.1	5.3	7.7	18.8	0.1	0.5	1.2
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	2.1	3.8	4.0	4.5	6.1	0.7	1.1	4.3	5.0	4.2	5.7	5.3
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	58.6	55.7	55.9	71.0	58.5	3.2	64.7	60.6	72.1	20.4	16.0	13.0
LnGrp LOS	E	E	E	E	E	A	E	E	E	C	B	B
Approach Vol, veh/h		388			639			432			1557	
Approach Delay, s/veh		56.8			33.2			64.5			16.6	
Approach LOS		E			C			E			B	

Timer - Assigned Phs	1	2	3	4	5	6	7	8
Phs Duration (G+Y+Rc), s	66.0	21.6	17.3	21.1	11.2	76.4	15.4	22.9
Change Period (Y+Rc), s	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5
Max Green Setting (Gmax), s	20.0	36.0	16.0	28.0	16.0	40.0	16.0	28.0
Max Q Clear Time (g_c+I1), s	12.4	12.1	10.8	10.5	4.2	17.8	6.8	14.5
Green Ext Time (p_c), s	1.1	2.3	0.1	1.1	0.0	6.7	0.2	1.9

Intersection Summary	
HCM 6th Ctrl Delay	32.1
HCM 6th LOS	C

Notes

User approved pedestrian interval to be less than phase max green.

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	430	194	151	60	180	32	63	56	15	123	286	480
Future Volume (veh/h)	430	194	151	60	180	32	63	56	15	123	286	480
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No			No			No			No	
Adj Sat Flow, veh/h/ln	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870
Adj Flow Rate, veh/h	453	204	127	63	189	33	62	64	14	129	301	379
Peak Hour Factor	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	425	801	528	162	687	306	192	202	171	639	270	340
Arrive On Green	0.12	0.23	0.23	0.09	0.19	0.19	0.11	0.11	0.11	0.36	0.36	0.36
Sat Flow, veh/h	3456	3554	1585	1781	3554	1585	1781	1870	1585	1781	752	947
Grp Volume(v), veh/h	453	204	127	63	189	33	62	64	14	129	0	680
Grp Sat Flow(s),veh/h/ln	1728	1777	1585	1781	1777	1585	1781	1870	1585	1781	0	1700
Q Serve(g_s), s	12.3	4.7	5.8	3.3	4.5	1.7	3.2	3.2	0.8	5.0	0.0	35.9
Cycle Q Clear(g_c), s	12.3	4.7	5.8	3.3	4.5	1.7	3.2	3.2	0.8	5.0	0.0	35.9
Prop In Lane	1.00		1.00	1.00		1.00	1.00		1.00	1.00		0.56
Lane Grp Cap(c), veh/h	425	801	528	162	687	306	192	202	171	639	0	610
V/C Ratio(X)	1.07	0.25	0.24	0.39	0.28	0.11	0.32	0.32	0.08	0.20	0.00	1.11
Avail Cap(c_a), veh/h	425	801	528	267	687	306	324	340	288	639	0	610
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	0.74	0.74	0.74	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00
Uniform Delay (d), s/veh	43.9	31.8	24.2	42.8	34.4	33.2	41.2	41.2	40.2	22.1	0.0	32.1
Incr Delay (d2), s/veh	56.3	0.6	0.8	0.6	1.0	0.7	0.4	0.3	0.1	0.1	0.0	72.0
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	8.4	2.0	2.6	1.4	2.0	0.7	1.4	1.4	0.3	2.1	0.0	26.4
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	100.1	32.4	25.0	43.4	35.4	33.9	41.6	41.5	40.2	22.2	0.0	104.0
LnGrp LOS	F	C	C	D	D	C	D	D	D	C	A	F
Approach Vol, veh/h		784			285			140			809	
Approach Delay, s/veh		70.3			37.0			41.4			91.0	
Approach LOS		E			D			D			F	

Timer - Assigned Phs	1	2		4	5	6		8
Phs Duration (G+Y+Rc), s	13.8	29.3		41.0	17.0	26.1		15.9
Change Period (Y+Rc), s	* 4.7	6.8		5.1	* 4.7	6.8		5.1
Max Green Setting (Gmax), s	* 15	9.2		35.9	* 12	11.9		18.2
Max Q Clear Time (g_c+I1), s	15.3	7.8		37.9	14.3	6.5		5.2
Green Ext Time (p_c), s	0.0	0.2		0.0	0.0	0.3		0.2

Intersection Summary		
HCM 6th Ctrl Delay		71.9
HCM 6th LOS		E

Notes

User approved pedestrian interval to be less than phase max green.

User approved volume balancing among the lanes for turning movement.

* HCM 6th computational engine requires equal clearance times for the phases crossing the barrier.

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	25	119	40	32	145	29	25	90	30	22	250	40
Future Volume (veh/h)	25	119	40	32	145	29	25	90	30	22	250	40
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		0.99	1.00		1.00	1.00		1.00	1.00		0.98
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No			No			No			No	
Adj Sat Flow, veh/h/ln	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870
Adj Flow Rate, veh/h	26	125	39	34	153	29	26	95	31	23	263	38
Peak Hour Factor	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	67	228	71	84	529	98	56	452	142	60	537	77
Arrive On Green	0.04	0.17	0.17	0.05	0.18	0.18	0.03	0.17	0.17	0.03	0.17	0.17
Sat Flow, veh/h	1781	1362	425	1781	2992	555	1781	2663	834	1781	3114	444
Grp Volume(v), veh/h	26	0	164	34	90	92	26	62	64	23	149	152
Grp Sat Flow(s),veh/h/ln	1781	0	1787	1781	1777	1770	1781	1777	1720	1781	1777	1782
Q Serve(g_s), s	0.6	0.0	3.5	0.8	1.8	1.9	0.6	1.2	1.3	0.5	3.1	3.2
Cycle Q Clear(g_c), s	0.6	0.0	3.5	0.8	1.8	1.9	0.6	1.2	1.3	0.5	3.1	3.2
Prop In Lane	1.00		0.24	1.00		0.31	1.00		0.48	1.00		0.25
Lane Grp Cap(c), veh/h	67	0	299	84	314	313	56	302	292	60	306	307
V/C Ratio(X)	0.39	0.00	0.55	0.41	0.28	0.30	0.47	0.21	0.22	0.38	0.49	0.50
Avail Cap(c_a), veh/h	1080	0	1300	1080	1293	1288	1080	1724	1669	1080	1724	1729
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	19.4	0.0	15.7	19.1	14.7	14.7	19.6	14.7	14.8	19.5	15.4	15.4
Incr Delay (d2), s/veh	3.7	0.0	1.6	3.2	0.5	0.5	6.0	0.3	0.4	4.0	1.2	1.2
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	0.3	0.0	1.3	0.3	0.6	0.6	0.3	0.4	0.4	0.2	1.1	1.1
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	23.0	0.0	17.3	22.2	15.2	15.3	25.6	15.1	15.1	23.5	16.6	16.7
LnGrp LOS	C	A	B	C	B	B	C	B	B	C	B	B
Approach Vol, veh/h		190			216			152			324	
Approach Delay, s/veh		18.1			16.3			16.9			17.1	
Approach LOS		B			B			B			B	

Timer - Assigned Phs	1	2	3	4	5	6	7	8
Phs Duration (G+Y+Rc), s	7.4	13.0	7.9	12.9	7.3	13.1	7.5	13.3
Change Period (Y+Rc), s	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
Max Green Setting (Gmax), s	25.0	40.0	25.0	30.0	25.0	40.0	25.0	30.0
Max Q Clear Time (g_c+I1), s	2.5	3.3	2.8	5.5	2.6	5.2	2.6	3.9
Green Ext Time (p_c), s	0.0	0.7	0.0	0.9	0.0	1.7	0.0	0.9

Intersection Summary	
HCM 6th Ctrl Delay	17.1
HCM 6th LOS	B

Notes

User approved pedestrian interval to be less than phase max green.

Intersection	
Int Delay, s/veh	3.9

Movement	EBT	EBR	WBL	WBT	NBL	NBR
Lane Configurations						
Traffic Vol, veh/h	303	73	202	225	27	132
Future Vol, veh/h	303	73	202	225	27	132
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Stop	Stop
RT Channelized	-	None	-	None	-	None
Storage Length	-	-	65	-	0	-
Veh in Median Storage, #	0	-	-	0	0	-
Grade, %	0	-	-	0	0	-
Peak Hour Factor	95	95	95	95	95	95
Heavy Vehicles, %	2	2	2	2	2	2
Mvmt Flow	319	77	213	237	28	139

Major/Minor	Major1		Major2		Minor1	
Conflicting Flow All	0	0	396	0	903	198
Stage 1	-	-	-	-	358	-
Stage 2	-	-	-	-	545	-
Critical Hdwy	-	-	4.14	-	6.84	6.94
Critical Hdwy Stg 1	-	-	-	-	5.84	-
Critical Hdwy Stg 2	-	-	-	-	5.84	-
Follow-up Hdwy	-	-	2.22	-	3.52	3.32
Pot Cap-1 Maneuver	-	-	1159	-	277	810
Stage 1	-	-	-	-	678	-
Stage 2	-	-	-	-	545	-
Platoon blocked, %	-	-		-		
Mov Cap-1 Maneuver	-	-	1159	-	226	810
Mov Cap-2 Maneuver	-	-	-	-	341	-
Stage 1	-	-	-	-	678	-
Stage 2	-	-	-	-	445	-

Approach	EB	WB	NB
HCM Control Delay, s	0	4.2	12.3
HCM LOS			B

Minor Lane/Major Mvmt	NBLn1	EBT	EBR	WBL	WBT
Capacity (veh/h)	657	-	-	1159	-
HCM Lane V/C Ratio	0.255	-	-	0.183	-
HCM Control Delay (s)	12.3	-	-	8.8	-
HCM Lane LOS	B	-	-	A	-
HCM 95th %tile Q(veh)	1	-	-	0.7	-

Movement	EBT	EBR	WBL	WBT	NBL	NBR
Lane Configurations						
Traffic Volume (veh/h)	327	122	45	295	98	20
Future Volume (veh/h)	327	122	45	295	98	20
Initial Q (Qb), veh	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)		1.00	1.00		1.00	1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach	No			No	No	
Adj Sat Flow, veh/h/ln	1870	1870	1870	1870	1870	1870
Adj Flow Rate, veh/h	344	117	47	311	103	16
Peak Hour Factor	0.95	0.95	0.95	0.95	0.95	0.95
Percent Heavy Veh, %	2	2	2	2	2	2
Cap, veh/h	1021	342	110	2088	233	208
Arrive On Green	0.39	0.39	0.06	0.59	0.13	0.13
Sat Flow, veh/h	2708	875	1781	3647	1781	1585
Grp Volume(v), veh/h	232	229	47	311	103	16
Grp Sat Flow(s),veh/h/ln	1777	1713	1781	1777	1781	1585
Q Serve(g_s), s	3.5	3.6	1.0	1.5	2.0	0.3
Cycle Q Clear(g_c), s	3.5	3.6	1.0	1.5	2.0	0.3
Prop In Lane		0.51	1.00		1.00	1.00
Lane Grp Cap(c), veh/h	694	669	110	2088	233	208
V/C Ratio(X)	0.33	0.34	0.43	0.15	0.44	0.08
Avail Cap(c_a), veh/h	1064	1026	278	2088	1160	1032
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	8.2	8.2	17.4	3.6	15.4	14.6
Incr Delay (d2), s/veh	0.3	0.3	2.6	0.0	1.3	0.2
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	0.8	0.8	0.4	0.2	0.8	0.1
Unsig. Movement Delay, s/veh						
LnGrp Delay(d),s/veh	8.5	8.5	20.0	3.6	16.7	14.8
LnGrp LOS	A	A	B	A	B	B
Approach Vol, veh/h	461			358	119	
Approach Delay, s/veh	8.5			5.8	16.4	
Approach LOS	A			A	B	

Timer - Assigned Phs	1	2				6	8
Phs Duration (G+Y+Rc), s	7.6	20.8				28.4	10.0
Change Period (Y+Rc), s	* 5.2	5.8				5.8	5.0
Max Green Setting (Gmax), s	* 6	23.0				15.0	25.0
Max Q Clear Time (g_c+I1), s	3.0	5.6				3.5	4.0
Green Ext Time (p_c), s	0.0	2.3				1.3	0.3

Intersection Summary	
HCM 6th Ctrl Delay	8.5
HCM 6th LOS	A

Notes

* HCM 6th computational engine requires equal clearance times for the phases crossing the barrier.

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	57	870	35	75	1280	95	35	13	10	45	48	64
Future Volume (veh/h)	57	870	35	75	1280	95	35	13	10	45	48	64
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		0.98	1.00		0.99	1.00		0.99	1.00		0.99
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No			No			No			No	
Adj Sat Flow, veh/h/ln	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870
Adj Flow Rate, veh/h	60	916	36	79	1347	89	37	14	10	47	51	62
Peak Hour Factor	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	78	2082	82	101	2065	136	84	171	109	160	65	79
Arrive On Green	0.04	0.60	0.60	0.06	0.61	0.61	0.05	0.08	0.08	0.05	0.09	0.09
Sat Flow, veh/h	1781	3482	137	1781	3381	223	1781	2074	1314	3456	762	926
Grp Volume(v), veh/h	60	467	485	79	706	730	37	12	12	47	0	113
Grp Sat Flow(s),veh/h/ln	1781	1777	1842	1781	1777	1826	1781	1777	1611	1728	0	1688
Q Serve(g_s), s	4.0	17.2	17.2	5.3	30.8	31.1	2.4	0.7	0.8	1.6	0.0	7.9
Cycle Q Clear(g_c), s	4.0	17.2	17.2	5.3	30.8	31.1	2.4	0.7	0.8	1.6	0.0	7.9
Prop In Lane	1.00		0.07	1.00		0.12	1.00		0.82	1.00		0.55
Lane Grp Cap(c), veh/h	78	1062	1101	101	1085	1116	84	147	133	160	0	145
V/C Ratio(X)	0.77	0.44	0.44	0.78	0.65	0.65	0.44	0.08	0.09	0.29	0.00	0.78
Avail Cap(c_a), veh/h	230	1062	1101	230	1085	1116	238	378	342	446	0	359
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.99	0.00	0.99
Uniform Delay (d), s/veh	56.8	13.2	13.2	55.9	15.1	15.1	55.6	50.8	50.9	55.3	0.0	53.8
Incr Delay (d2), s/veh	14.7	1.3	1.3	12.2	3.0	3.0	3.6	0.2	0.3	1.0	0.0	8.7
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	2.1	6.6	6.9	2.6	11.9	12.3	1.2	0.3	0.3	0.7	0.0	3.6
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	71.5	14.5	14.4	68.1	18.1	18.1	59.2	51.1	51.2	56.3	0.0	62.5
LnGrp LOS	E	B	B	E	B	B	E	D	D	E	A	E
Approach Vol, veh/h		1012			1515			61			160	
Approach Delay, s/veh		17.9			20.7			56.0			60.7	
Approach LOS		B			C			E			E	

Timer - Assigned Phs	1	2	3	4	5	6	7	8
Phs Duration (G+Y+Rc), s	13.3	78.2	11.7	16.8	11.7	79.8	12.0	16.4
Change Period (Y+Rc), s	6.5	6.5	6.0	6.5	6.5	6.5	6.5	6.5
Max Green Setting (Gmax), s	15.5	15.5	16.0	25.5	15.5	37.5	15.5	25.5
Max Q Clear Time (g_c+I1), s	7.3	19.2	4.4	9.9	6.0	33.1	3.6	2.8
Green Ext Time (p_c), s	0.1	0.0	0.0	0.4	0.1	3.1	0.1	0.1

Intersection Summary	
HCM 6th Ctrl Delay	22.8
HCM 6th LOS	C

Notes

User approved pedestrian interval to be less than phase max green.

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	40	1075	155	355	1425	317	75	78	95	219	73	30
Future Volume (veh/h)	40	1075	155	355	1425	317	75	78	95	219	73	30
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		0.96	1.00		0.98
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No			No			No			No	
Adj Sat Flow, veh/h/ln	1870	1870	1870	1826	1870	1870	1870	1870	1826	1870	1870	1870
Adj Flow Rate, veh/h	42	1132	152	374	1500	281	79	82	89	231	77	27
Peak Hour Factor	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
Percent Heavy Veh, %	2	2	2	5	2	2	2	2	5	2	2	2
Cap, veh/h	78	2550	924	309	2814	1005	288	169	276	295	173	143
Arrive On Green	0.04	0.50	0.50	0.09	0.55	0.55	0.08	0.09	0.09	0.09	0.09	0.09
Sat Flow, veh/h	1781	5106	1585	3374	5106	1577	3456	1870	1480	3456	1870	1552
Grp Volume(v), veh/h	42	1132	152	374	1500	281	79	82	89	231	77	27
Grp Sat Flow(s),veh/h/ln	1781	1702	1585	1687	1702	1577	1728	1870	1480	1728	1870	1552
Q Serve(g_s), s	2.8	17.1	5.3	11.0	22.4	2.6	2.6	5.0	4.3	7.9	4.7	1.9
Cycle Q Clear(g_c), s	2.8	17.1	5.3	11.0	22.4	2.6	2.6	5.0	4.3	7.9	4.7	1.9
Prop In Lane	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Lane Grp Cap(c), veh/h	78	2550	924	309	2814	1005	288	169	276	295	173	143
V/C Ratio(X)	0.54	0.44	0.16	1.21	0.53	0.28	0.27	0.48	0.32	0.78	0.45	0.19
Avail Cap(c_a), veh/h	126	2550	924	309	2814	1005	288	499	536	461	592	492
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	56.2	19.3	11.6	54.5	17.1	2.3	51.6	51.9	21.2	53.8	51.6	50.3
Incr Delay (d2), s/veh	5.6	0.6	0.4	120.5	0.7	0.7	0.5	2.1	0.7	4.6	1.8	0.6
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	1.3	6.5	1.9	9.7	8.3	1.4	1.1	2.5	1.9	3.5	2.2	0.8
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	61.8	19.9	11.9	175.0	17.8	3.0	52.1	54.1	21.8	58.4	53.4	50.9
LnGrp LOS	E	B	B	F	B	A	D	D	C	E	D	D
Approach Vol, veh/h		1326			2155			250			335	
Approach Delay, s/veh		20.3			43.2			42.0			56.7	
Approach LOS		C			D			D			E	

Timer - Assigned Phs	1	2	3	4	5	6	7	8
Phs Duration (G+Y+Rc), s	11.8	73.1	17.0	18.1	18.0	66.9	17.2	17.9
Change Period (Y+Rc), s	6.5	7.0	7.0	7.0	7.0	* 7	7.0	7.0
Max Green Setting (Gmax), s	8.5	36.0	10.0	38.0	11.0	* 34	16.0	32.0
Max Q Clear Time (g_c+I1), s	4.8	24.4	4.6	6.7	13.0	19.1	9.9	7.0
Green Ext Time (p_c), s	0.0	7.8	0.1	0.4	0.0	6.7	0.4	0.7

Intersection Summary	
HCM 6th Ctrl Delay	36.8
HCM 6th LOS	D

Notes

* HCM 6th computational engine requires equal clearance times for the phases crossing the barrier.

Intersection	
Int Delay, s/veh	0.7

Movement	EBT	EBR	WBL	WBT	NBL	NBR
Lane Configurations						
Traffic Vol, veh/h	348	3	6	240	11	27
Future Vol, veh/h	348	3	6	240	11	27
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Stop	Stop
RT Channelized	-	None	-	None	-	None
Storage Length	-	-	50	-	0	-
Veh in Median Storage, #	0	-	-	0	0	-
Grade, %	0	-	-	0	0	-
Peak Hour Factor	95	95	95	95	95	95
Heavy Vehicles, %	2	2	2	2	2	2
Mvmt Flow	366	3	6	253	12	28

Major/Minor	Major1		Major2		Minor1	
Conflicting Flow All	0	0	369	0	507	185
Stage 1	-	-	-	-	368	-
Stage 2	-	-	-	-	139	-
Critical Hdwy	-	-	4.14	-	6.84	6.94
Critical Hdwy Stg 1	-	-	-	-	5.84	-
Critical Hdwy Stg 2	-	-	-	-	5.84	-
Follow-up Hdwy	-	-	2.22	-	3.52	3.32
Pot Cap-1 Maneuver	-	-	1186	-	495	826
Stage 1	-	-	-	-	670	-
Stage 2	-	-	-	-	873	-
Platoon blocked, %	-	-		-		
Mov Cap-1 Maneuver	-	-	1186	-	493	826
Mov Cap-2 Maneuver	-	-	-	-	560	-
Stage 1	-	-	-	-	670	-
Stage 2	-	-	-	-	869	-

Approach	EB	WB	NB
HCM Control Delay, s	0	0.2	10.2
HCM LOS			B

Minor Lane/Major Mvmt	NBLn1	EBT	EBR	WBL	WBT
Capacity (veh/h)	726	-	-	1186	-
HCM Lane V/C Ratio	0.055	-	-	0.005	-
HCM Control Delay (s)	10.2	-	-	8.1	-
HCM Lane LOS	B	-	-	A	-
HCM 95th %tile Q(veh)	0.2	-	-	0	-

Intersection	
Int Delay, s/veh	0.2

Movement	EBT	EBR	WBL	WBT	NBL	NBR
Lane Configurations						
Traffic Vol, veh/h	372	3	7	245	1	4
Future Vol, veh/h	372	3	7	245	1	4
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Stop	Stop
RT Channelized	-	None	-	None	-	None
Storage Length	-	-	50	-	0	-
Veh in Median Storage, #	0	-	-	0	0	-
Grade, %	0	-	-	0	0	-
Peak Hour Factor	95	95	95	95	95	95
Heavy Vehicles, %	2	2	2	2	2	2
Mvmt Flow	392	3	7	258	1	4

Major/Minor	Major1		Major2		Minor1	
Conflicting Flow All	0	0	395	0	537	198
Stage 1	-	-	-	-	394	-
Stage 2	-	-	-	-	143	-
Critical Hdwy	-	-	4.14	-	6.84	6.94
Critical Hdwy Stg 1	-	-	-	-	5.84	-
Critical Hdwy Stg 2	-	-	-	-	5.84	-
Follow-up Hdwy	-	-	2.22	-	3.52	3.32
Pot Cap-1 Maneuver	-	-	1160	-	474	810
Stage 1	-	-	-	-	650	-
Stage 2	-	-	-	-	869	-
Platoon blocked, %	-	-		-		
Mov Cap-1 Maneuver	-	-	1160	-	471	810
Mov Cap-2 Maneuver	-	-	-	-	542	-
Stage 1	-	-	-	-	650	-
Stage 2	-	-	-	-	864	-

Approach	EB	WB	NB
HCM Control Delay, s	0	0.2	9.9
HCM LOS			A

Minor Lane/Major Mvmt	NBLn1	EBT	EBR	WBL	WBT
Capacity (veh/h)	737	-	-	1160	-
HCM Lane V/C Ratio	0.007	-	-	0.006	-
HCM Control Delay (s)	9.9	-	-	8.1	-
HCM Lane LOS	A	-	-	A	-
HCM 95th %tile Q(veh)	0	-	-	0	-

Intersection	
Int Delay, s/veh	0.5

Movement	EBL	EBT	WBT	WBR	SBL	SBR
Lane Configurations						
Traffic Vol, veh/h	14	157	261	7	5	8
Future Vol, veh/h	14	157	261	7	5	8
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Stop	Stop
RT Channelized	-	None	-	None	-	None
Storage Length	-	-	-	-	0	-
Veh in Median Storage, #	-	0	0	-	0	-
Grade, %	-	0	0	-	0	-
Peak Hour Factor	95	95	95	95	95	95
Heavy Vehicles, %	2	2	2	2	2	2
Mvmt Flow	15	165	275	7	5	8

Major/Minor	Major1		Major2		Minor2	
Conflicting Flow All	282	0	-	0	474	279
Stage 1	-	-	-	-	279	-
Stage 2	-	-	-	-	195	-
Critical Hdwy	4.12	-	-	-	6.42	6.22
Critical Hdwy Stg 1	-	-	-	-	5.42	-
Critical Hdwy Stg 2	-	-	-	-	5.42	-
Follow-up Hdwy	2.218	-	-	-	3.518	3.318
Pot Cap-1 Maneuver	1280	-	-	-	549	760
Stage 1	-	-	-	-	768	-
Stage 2	-	-	-	-	838	-
Platoon blocked, %		-	-	-		
Mov Cap-1 Maneuver	1280	-	-	-	542	760
Mov Cap-2 Maneuver	-	-	-	-	542	-
Stage 1	-	-	-	-	758	-
Stage 2	-	-	-	-	838	-

Approach	EB	WB	SB
HCM Control Delay, s	0.6	0	10.6
HCM LOS			B

Minor Lane/Major Mvmt	EBL	EBT	WBT	WBR	SBLn1
Capacity (veh/h)	1280	-	-	-	658
HCM Lane V/C Ratio	0.012	-	-	-	0.021
HCM Control Delay (s)	7.8	0	-	-	10.6
HCM Lane LOS	A	A	-	-	B
HCM 95th %tile Q(veh)	0	-	-	-	0.1

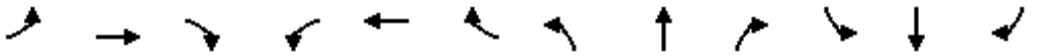
Intersection	
Int Delay, s/veh	0.4

Movement	EBL	EBT	WBT	WBR	SBL	SBR
Lane Configurations						
Traffic Vol, veh/h	9	153	264	11	6	4
Future Vol, veh/h	9	153	264	11	6	4
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Stop	Stop
RT Channelized	-	None	-	None	-	None
Storage Length	-	-	-	-	0	-
Veh in Median Storage, #	-	0	0	-	0	-
Grade, %	-	0	0	-	0	-
Peak Hour Factor	95	95	95	95	95	95
Heavy Vehicles, %	2	2	2	2	2	2
Mvmt Flow	9	161	278	12	6	4

Major/Minor	Major1		Major2		Minor2	
Conflicting Flow All	290	0	-	0	463	284
Stage 1	-	-	-	-	284	-
Stage 2	-	-	-	-	179	-
Critical Hdwy	4.12	-	-	-	6.42	6.22
Critical Hdwy Stg 1	-	-	-	-	5.42	-
Critical Hdwy Stg 2	-	-	-	-	5.42	-
Follow-up Hdwy	2.218	-	-	-	3.518	3.318
Pot Cap-1 Maneuver	1272	-	-	-	557	755
Stage 1	-	-	-	-	764	-
Stage 2	-	-	-	-	852	-
Platoon blocked, %		-	-	-		
Mov Cap-1 Maneuver	1272	-	-	-	553	755
Mov Cap-2 Maneuver	-	-	-	-	553	-
Stage 1	-	-	-	-	758	-
Stage 2	-	-	-	-	852	-

Approach	EB	WB	SB
HCM Control Delay, s	0.4	0	10.9
HCM LOS			B

Minor Lane/Major Mvmt	EBL	EBT	WBT	WBR	SBLn1
Capacity (veh/h)	1272	-	-	-	619
HCM Lane V/C Ratio	0.007	-	-	-	0.017
HCM Control Delay (s)	7.9	0	-	-	10.9
HCM Lane LOS	A	A	-	-	B
HCM 95th %tile Q(veh)	0	-	-	-	0.1



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	330	385	65	75	149	718	65	930	260	375	555	285
Future Volume (veh/h)	330	385	65	75	149	718	65	930	260	375	555	285
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		0.98	1.00		0.99	1.00		0.97	1.00		0.98
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No			No			No			No	
Adj Sat Flow, veh/h/ln	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870
Adj Flow Rate, veh/h	347	405	63	79	157	503	68	979	248	395	584	237
Peak Hour Factor	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	361	483	75	133	238	1025	99	1174	297	834	1693	902
Arrive On Green	0.10	0.16	0.16	0.02	0.04	0.04	0.06	0.29	0.29	0.24	0.48	0.48
Sat Flow, veh/h	3456	3075	474	1781	1870	2770	1781	4037	1020	3456	3554	1546
Grp Volume(v), veh/h	347	233	235	79	157	503	68	825	402	395	584	237
Grp Sat Flow(s),veh/h/ln	1728	1777	1772	1781	1870	1385	1781	1702	1653	1728	1777	1546
Q Serve(g_s), s	11.0	14.0	14.2	4.8	9.1	3.8	4.1	25.0	25.1	10.8	11.3	8.3
Cycle Q Clear(g_c), s	11.0	14.0	14.2	4.8	9.1	3.8	4.1	25.0	25.1	10.8	11.3	8.3
Prop In Lane	1.00		0.27	1.00		1.00	1.00		0.62	1.00		1.00
Lane Grp Cap(c), veh/h	361	279	278	133	238	1025	99	990	481	834	1693	902
V/C Ratio(X)	0.96	0.83	0.85	0.60	0.66	0.49	0.69	0.83	0.84	0.47	0.34	0.26
Avail Cap(c_a), veh/h	361	315	314	186	332	1164	219	1099	534	834	1693	902
HCM Platoon Ratio	1.00	1.00	1.00	0.33	0.33	0.33	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	0.78	0.78	0.78	1.00	1.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	49.0	45.0	45.1	52.0	50.4	11.2	51.0	36.5	36.6	35.7	18.0	11.4
Incr Delay (d2), s/veh	36.9	15.7	17.2	3.3	2.4	0.3	8.1	8.2	15.7	0.4	0.6	0.7
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	6.5	7.2	7.4	2.3	4.5	2.5	2.0	11.0	11.7	4.6	4.7	2.8
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	85.9	60.7	62.3	55.3	52.8	11.5	59.1	44.7	52.3	36.2	18.6	12.1
LnGrp LOS	F	E	E	E	D	B	E	D	D	D	B	B
Approach Vol, veh/h		815			739			1295			1216	
Approach Delay, s/veh		71.9			24.9			47.8			23.0	
Approach LOS		E			C			D			C	

Timer - Assigned Phs	1	2	3	4	5	6	7	8
Phs Duration (G+Y+Rc), s	33.0	38.5	14.7	23.8	12.6	58.9	18.0	20.5
Change Period (Y+Rc), s	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5
Max Green Setting (Gmax), s	17.5	35.5	11.5	19.5	13.5	39.5	11.5	19.5
Max Q Clear Time (g_c+I1), s	12.8	27.1	6.8	16.2	6.1	13.3	13.0	11.1
Green Ext Time (p_c), s	0.6	4.7	0.1	0.8	0.1	5.2	0.0	1.9

Intersection Summary	
HCM 6th Ctrl Delay	41.1
HCM 6th LOS	D

Notes

User approved pedestrian interval to be less than phase max green.

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	515	332	208	110	359	57	223	183	70	263	281	385
Future Volume (veh/h)	515	332	208	110	359	57	223	183	70	263	281	385
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		0.98	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No			No			No			No	
Adj Sat Flow, veh/h/ln	1870	1870	1870	1870	1870	1870	1870	1870	1870	1851	1851	1851
Adj Flow Rate, veh/h	542	349	177	116	378	55	214	222	58	277	296	300
Peak Hour Factor	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	614	1247	765	173	961	429	245	257	218	383	183	186
Arrive On Green	0.18	0.35	0.35	0.10	0.27	0.27	0.14	0.14	0.14	0.22	0.22	0.22
Sat Flow, veh/h	3456	3554	1560	1781	3554	1585	1781	1870	1585	1763	843	854
Grp Volume(v), veh/h	542	349	177	116	378	55	214	222	58	277	0	596
Grp Sat Flow(s),veh/h/ln	1728	1777	1560	1781	1777	1585	1781	1870	1585	1763	0	1697
Q Serve(g_s), s	16.8	7.8	7.2	6.9	9.6	2.9	13.0	12.8	3.6	16.1	0.0	23.9
Cycle Q Clear(g_c), s	16.8	7.8	7.2	6.9	9.6	2.9	13.0	12.8	3.6	16.1	0.0	23.9
Prop In Lane	1.00		1.00	1.00		1.00	1.00		1.00	1.00		0.50
Lane Grp Cap(c), veh/h	614	1247	765	173	961	429	245	257	218	383	0	369
V/C Ratio(X)	0.88	0.28	0.23	0.67	0.39	0.13	0.87	0.86	0.27	0.72	0.00	1.62
Avail Cap(c_a), veh/h	701	1247	765	183	961	429	257	270	229	383	0	369
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	0.65	0.65	0.65	1.00	1.00	1.00	0.85	0.85	0.85	1.00	0.00	1.00
Uniform Delay (d), s/veh	44.1	25.7	16.2	48.0	32.8	30.3	46.5	46.4	42.5	40.0	0.0	43.1
Incr Delay (d2), s/veh	8.0	0.4	0.5	6.6	1.2	0.6	21.7	19.3	0.2	5.8	0.0	289.7
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	7.6	3.2	3.3	3.3	4.1	1.1	7.1	7.2	1.4	7.5	0.0	39.6
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	52.1	26.1	16.7	54.6	34.0	30.9	68.3	65.8	42.7	45.7	0.0	332.7
LnGrp LOS	D	C	B	D	C	C	E	E	D	D	A	F
Approach Vol, veh/h		1068			549			494			873	
Approach Delay, s/veh		37.7			38.0			64.1			241.7	
Approach LOS		D			D			E			F	

Timer - Assigned Phs	1	2		4	5	6		8
Phs Duration (G+Y+Rc), s	15.4	45.4		29.0	24.3	36.5		20.2
Change Period (Y+Rc), s	* 4.7	6.8		5.1	* 4.7	6.8		5.1
Max Green Setting (Gmax), s	* 11	37.2		23.9	* 22	26.2		15.9
Max Q Clear Time (g_c+I1), s	18.9	9.8		25.9	18.8	11.6		15.0
Green Ext Time (p_c), s	0.0	1.6		0.0	0.7	1.3		0.1

Intersection Summary	
HCM 6th Ctrl Delay	101.8
HCM 6th LOS	F

Notes

User approved volume balancing among the lanes for turning movement.

* HCM 6th computational engine requires equal clearance times for the phases crossing the barrier.

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	85	265	80	42	102	41	50	310	75	60	310	35
Future Volume (veh/h)	85	265	80	42	102	41	50	310	75	60	310	35
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		0.97
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No			No			No			No	
Adj Sat Flow, veh/h/ln	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870
Adj Flow Rate, veh/h	89	279	73	44	107	38	53	326	74	63	326	32
Peak Hour Factor	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	144	370	97	95	601	204	90	531	119	120	655	64
Arrive On Green	0.08	0.26	0.26	0.05	0.23	0.23	0.05	0.18	0.18	0.07	0.20	0.20
Sat Flow, veh/h	1781	1429	374	1781	2601	884	1781	2885	646	1781	3259	317
Grp Volume(v), veh/h	89	0	352	44	72	73	53	199	201	63	176	182
Grp Sat Flow(s),veh/h/ln	1781	0	1803	1781	1777	1708	1781	1777	1754	1781	1777	1800
Q Serve(g_s), s	2.7	0.0	9.9	1.3	1.8	1.9	1.6	5.7	5.8	1.9	4.8	4.9
Cycle Q Clear(g_c), s	2.7	0.0	9.9	1.3	1.8	1.9	1.6	5.7	5.8	1.9	4.8	4.9
Prop In Lane	1.00		0.21	1.00		0.52	1.00		0.37	1.00		0.18
Lane Grp Cap(c), veh/h	144	0	467	95	411	395	90	327	323	120	357	362
V/C Ratio(X)	0.62	0.00	0.75	0.46	0.17	0.19	0.59	0.61	0.62	0.52	0.49	0.50
Avail Cap(c_a), veh/h	810	0	983	810	969	932	810	1292	1276	810	1292	1309
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	24.4	0.0	18.8	25.3	16.9	17.0	25.6	20.6	20.7	24.8	19.5	19.5
Incr Delay (d2), s/veh	4.2	0.0	2.5	3.5	0.2	0.2	6.0	1.8	2.0	3.5	1.1	1.1
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	1.2	0.0	4.0	0.6	0.6	0.7	0.8	2.2	2.2	0.8	1.8	1.9
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	28.7	0.0	21.3	28.7	17.1	17.2	31.6	22.5	22.6	28.3	20.6	20.6
LnGrp LOS	C	A	C	C	B	B	C	C	C	C	C	C
Approach Vol, veh/h		441			189			453			421	
Approach Delay, s/veh		22.8			19.9			23.6			21.7	
Approach LOS		C			B			C			C	

Timer - Assigned Phs	1	2	3	4	5	6	7	8
Phs Duration (G+Y+Rc), s	9.7	16.1	8.9	20.2	8.8	17.1	10.5	18.7
Change Period (Y+Rc), s	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
Max Green Setting (Gmax), s	25.0	40.0	25.0	30.0	25.0	40.0	25.0	30.0
Max Q Clear Time (g_c+I1), s	3.9	7.8	3.3	11.9	3.6	6.9	4.7	3.9
Green Ext Time (p_c), s	0.1	2.3	0.1	2.0	0.1	2.0	0.2	0.7

Intersection Summary	
HCM 6th Ctrl Delay	22.4
HCM 6th LOS	C

Notes

User approved pedestrian interval to be less than phase max green.

Intersection	
Int Delay, s/veh	18.9

Movement	EBT	EBR	WBL	WBT	NBL	NBR
Lane Configurations						
Traffic Vol, veh/h	698	84	152	413	70	394
Future Vol, veh/h	698	84	152	413	70	394
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Stop	Stop
RT Channelized	-	None	-	None	-	None
Storage Length	-	-	65	-	0	-
Veh in Median Storage, #	0	-	-	0	0	-
Grade, %	0	-	-	0	0	-
Peak Hour Factor	95	95	95	95	95	95
Heavy Vehicles, %	2	2	2	2	2	2
Mvmt Flow	735	88	160	435	74	415

Major/Minor	Major1		Major2		Minor1	
Conflicting Flow All	0	0	823	0	1317	412
Stage 1	-	-	-	-	779	-
Stage 2	-	-	-	-	538	-
Critical Hdwy	-	-	4.14	-	6.84	6.94
Critical Hdwy Stg 1	-	-	-	-	5.84	-
Critical Hdwy Stg 2	-	-	-	-	5.84	-
Follow-up Hdwy	-	-	2.22	-	3.52	3.32
Pot Cap-1 Maneuver	-	-	803	-	149	589
Stage 1	-	-	-	-	413	-
Stage 2	-	-	-	-	549	-
Platoon blocked, %	-	-		-		
Mov Cap-1 Maneuver	-	-	803	-	119	589
Mov Cap-2 Maneuver	-	-	-	-	249	-
Stage 1	-	-	-	-	413	-
Stage 2	-	-	-	-	440	-

Approach	EB	WB	NB
HCM Control Delay, s	0	2.9	70.2
HCM LOS			F

Minor Lane/Major Mvmt	NBLn1	EBT	EBR	WBL	WBT
Capacity (veh/h)	488	-	-	803	-
HCM Lane V/C Ratio	1.001	-	-	0.199	-
HCM Control Delay (s)	70.2	-	-	10.6	-
HCM Lane LOS	F	-	-	B	-
HCM 95th %tile Q(veh)	13.6	-	-	0.7	-

Movement	EBT	EBR	WBL	WBT	NBL	NBR
Lane Configurations						
Traffic Volume (veh/h)	892	220	60	330	179	65
Future Volume (veh/h)	892	220	60	330	179	65
Initial Q (Qb), veh	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)		1.00	1.00		1.00	1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach	No			No	No	
Adj Sat Flow, veh/h/ln	1870	1870	1870	1870	1870	1870
Adj Flow Rate, veh/h	939	211	63	347	188	52
Peak Hour Factor	0.95	0.95	0.95	0.95	0.95	0.95
Percent Heavy Veh, %	2	2	2	2	2	2
Cap, veh/h	1213	272	129	2165	268	239
Arrive On Green	0.42	0.42	0.07	0.61	0.15	0.15
Sat Flow, veh/h	2977	647	1781	3647	1781	1585
Grp Volume(v), veh/h	578	572	63	347	188	52
Grp Sat Flow(s),veh/h/ln	1777	1754	1781	1777	1781	1585
Q Serve(g_s), s	12.6	12.6	1.5	1.9	4.5	1.3
Cycle Q Clear(g_c), s	12.6	12.6	1.5	1.9	4.5	1.3
Prop In Lane		0.37	1.00		1.00	1.00
Lane Grp Cap(c), veh/h	748	738	129	2165	268	239
V/C Ratio(X)	0.77	0.77	0.49	0.16	0.70	0.22
Avail Cap(c_a), veh/h	909	897	238	2165	990	881
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	11.2	11.2	20.0	3.8	18.1	16.8
Incr Delay (d2), s/veh	3.4	3.5	2.8	0.0	3.3	0.5
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	3.9	3.8	0.6	0.3	1.8	0.4
Unsig. Movement Delay, s/veh						
LnGrp Delay(d),s/veh	14.6	14.7	22.9	3.8	21.4	17.2
LnGrp LOS	B	B	C	A	C	B
Approach Vol, veh/h	1150			410	240	
Approach Delay, s/veh	14.6			6.8	20.5	
Approach LOS	B			A	C	

Timer - Assigned Phs	1	2				6	8
Phs Duration (G+Y+Rc), s	8.5	24.7				33.2	11.8
Change Period (Y+Rc), s	* 5.2	5.8				5.8	5.0
Max Green Setting (Gmax), s	* 6	23.0				15.0	25.0
Max Q Clear Time (g_c+I1), s	3.5	14.6				3.9	6.5
Green Ext Time (p_c), s	0.0	4.3				1.5	0.6

Intersection Summary	
HCM 6th Ctrl Delay	13.6
HCM 6th LOS	B

Notes

* HCM 6th computational engine requires equal clearance times for the phases crossing the barrier.

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	95	1310	35	125	1135	180	75	64	75	195	110	77
Future Volume (veh/h)	95	1310	35	125	1135	180	75	64	75	195	110	77
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		0.98	1.00		1.00	1.00		1.00	1.00		0.99
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No			No			No			No	
Adj Sat Flow, veh/h/ln	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870
Adj Flow Rate, veh/h	100	1379	36	132	1195	173	79	67	74	205	116	76
Peak Hour Factor	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	121	1459	38	408	1788	258	98	201	179	249	140	92
Arrive On Green	0.07	0.41	0.41	0.23	0.57	0.57	0.06	0.11	0.11	0.07	0.13	0.13
Sat Flow, veh/h	1781	3536	92	1781	3117	449	1781	1777	1581	3456	1052	689
Grp Volume(v), veh/h	100	692	723	132	679	689	79	67	74	205	0	192
Grp Sat Flow(s),veh/h/ln	1781	1777	1851	1781	1777	1789	1781	1777	1581	1728	0	1741
Q Serve(g_s), s	8.3	56.2	56.4	9.3	39.6	40.0	6.6	5.2	6.5	8.8	0.0	16.1
Cycle Q Clear(g_c), s	8.3	56.2	56.4	9.3	39.6	40.0	6.6	5.2	6.5	8.8	0.0	16.1
Prop In Lane	1.00		0.05	1.00		0.25	1.00		1.00	1.00		0.40
Lane Grp Cap(c), veh/h	121	733	764	408	1019	1027	98	201	179	249	0	232
V/C Ratio(X)	0.83	0.94	0.95	0.32	0.67	0.67	0.80	0.33	0.41	0.82	0.00	0.83
Avail Cap(c_a), veh/h	122	752	784	408	1019	1027	131	380	338	265	0	384
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.89	0.00	0.89
Uniform Delay (d), s/veh	69.1	42.4	42.4	48.2	22.1	22.2	70.0	61.3	61.9	68.6	0.0	63.3
Incr Delay (d2), s/veh	35.4	22.1	21.8	0.5	3.4	3.5	22.6	1.0	1.5	16.0	0.0	6.6
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	4.9	28.2	29.4	4.1	16.6	16.9	3.6	2.4	2.7	4.4	0.0	7.5
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	104.4	64.5	64.3	48.6	25.5	25.7	92.6	62.3	63.4	84.6	0.0	69.9
LnGrp LOS	F	E	E	D	C	C	F	E	E	F	A	E
Approach Vol, veh/h		1515			1500			220			397	
Approach Delay, s/veh		67.0			27.6			73.6			77.5	
Approach LOS		E			C			E			E	

Timer - Assigned Phs	1	2	3	4	5	6	7	8
Phs Duration (G+Y+Rc), s	10.8	68.4	14.3	26.5	16.7	92.6	17.3	23.5
Change Period (Y+Rc), s	6.5	6.5	6.0	6.5	6.5	6.5	6.5	6.5
Max Green Setting (Gmax), s	10.3	63.5	11.0	33.1	10.3	70.1	11.5	32.1
Max Q Clear Time (g_c+I1), s	11.3	58.4	8.6	18.1	10.3	42.0	10.8	8.5
Green Ext Time (p_c), s	0.1	3.5	0.0	0.8	0.0	10.3	0.0	0.7

Intersection Summary	
HCM 6th Ctrl Delay	52.3
HCM 6th LOS	D

Notes

User approved pedestrian interval to be less than phase max green.

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	65	1385	235	495	1160	290	275	274	355	607	255	60
Future Volume (veh/h)	65	1385	235	495	1160	290	275	274	355	607	255	60
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		0.97	1.00		0.99
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No			No			No			No	
Adj Sat Flow, veh/h/ln	1870	1870	1870	1826	1870	1870	1870	1870	1826	1870	1870	1870
Adj Flow Rate, veh/h	68	1458	215	521	1221	263	289	288	332	639	268	58
Peak Hour Factor	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
Percent Heavy Veh, %	2	2	2	5	2	2	2	2	5	2	2	2
Cap, veh/h	86	1583	644	528	2135	975	333	287	472	680	475	397
Arrive On Green	0.05	0.31	0.31	0.16	0.42	0.42	0.10	0.15	0.15	0.20	0.25	0.25
Sat Flow, veh/h	1781	5106	1585	3374	5106	1585	3456	1870	1501	3456	1870	1563
Grp Volume(v), veh/h	68	1458	215	521	1221	263	289	288	332	639	268	58
Grp Sat Flow(s),veh/h/ln	1781	1702	1585	1687	1702	1585	1728	1870	1501	1728	1870	1563
Q Serve(g_s), s	5.7	41.4	7.1	23.1	27.4	2.7	12.4	23.0	5.0	27.3	18.7	4.3
Cycle Q Clear(g_c), s	5.7	41.4	7.1	23.1	27.4	2.7	12.4	23.0	5.0	27.3	18.7	4.3
Prop In Lane	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Lane Grp Cap(c), veh/h	86	1583	644	528	2135	975	333	287	472	680	475	397
V/C Ratio(X)	0.79	0.92	0.33	0.99	0.57	0.27	0.87	1.00	0.70	0.94	0.56	0.15
Avail Cap(c_a), veh/h	150	1583	644	528	2135	975	346	287	472	691	475	397
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	70.6	50.0	11.4	63.1	33.4	4.4	66.8	63.5	45.5	59.3	48.7	43.4
Incr Delay (d2), s/veh	14.6	10.3	1.4	35.7	1.1	0.7	19.9	54.2	4.7	20.6	1.5	0.2
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	2.9	18.6	2.6	12.4	11.3	1.9	6.4	15.3	11.5	13.7	8.8	1.7
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	85.3	60.3	12.8	98.9	34.5	5.0	86.7	117.7	50.2	79.9	50.3	43.5
LnGrp LOS	F	E	B	F	C	A	F	F	D	E	D	D
Approach Vol, veh/h		1741			2005			909			965	
Approach Delay, s/veh		55.4			47.4			83.2			69.5	
Approach LOS		E			D			F			E	

Timer - Assigned Phs	1	2	3	4	5	6	7	8
Phs Duration (G+Y+Rc), s	13.8	69.7	21.4	45.1	30.5	53.0	36.5	30.0
Change Period (Y+Rc), s	6.5	7.0	7.0	7.0	7.0	6.5	7.0	7.0
Max Green Setting (Gmax), s	12.6	56.9	15.0	38.0	23.0	46.5	30.0	23.0
Max Q Clear Time (g_c+I1), s	7.7	29.4	14.4	20.7	25.1	43.4	29.3	25.0
Green Ext Time (p_c), s	0.0	10.4	0.1	1.4	0.0	2.5	0.2	0.0

Intersection Summary	
HCM 6th Ctrl Delay	59.4
HCM 6th LOS	E

Notes

User approved pedestrian interval to be less than phase max green.

Intersection	
Int Delay, s/veh	0.3

Movement	EBT	EBR	WBL	WBT	NBL	NBR
Lane Configurations						
Traffic Vol, veh/h	767	9	20	458	4	8
Future Vol, veh/h	767	9	20	458	4	8
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Stop	Stop
RT Channelized	-	None	-	None	-	None
Storage Length	-	-	50	-	0	-
Veh in Median Storage, #	0	-	-	0	0	-
Grade, %	0	-	-	0	0	-
Peak Hour Factor	95	95	95	95	95	95
Heavy Vehicles, %	2	2	2	2	2	2
Mvmt Flow	807	9	21	482	4	8

Major/Minor	Major1		Major2		Minor1	
Conflicting Flow All	0	0	816	0	1095	408
Stage 1	-	-	-	-	812	-
Stage 2	-	-	-	-	283	-
Critical Hdwy	-	-	4.14	-	6.84	6.94
Critical Hdwy Stg 1	-	-	-	-	5.84	-
Critical Hdwy Stg 2	-	-	-	-	5.84	-
Follow-up Hdwy	-	-	2.22	-	3.52	3.32
Pot Cap-1 Maneuver	-	-	807	-	208	593
Stage 1	-	-	-	-	397	-
Stage 2	-	-	-	-	740	-
Platoon blocked, %	-	-		-		
Mov Cap-1 Maneuver	-	-	807	-	203	593
Mov Cap-2 Maneuver	-	-	-	-	314	-
Stage 1	-	-	-	-	397	-
Stage 2	-	-	-	-	721	-

Approach	EB	WB	NB
HCM Control Delay, s	0	0.4	13.1
HCM LOS			B

Minor Lane/Major Mvmt	NBLn1	EBT	EBR	WBL	WBT
Capacity (veh/h)	457	-	-	807	-
HCM Lane V/C Ratio	0.028	-	-	0.026	-
HCM Control Delay (s)	13.1	-	-	9.6	-
HCM Lane LOS	B	-	-	A	-
HCM 95th %tile Q(veh)	0.1	-	-	0.1	-

Intersection	
Int Delay, s/veh	0.2

Movement	EBT	EBR	WBL	WBT	NBL	NBR
Lane Configurations						
Traffic Vol, veh/h	771	4	10	473	5	11
Future Vol, veh/h	771	4	10	473	5	11
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Stop	Stop
RT Channelized	-	None	-	None	-	None
Storage Length	-	-	50	-	0	-
Veh in Median Storage, #	0	-	-	0	0	-
Grade, %	0	-	-	0	0	-
Peak Hour Factor	95	95	95	95	95	95
Heavy Vehicles, %	2	2	2	2	2	2
Mvmt Flow	812	4	11	498	5	12

Major/Minor	Major1		Major2		Minor1	
Conflicting Flow All	0	0	816	0	1085	408
Stage 1	-	-	-	-	814	-
Stage 2	-	-	-	-	271	-
Critical Hdwy	-	-	4.14	-	6.84	6.94
Critical Hdwy Stg 1	-	-	-	-	5.84	-
Critical Hdwy Stg 2	-	-	-	-	5.84	-
Follow-up Hdwy	-	-	2.22	-	3.52	3.32
Pot Cap-1 Maneuver	-	-	807	-	211	593
Stage 1	-	-	-	-	396	-
Stage 2	-	-	-	-	750	-
Platoon blocked, %	-	-		-		
Mov Cap-1 Maneuver	-	-	807	-	208	593
Mov Cap-2 Maneuver	-	-	-	-	317	-
Stage 1	-	-	-	-	396	-
Stage 2	-	-	-	-	740	-

Approach	EB	WB	NB
HCM Control Delay, s	0	0.2	13
HCM LOS			B

Minor Lane/Major Mvmt	NBLn1	EBT	EBR	WBL	WBT
Capacity (veh/h)	466	-	-	807	-
HCM Lane V/C Ratio	0.036	-	-	0.013	-
HCM Control Delay (s)	13	-	-	9.5	-
HCM Lane LOS	B	-	-	A	-
HCM 95th %tile Q(veh)	0.1	-	-	0	-

Intersection	
Int Delay, s/veh	0.7

Movement	EBL	EBT	WBT	WBR	SBL	SBR
Lane Configurations						
Traffic Vol, veh/h	21	450	224	9	10	22
Future Vol, veh/h	21	450	224	9	10	22
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Stop	Stop
RT Channelized	-	None	-	None	-	None
Storage Length	-	-	-	-	0	-
Veh in Median Storage, #	-	0	0	-	0	-
Grade, %	-	0	0	-	0	-
Peak Hour Factor	95	95	95	95	95	95
Heavy Vehicles, %	2	2	2	2	2	2
Mvmt Flow	22	474	236	9	11	23

Major/Minor	Major1		Major2		Minor2	
Conflicting Flow All	245	0	-	0	759	241
Stage 1	-	-	-	-	241	-
Stage 2	-	-	-	-	518	-
Critical Hdwy	4.12	-	-	-	6.42	6.22
Critical Hdwy Stg 1	-	-	-	-	5.42	-
Critical Hdwy Stg 2	-	-	-	-	5.42	-
Follow-up Hdwy	2.218	-	-	-	3.518	3.318
Pot Cap-1 Maneuver	1321	-	-	-	374	798
Stage 1	-	-	-	-	799	-
Stage 2	-	-	-	-	598	-
Platoon blocked, %		-	-	-		
Mov Cap-1 Maneuver	1321	-	-	-	365	798
Mov Cap-2 Maneuver	-	-	-	-	365	-
Stage 1	-	-	-	-	781	-
Stage 2	-	-	-	-	598	-

Approach	EB	WB	SB
HCM Control Delay, s	0.3	0	11.6
HCM LOS			B

Minor Lane/Major Mvmt	EBL	EBT	WBT	WBR	SBLn1
Capacity (veh/h)	1321	-	-	-	582
HCM Lane V/C Ratio	0.017	-	-	-	0.058
HCM Control Delay (s)	7.8	0	-	-	11.6
HCM Lane LOS	A	A	-	-	B
HCM 95th %tile Q(veh)	0.1	-	-	-	0.2

Intersection	
Int Delay, s/veh	0.6

Movement	EBL	EBT	WBT	WBR	SBL	SBR
Lane Configurations						
Traffic Vol, veh/h	13	447	221	15	17	12
Future Vol, veh/h	13	447	221	15	17	12
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Stop	Stop
RT Channelized	-	None	-	None	-	None
Storage Length	-	-	-	-	0	-
Veh in Median Storage, #	-	0	0	-	0	-
Grade, %	-	0	0	-	0	-
Peak Hour Factor	95	95	95	95	95	95
Heavy Vehicles, %	2	2	2	2	2	2
Mvmt Flow	14	471	233	16	18	13

Major/Minor	Major1		Major2		Minor2	
Conflicting Flow All	249	0	-	0	740	241
Stage 1	-	-	-	-	241	-
Stage 2	-	-	-	-	499	-
Critical Hdwy	4.12	-	-	-	6.42	6.22
Critical Hdwy Stg 1	-	-	-	-	5.42	-
Critical Hdwy Stg 2	-	-	-	-	5.42	-
Follow-up Hdwy	2.218	-	-	-	3.518	3.318
Pot Cap-1 Maneuver	1317	-	-	-	384	798
Stage 1	-	-	-	-	799	-
Stage 2	-	-	-	-	610	-
Platoon blocked, %			-	-	-	
Mov Cap-1 Maneuver	1317	-	-	-	379	798
Mov Cap-2 Maneuver	-	-	-	-	379	-
Stage 1	-	-	-	-	788	-
Stage 2	-	-	-	-	610	-

Approach	EB	WB	SB
HCM Control Delay, s	0.2	0	12.9
HCM LOS			B

Minor Lane/Major Mvmt	EBL	EBT	WBT	WBR	SBLn1
Capacity (veh/h)	1317	-	-	-	484
HCM Lane V/C Ratio	0.01	-	-	-	0.063
HCM Control Delay (s)	7.8	0	-	-	12.9
HCM Lane LOS	A	A	-	-	B
HCM 95th %tile Q(veh)	0	-	-	-	0.2

Appendix N - LOS Calculation Worksheets Horizon Year 2050 with Project with Mitigation Conditions

Movement	EBT	EBR	WBL	WBT	NBL	NBR
Lane Configurations						
Traffic Volume (veh/h)	303	73	202	225	27	132
Future Volume (veh/h)	303	73	202	225	27	132
Initial Q (Qb), veh	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)		1.00	1.00		1.00	1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach	No			No	No	
Adj Sat Flow, veh/h/ln	1870	1870	1870	1870	1870	1870
Adj Flow Rate, veh/h	319	77	213	237	28	139
Peak Hour Factor	0.95	0.95	0.95	0.95	0.95	0.95
Percent Heavy Veh, %	2	2	2	2	2	2
Cap, veh/h	1275	303	698	1590	39	195
Arrive On Green	0.45	0.45	0.45	0.45	0.15	0.15
Sat Flow, veh/h	2941	678	988	3647	269	1337
Grp Volume(v), veh/h	197	199	213	237	168	0
Grp Sat Flow(s),veh/h/ln	1777	1748	988	1777	1616	0
Q Serve(g_s), s	1.5	1.6	3.8	0.9	2.2	0.0
Cycle Q Clear(g_c), s	1.5	1.6	5.4	0.9	2.2	0.0
Prop In Lane		0.39	1.00		0.17	0.83
Lane Grp Cap(c), veh/h	795	783	698	1590	235	0
V/C Ratio(X)	0.25	0.25	0.31	0.15	0.71	0.00
Avail Cap(c_a), veh/h	4459	4387	2736	8917	1863	0
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	0.00
Uniform Delay (d), s/veh	3.8	3.8	5.5	3.6	9.0	0.0
Incr Delay (d2), s/veh	0.2	0.2	0.2	0.0	4.0	0.0
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	0.0	0.0	0.1	0.0	0.6	0.0
Unsig. Movement Delay, s/veh						
LnGrp Delay(d),s/veh	4.0	4.0	5.7	3.7	13.0	0.0
LnGrp LOS	A	A	A	A	B	A
Approach Vol, veh/h	396			450	168	
Approach Delay, s/veh	4.0			4.6	13.0	
Approach LOS	A			A	B	

Timer - Assigned Phs	2	4	8
Phs Duration (G+Y+Rc), s	7.7	14.4	14.4
Change Period (Y+Rc), s	4.5	4.5	4.5
Max Green Setting (Gmax), s	25.5	55.5	55.5
Max Q Clear Time (g_c+I1), s	4.2	3.6	7.4
Green Ext Time (p_c), s	0.5	2.3	2.6

Intersection Summary	
HCM 6th Ctrl Delay	5.8
HCM 6th LOS	A

Notes

User approved volume balancing among the lanes for turning movement.

Movement	EBT	EBR	WBL	WBT	NBL	NBR
Lane Configurations						
Traffic Volume (veh/h)	698	84	152	413	70	394
Future Volume (veh/h)	698	84	152	413	70	394
Initial Q (Qb), veh	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)		1.00	1.00		1.00	1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach	No			No	No	
Adj Sat Flow, veh/h/ln	1870	1870	1870	1870	1870	1870
Adj Flow Rate, veh/h	735	88	160	435	74	415
Peak Hour Factor	0.95	0.95	0.95	0.95	0.95	0.95
Percent Heavy Veh, %	2	2	2	2	2	2
Cap, veh/h	1544	185	352	1717	85	478
Arrive On Green	0.48	0.48	0.48	0.48	0.35	0.35
Sat Flow, veh/h	3289	382	665	3647	244	1366
Grp Volume(v), veh/h	408	415	160	435	490	0
Grp Sat Flow(s),veh/h/ln	1777	1802	665	1777	1612	0
Q Serve(g_s), s	8.3	8.3	11.4	3.9	15.3	0.0
Cycle Q Clear(g_c), s	8.3	8.3	19.8	3.9	15.3	0.0
Prop In Lane		0.21	1.00		0.15	0.85
Lane Grp Cap(c), veh/h	858	870	352	1717	564	0
V/C Ratio(X)	0.48	0.48	0.45	0.25	0.87	0.00
Avail Cap(c_a), veh/h	1601	1623	630	3202	974	0
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	0.00
Uniform Delay (d), s/veh	9.3	9.3	16.0	8.2	16.3	0.0
Incr Delay (d2), s/veh	0.4	0.4	0.9	0.1	4.4	0.0
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	2.3	2.3	1.5	1.1	5.2	0.0
Unsig. Movement Delay, s/veh						
LnGrp Delay(d),s/veh	9.8	9.7	16.9	8.3	20.7	0.0
LnGrp LOS	A	A	B	A	C	A
Approach Vol, veh/h	823			595	490	
Approach Delay, s/veh	9.7			10.6	20.7	
Approach LOS	A			B	C	

Timer - Assigned Phs	2	4	8
Phs Duration (G+Y+Rc), s	23.3	30.5	30.5
Change Period (Y+Rc), s	4.5	4.5	4.5
Max Green Setting (Gmax), s	32.5	48.5	48.5
Max Q Clear Time (g_c+I1), s	17.3	10.3	21.8
Green Ext Time (p_c), s	1.6	5.3	4.2

Intersection Summary	
HCM 6th Ctrl Delay	12.8
HCM 6th LOS	B

Notes

User approved volume balancing among the lanes for turning movement.

Appendix O - Traffic Signal Warrant

Figure 4C-103 (CA). Traffic Signal Warrants Worksheet
(Average Traffic Estimate Form)

		COUNT DATE	Horizon + Project
Major St:	Grand Avenue	# of Lanes:	2 or more
Minor St:	Linda Vista Drive	# of Lanes:	1

Speed limit or critical speed on major street traffic > 64 km/h (40 mph) .....

In built up area of isolated community of < 10,000 population.....

or } **RURAL (R)**

URBAN (U)

Major St ADT (Total):	12801	Roadway Type:	Urban
Minor Street ADT (Highest Direction):	2648		

(Based on Estimated Average Daily Traffic - See Note)

CONDITION A - Minimum Vehicular Volume

Satisfied X Not Satisfied

Number of lanes for moving traffic on each approach

Major Street	Minor Street	Minimum Requirements EADT: Vehicles Per Day on Major Street (Total of Both Approaches) Urban	Rural	Vehicles Per Day on Higher-Volume Minor Street Approach (One Direction Only) Urban	Rural
1	1	8000	5,600	2,400	1,680
2 or more	1	9,600	6,720	2,400	1,680
2 or more	2 or more	9,600	6,720	3,200	2,240
1	2 or more	8,000	5,600	3,200	2,240

CONDITION B - Interruption of Continuous Traffc

Satisfied Not Satisfied X

Number of lanes for moving traffic on each approach

Major Street	Minor Street	Vehicles Per Day on Major Street (Total of Both Approaches) Urban	Rural	Vehicles Per Day on Higher-Volume Minor Street Approach (One Direction Only) Urban	Rural
1	1	12,000	8,400	1,200	850
2 or more	1	14,400	10,080	1,200	850
2 or more	2 or more	14,400	10,080	1,600	1,120
1	2 or more	12,000	8,400	1,600	1,120

Combination of CONDITIONS A+B

Satisfied X Not Satisfied

No one condition satisfied, but following conditions fulfilled 80% or More

	110%	89%
	A	B

2 CONDITIONS 80%

2 CONDITIONS 80%

Note: **To be used only for NEW INTERSECTIONS or other locations where it is not reasonable to count**

The satisfaction of a traffic signal warrant or warrants shall not in itself require the installation of a traffic control signal.

Appendix P - Intersection Queueing Reports

Near-Term Year 2024 Base with Project Conditions

Project Driveway #1 & Grand Avenue

AM Peak Hour

HCM 6th LANE	NBLn1	EBT	EBR	WBL	WBT
Capacity (vph)	734	-	-	1229	-
HCM Lane V/C Ratio	0.056	-	-	0.005	-
HCM Control Delay (s)	10.2	-	-	7.945	-
HCM Lane LOS	B	-	-	A	-
HCM 95th Percentile Queue (veh)	0.2	-	-	0	-

PM Peak Hour

HCM 6th LANE	NBLn1	EBT	EBR	WBL	WBT
Capacity (vph)	411	-	-	862	-
HCM Lane V/C Ratio	0.032	-	-	0.025	-
HCM Control Delay (s)	14	-	-	9.284	-
HCM Lane LOS	B	-	-	A	-
HCM 95th Percentile Queue (veh)	0.1	-	-	0.1	-

Project Driveway #2 & Grand Avenue

AM Peak Hour

HCM 6th LANE	NBLn1	EBT	EBR	WBL	WBT
Capacity (vph)	770	-	-	1202	-
HCM Lane V/C Ratio	0.007	-	-	0.006	-
HCM Control Delay (s)	9.7	-	-	8.014	-
HCM Lane LOS	A	-	-	A	-
HCM 95th Percentile Queue (veh)	0	-	-	0	-

PM Peak Hour

HCM 6th LANE	NBLn1	EBT	EBR	WBL	WBT
Capacity (vph)	507	-	-	863	-
HCM Lane V/C Ratio	0.034	-	-	0.013	-
HCM Control Delay (s)	12.4	-	-	9.225	-
HCM Lane LOS	B	-	-	A	-
HCM 95th Percentile Queue (veh)	0.1	-	-	0	-

Project Driveway #3 & Linda Vista Drive

AM Peak Hour

HCM 6th LANE	EBL	EBT	WBT	WBR	SBLn1
Capacity (vph)	1335	-	-	-	720
HCM Lane V/C Ratio	0.011	-	-	-	0.02
HCM Control Delay (s)	7.728	0	-	-	10.1
HCM Lane LOS	A	A	-	-	B
HCM 95th Percentile Queue (veh)	0	-	-	-	0.1

PM Peak Hour

HCM 6th LANE	EBL	EBT	WBT	WBR	SBLn1
Capacity (vph)	1403	-	-	-	670
HCM Lane V/C Ratio	0.016	-	-	-	0.052
HCM Control Delay (s)	7.608	0	-	-	10.7
HCM Lane LOS	A	A	-	-	B
HCM 95th Percentile Queue (veh)	0.1	-	-	-	0.2

Project Driveway #4 & Linda Vista Drive

AM Peak Hour

HCM 6th LANE	EBL	EBT	WBT	WBR	SBLn1
Capacity (vph)	1327	-	-	-	680
HCM Lane V/C Ratio	0.007	-	-	-	0.016
HCM Control Delay (s)	7.733	0	-	-	10.4
HCM Lane LOS	A	A	-	-	B
HCM 95th Percentile Queue (veh)	0	-	-	-	0

PM Peak Hour

HCM 6th LANE	EBL	EBT	WBT	WBR	SBLn1
Capacity (vph)	1400	-	-	-	569
HCM Lane V/C Ratio	0.01	-	-	-	0.055
HCM Control Delay (s)	7.598	0	-	-	11.7
HCM Lane LOS	A	A	-	-	B
HCM 95th Percentile Queue (veh)	0	-	-	-	0.2

Horizon Year 2050 Base with Project Conditions

Project Driveway #1 & Grand Avenue

AM Peak Hour

HCM 6th LANE	NBLn1	EBT	EBR	WBL	WBT
Capacity (vph)	726	-	-	1186	-
HCM Lane V/C Ratio	0.055	-	-	0.005	-
HCM Control Delay (s)	10.2	-	-	8.052	-
HCM Lane LOS	B	-	-	A	-
HCM 95th Percentile Queue (veh)	0.2	-	-	0	-

PM Peak Hour

HCM 6th LANE	NBLn1	EBT	EBR	WBL	WBT
Capacity (vph)	457	-	-	807	-
HCM Lane V/C Ratio	0.028	-	-	0.026	-
HCM Control Delay (s)	13.1	-	-	9.58	-
HCM Lane LOS	B	-	-	A	-
HCM 95th Percentile Queue (veh)	0.1	-	-	0.1	-

Project Driveway #2 & Grand Avenue

AM Peak Hour

HCM 6th LANE	NBLn1	EBT	EBR	WBL	WBT
Capacity (vph)	737	-	-	1160	-
HCM Lane V/C Ratio	0.007	-	-	0.006	-
HCM Control Delay (s)	9.9	-	-	8.123	-
HCM Lane LOS	A	-	-	A	-
HCM 95th Percentile Queue (veh)	0	-	-	0	-

PM Peak Hour

HCM 6th LANE	NBLn1	EBT	EBR	WBL	WBT
Capacity (vph)	466	-	-	807	-
HCM Lane V/C Ratio	0.036	-	-	0.013	-
HCM Control Delay (s)	13	-	-	9.52	-
HCM Lane LOS	B	-	-	A	-
HCM 95th Percentile Queue (veh)	0.1	-	-	0	-

Project Driveway #3 & Linda Vista Drive

AM Peak Hour

HCM 6th LANE	EBL	EBT	WBT	WBR	SBLn1
Capacity (vph)	1280	-	-	-	658
HCM Lane V/C Ratio	0.012	-	-	-	0.021
HCM Control Delay (s)	7.845	0	-	-	10.6
HCM Lane LOS	A	A	-	-	B
HCM 95th Percentile Queue (veh)	0	-	-	-	0.1

PM Peak Hour

HCM 6th LANE	EBL	EBT	WBT	WBR	SBLn1
Capacity (vph)	1321	-	-	-	582
HCM Lane V/C Ratio	0.017	-	-	-	0.058
HCM Control Delay (s)	7.772	0	-	-	11.6
HCM Lane LOS	A	A	-	-	B
HCM 95th Percentile Queue (veh)	0.1	-	-	-	0.2

Project Driveway #4 & Linda Vista Drive

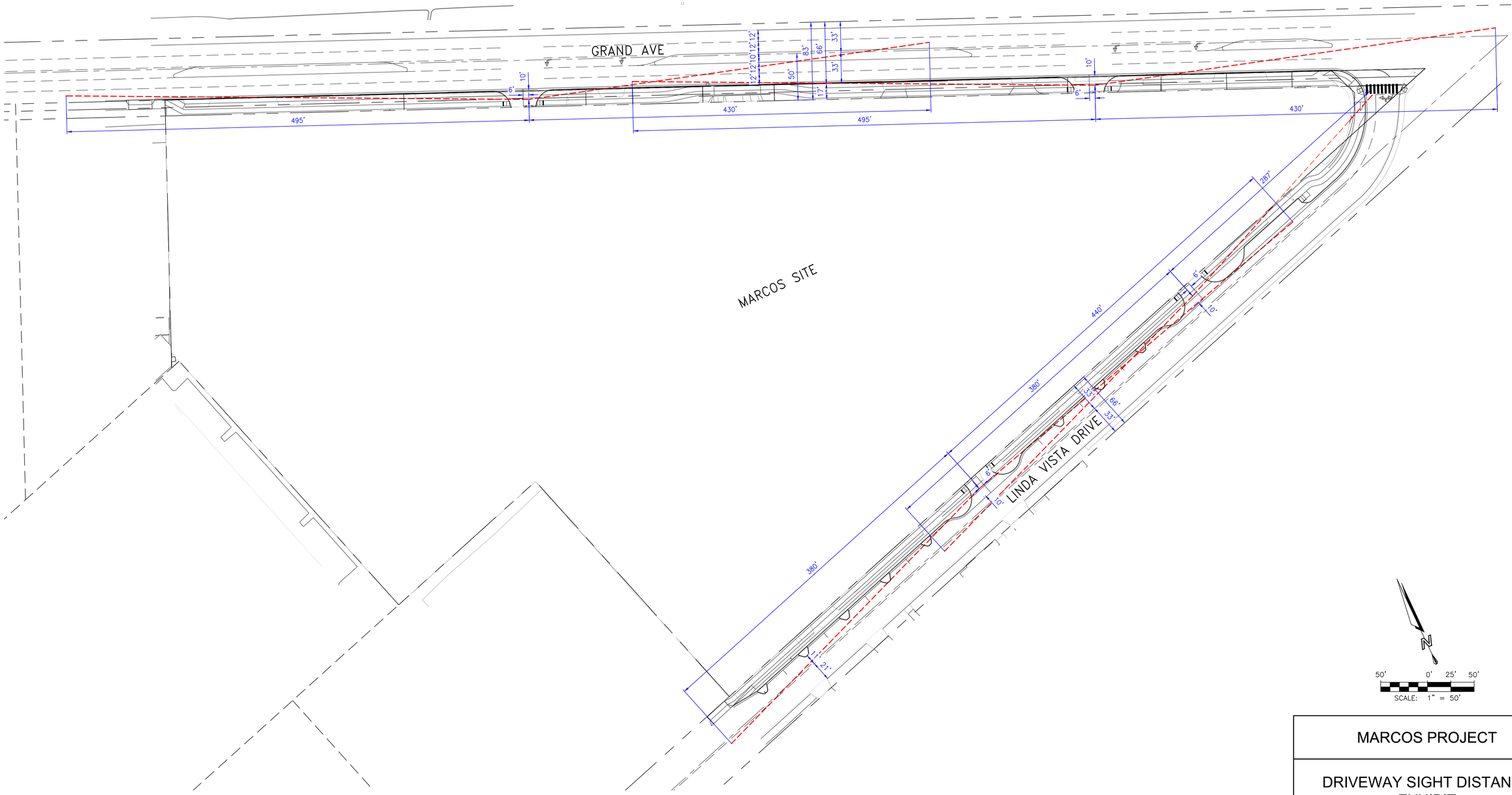
AM Peak Hour

HCM 6th LANE	EBL	EBT	WBT	WBR	SBLn1
Capacity (vph)	1272	-	-	-	619
HCM Lane V/C Ratio	0.007	-	-	-	0.017
HCM Control Delay (s)	7.851	0	-	-	10.9
HCM Lane LOS	A	A	-	-	B
HCM 95th Percentile Queue (veh)	0	-	-	-	0.1

PM Peak Hour

HCM 6th LANE	EBL	EBT	WBT	WBR	SBLn1
Capacity (vph)	1317	-	-	-	484
HCM Lane V/C Ratio	0.01	-	-	-	0.063
HCM Control Delay (s)	7.762	0	-	-	12.9
HCM Lane LOS	A	A	-	-	B
HCM 95th Percentile Queue (veh)	0	-	-	-	0.2

Appendix Q - Sight Distance Exhibit



MARCOS PROJECT

DRIVEWAY SIGHT DISTANCE EXHIBIT

FUSCOE ENGINEERING
6390 Greenwich Dr., Suite 170
San Diego, California 92122
tel 858.554.1500 ◦ fax 858.597.0335
www.fuscoe.com

JOB NO. 1960-001

DRAWN BY: KK

SHEET 1 of 1

Appendix H-2

Vehicle Miles Traveled Analysis
Technical Memorandum

TO: Jonathan Quezada, MPA, EIT; City of San Marcos

FROM: Jonathan Sanchez, PE, TE, PTOE; CR Associates
Cristian Belmudez; CR Associates

DATE: March 13, 2023

RE: San Marcos Artist's Village – Vehicle Miles Traveled (VMT) Analysis Technical Memorandum

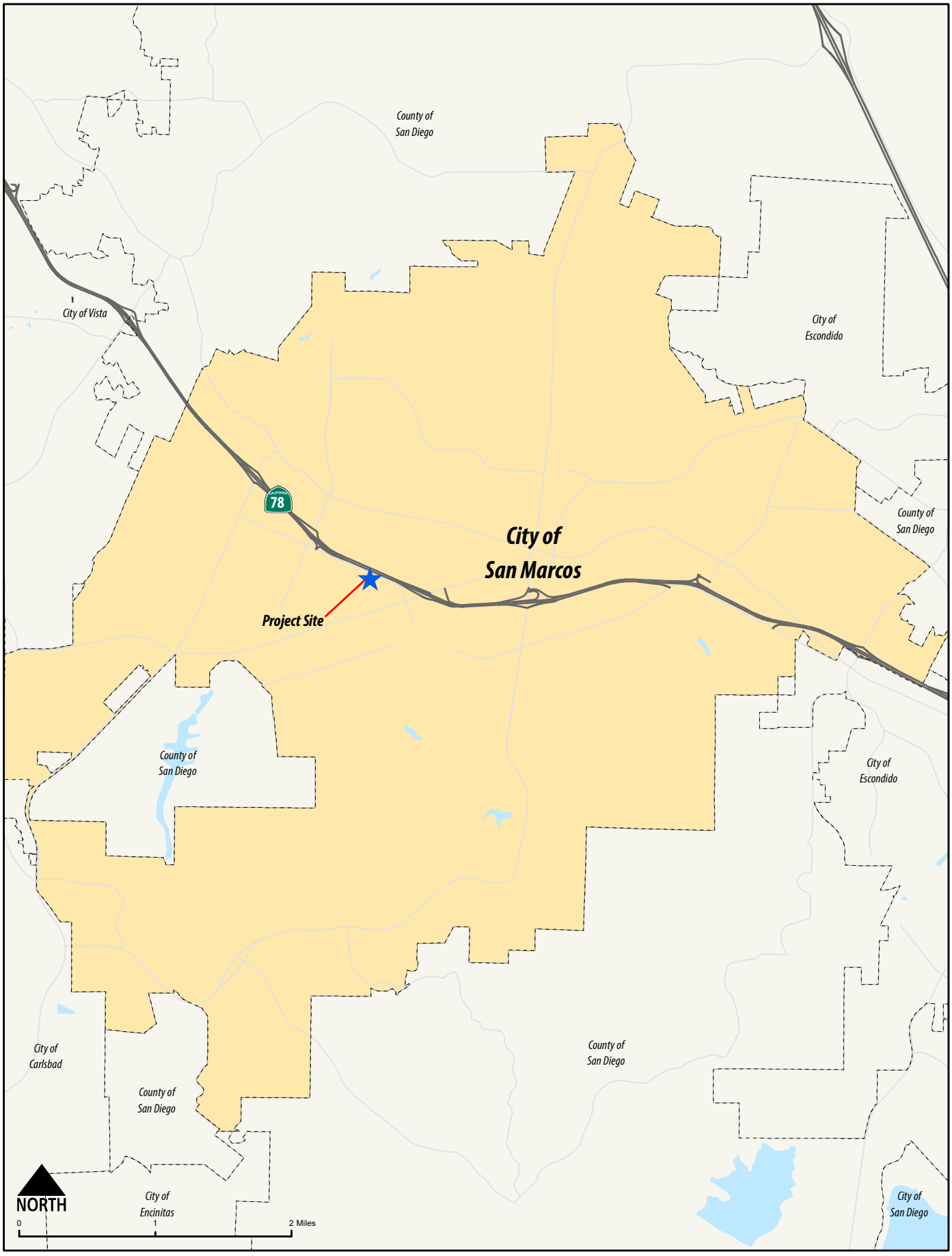
This technical memorandum documents the results of the SB-743 compliant transportation impact analysis conducted for the proposed San Marcos Artist's Village project (the "Proposed Project"). The analysis is based on the recently revised (January 2019) State California Environmental Quality Act (CEQA) Guidelines and the City of San Marcos Transportation Impact Analysis Guidelines (TIAG) Guidelines dated November 16, 2020.

Project Description

The Project is a mixed-use development on 10.03 acres (4.5 acres of residential uses and 5.53 acres of office/retail uses) located at the northwest corner of Linda Vista Road and Grand Avenue in the City of San Marcos. The Project proposes to construct 102 multi-family dwelling units (on west end of project) as well as 7 live/work units (on east end of project) on approximately 4.5 acres. Live/work units are units consisting of a residential and commercial/office component, where a resident is able to both live and work. Additionally, the Project proposes to construct 7,658 square feet (SF) of office space and 49,266 SF of specialty retail space on approximately 5.53 acres. It should be noted that the office space is intended for single tenant and the retail space is not intended to be occupied by grocery store uses or similar uses.

The property is bordered by Grand Avenue on the northeast side, Linda Vista Road on the southeast side, and industrial land uses to the west. Per the City's General Plan, the site is designated as a Commercial (C) land use and thus the Project, being a mixed-use development, is inconsistent with the General Plan and zoning designation. However, the project applicant is processing a General Plan Amendment (GPA) to adjust the zoning to "Mixed-Use" in order to be consistent with the General Plan. The Project's assumed opening year is Year 2024.

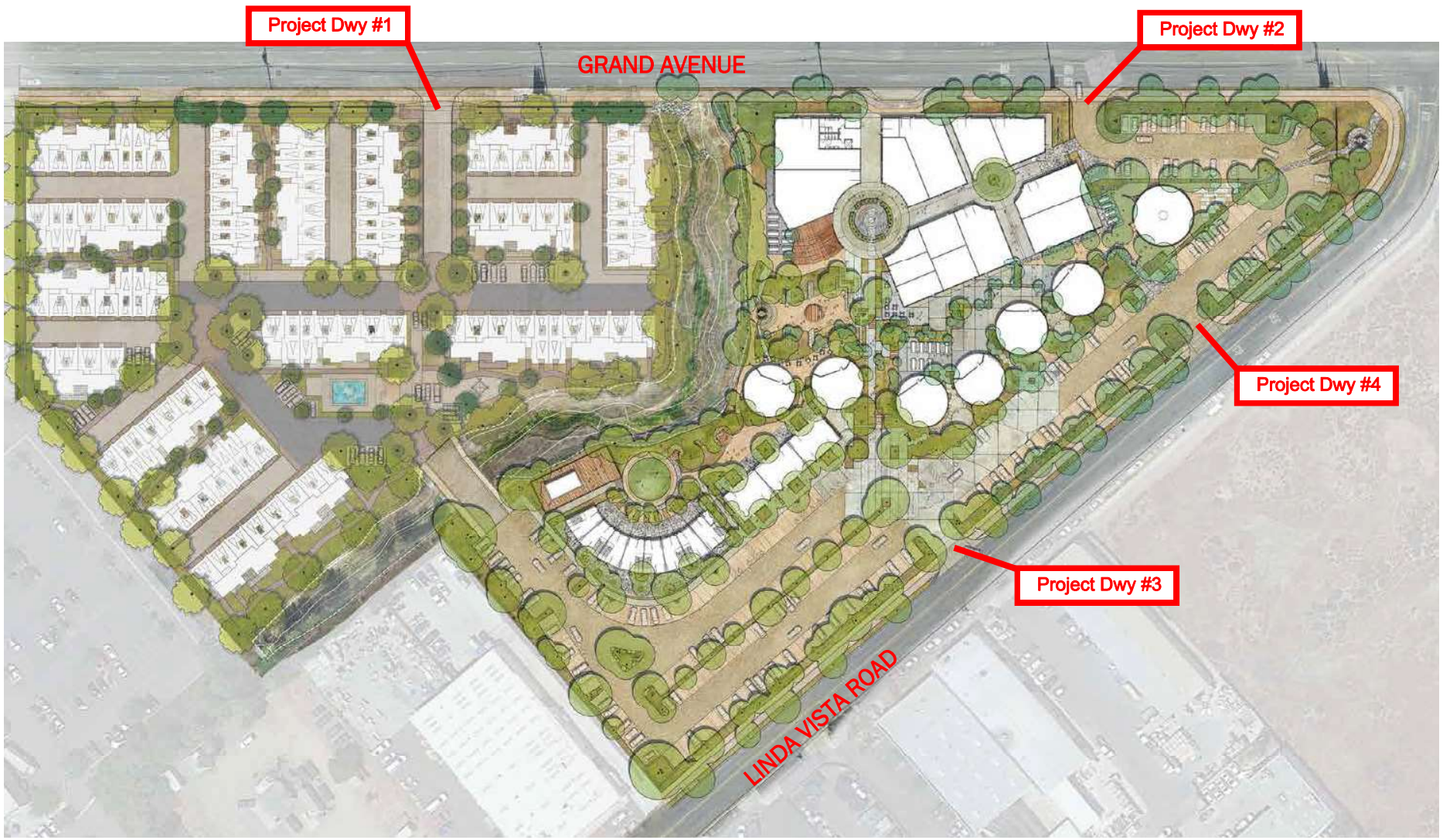
Figure 1 displays the Project's regional location. Figure 1 displays the project site plan.



San Marcos Artist's Village
Local Transportation Analysis

C+R

Figure 1
Project Regional Location



San Marcos Artist's Village
Local Transportation Analysis

Figure 2
Project Site Plan

Project Trip Generation

Per the City's TIAG, trip generation rates were derived from the SANDAG's (not so) Brief Guide to Vehicular Traffic Generation Rates for the San Diego Region (April 2002). **Table 1** displays the projected daily, as well as AM and PM peak hour, project trip generation.

As shown, the Proposed Project is anticipated to generate a net total of 2,241 daily trips, including 126 trips (60-in/62-out) during the AM peak hour and 189 (101-in/89-out) during the PM peak hour.

Analysis Methodology

On September 27, 2013, Governor Edmund G. Brown, Jr. signed SB-743 into law, starting a process that fundamentally changes the way transportation impact analysis is conducted under CEQA. Related revisions to the State's CEQA Guidelines include elimination of auto delay, level of service (LOS), and similar measurements of vehicular roadway capacity and traffic congestion as the basis for determining significant impacts, and replacement with Vehicle Miles Traveled (VMT) as the preferred CEQA transportation metric.

In December 2018, the California Resources Agency certified and adopted revised CEQA Guidelines, including the new section 15064.3. Under Section 15064.3, vehicle miles traveled (VMT), which includes the amount and distance of automobile traffic attributable to a project, is identified as the "most appropriate measure of transportation impacts." As of July 1, 2020, all CEQA lead agencies must analyze a project's transportation impacts using VMT. On November 16, 2020, the City of San Marcos adopted its Transportation Impact Analysis Guidelines.

Screening Thresholds

Many agencies use these screening thresholds to quickly identify when a project should be expected to cause a less-than-significant impact without conducting a detailed study. The TIAG suggest that a detailed transportation VMT analysis applies to all land development projects, except those that meet at least one of the screening criteria. Relevant screening criteria for the Proposed Project is described below:

- *Presumption of Less Than Significant Impact for Affordable Residential Development* – Residential projects with 100 percent deed restricted affordable housing can be presumed to have a less-than-significant transportation impact and would not require a detailed VMT analysis. If a project contains less than 100 percent affordable housing, the portion that is affordable should be screened out of requiring a detailed VMT analysis. Projects can only be screened out if they are located in parts of the city that have been identified by SANDAG and the City as Smart Growth Opportunity Areas. For mixed-use projects, this screening criteria should be applied to the residential component separately to determine if that portion of the project screens out of a detailed VMT analysis.
- *Local-Serving Retail* - Retail projects that have 50,000 square feet gross floor area or less can be presumed to have a less than-significant transportation impact and would not require a detailed VMT analysis. For a mixed-use project, this screening criteria should be applied to the retail/commercial component separately to determine if that portion of the project screens out of a detailed VMT analysis.

Table 1 – Project Trip Generation

Land Use	Units	Trip Rate	ADT	AM Peak Hour					PM Peak Hour				
				%	Trips	Split	In	Out	%	Trips	Split	In	Out
Residential													
Multi-Family (>20 DU/acre)	109 DU	6/DU	654	8%	53	2:8	11	42	9%	59	7:3	41	18
Employment/Office													
Single Tenant Office	7,658 SF	14/KSF	108	15%	17	9:1	15	2	15%	17	2:8	3	14
Commercial/Retail													
Specialty Retail Center/Strip Commercial	49,266 SF	40/KSF	1,971	3%	60	6:4	36	24	9%	178	5:5	89	89
		Subtotal	2,733	-	130	-	62	68	-	254	-	133	121
	Internal Capture[1] (18%[2])		-492	-	-4	-	-2	-2	-	-64	-	-32	-32
		Net Total	**2,241**	**-**	**126**	**-**	**60**	**62**	**-**	**189**	**-**	**101**	**89**

Source: CR Associates (2023)

Notes:

[1] Internal capture was calculated using ITE's trip reduction calculator, which is based on the NCHRP Report 664 *Enhancing Internal Trip Capture Estimation for Mixed-Use Developments*. See **Appendix E** for more details.

[2] $1 - [(AM_{Net\ Total} + PM_{Net\ Total})/(AM_{Subtotal} + PM_{Subtotal})] = 1 - [(126 + 189)/(130 + 254)] = 18\%$

DU = Dwelling Unit.

KSF = 1,000 Square Feet

- *Map-Based Screening for Residential and Office Projects* – Residential and employment projects that are proposed in areas that generate VMT below adopted City thresholds can be presumed to have a less-than-significant transportation impact and would not require a detailed VMT analysis. This determination must be made using SANDAG's online residential and employment VMT maps for existing year or model baseline year VMT (whichever is available at the time analysis is being conducted), which show census tracts in the city where the VMT is below the regional average. The following types of projects could be screened out using this approach:
    - Residential projects proposed in census tracts with residential VMT per capita below the City's threshold of exceeding 85 percent of the SANDAG regional average.

  In order to utilize this screening approach, the project must incorporate similar land use characteristics to other projects in the census tract. For mixed-use projects, this screening criteria should be applied to the residential and employment components separately to determine if any portions of the project screen out of a detailed VMT analysis.

Since the Project would be composed of a mix of land uses, each component was evaluated independently per land use type. The screening criteria evaluation for each component is detailed below:

- Residential Component – Per Section 2.1.2.5 of the City's TIAG, the Project is located in an efficient VMT/capita area, as shown in **Figure 3**. Therefore, the residential component of the Project is deemed to have a less-than-significant impact and no further VMT analysis is required.
- Office Component – Per Section 2.1.2.5 of the City's TIAG, the Project's office component is not located in an efficient VMT/employee area, as shown in **Figure 4**. Therefore, the office component of the Project would not be screened out from completing detailed VMT analysis.
- Retail Component – Per Section 2.1.2.3 of the City's TIAG, the Project consists of less than 50,000 SF of retail and considered "local-serving retail". Therefore, the retail component of the Project is deemed to have a less-than-significant impact and no further VMT analysis is required.

Figure 3 – VMT Per Resident

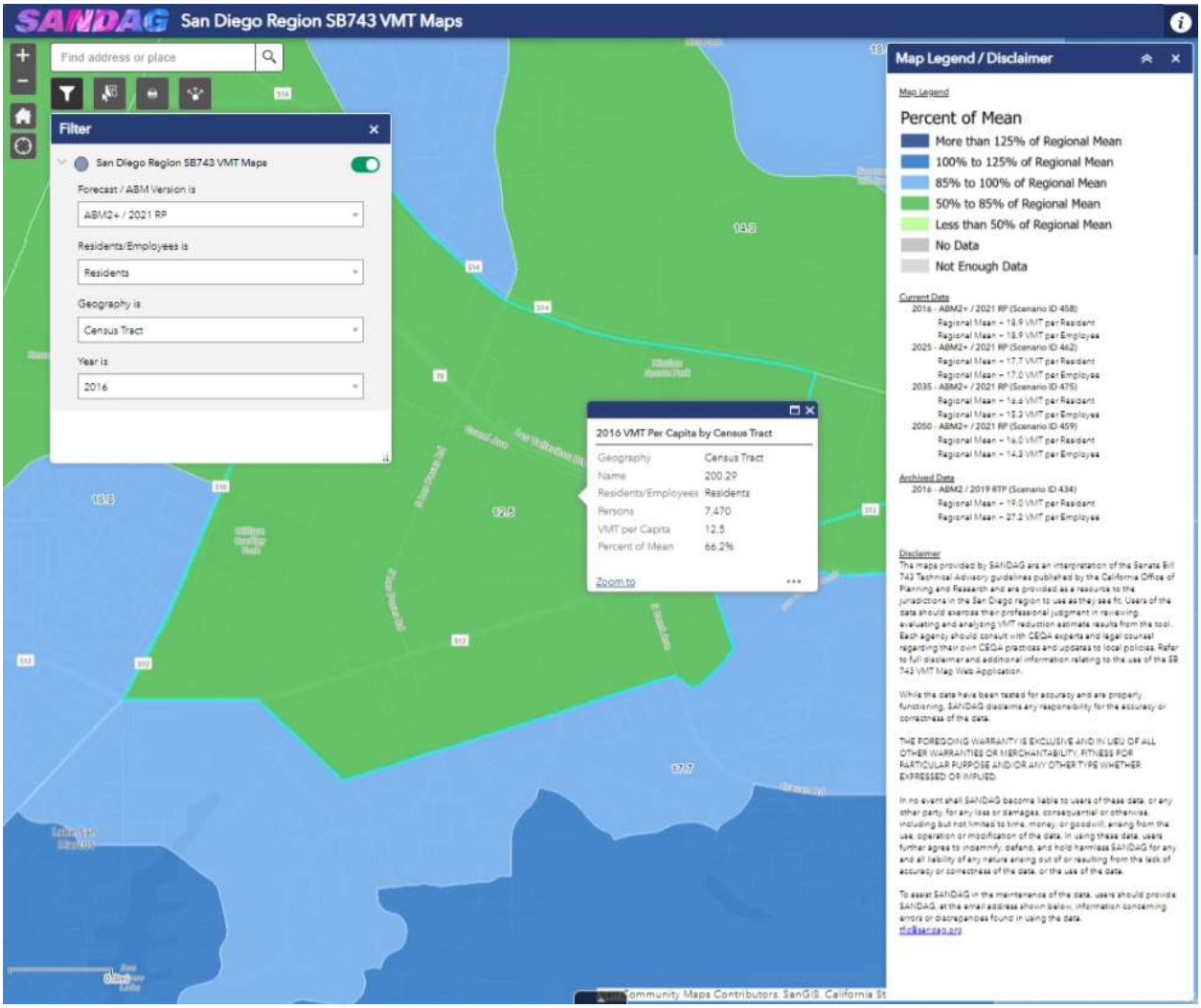
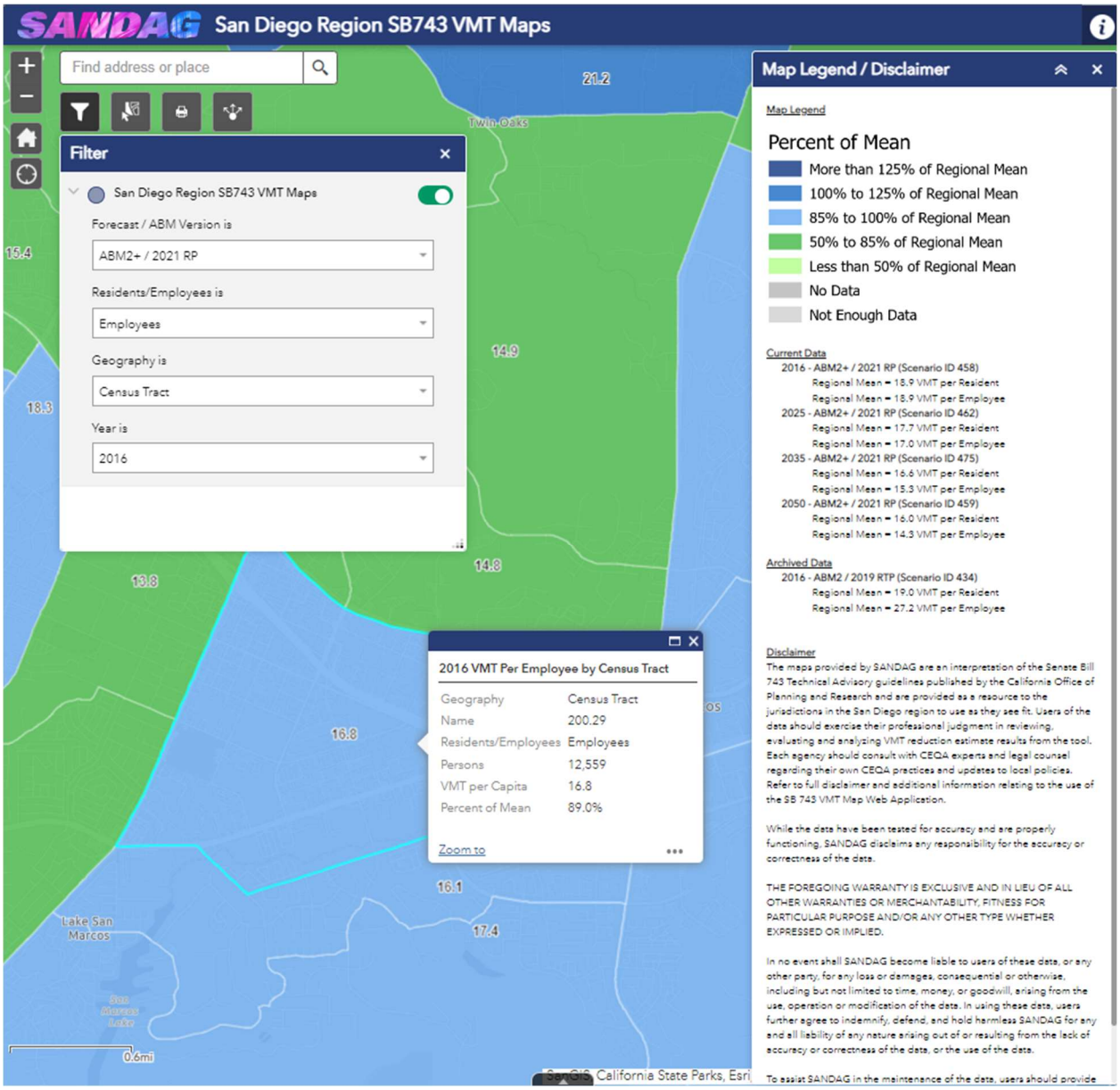


Figure 4 – VMT per Employee



VMT Analysis

Analysis Metrics

Consistent with the City's TIAG, the office component of the Proposed Project shall be analyzed using the VMT per employee metric. When determining potentially significant impacts using efficiency metrics, such as VMT per employee, the following analysis methods should be used:

- The project's VMT per employee should be looked up using the latest SANDAG online mapping tool and the census tract containing the project site, or should be generated for the project TAZ if the latest version of the base year SANDAG travel demand model has been run to include the project.
- The existing countywide averages for VMT per employee are determined using the SANDAG online mapping tool or the latest version of the base year SANDAG travel demand model.
- An employee project is determined to have a significant impact if the project generates VMT per employee exceeding a level of 15 percent below the existing countywide average.

VMT per employee was obtained from the latest SANDAG VMT screening maps, displayed previously in Figure 4. The existing countywide average for VMT per employee was determined using the SANDAG Series 14 ABM2+/2021 RP Year 2016 Base model. **Table 2** summarizes the VMT analysis results.

Table 2 - VMT Impact Analysis – Office Component

Metric	VMT per Employee
Regional Average	18.90[1]
Significant Impact Threshold (85%)	16.07[2]
Proposed Project	16.80[1]
Significant Impact	Yes

Source: CR Associates (2023)

Notes:
[1] Source = SANDAG Series 14 ABM2+/2021 RP Year 2016 Base Model
[2] Regional Average x 85%

As shown, the Proposed Project is anticipated to generate a VMT per employee of 16.80 miles, which exceeds the significance threshold of 16.07 miles. Therefore, the Proposed Project would have a significant VMT impact and mitigation measures are required to reduce the VMT per employee.

VMT Mitigation

The VMT per employee for the office component of the Proposed Project is not anticipated to fall under the significant threshold as the project site is located in an area primarily composed of industrial and commercial land uses where employees travel longer-than-average distances for work compared to the region. As noted in the VMT analysis, the Project would have a significant VMT impact and mitigation measures are required to reduce the VMT per employee. The Project's total VMT per employee is 16.80 miles. To mitigate the Project's VMT to less than significant levels, mitigation measures would need to reduce the total VMT per employee by 4.4% from 16.80 miles to 16.07 miles.

To reduce the average VMT per employee, it is recommended that the Project implements a Transportation Demand Management (TDM) Program. A TDM program would facilitate increased opportunities for walking and bicycling, as well as provide the resources, means, and incentives for ridesharing and carpooling. The California Air Pollution Control Officers Association (CAPCOA) Handbook for Analyzing Greenhouse Gas Emission Reductions, Assessing Climate Vulnerabilities, and Advancing Health and Equity (CAPCOA Report) was taken into consideration initially, however, the SANDAG Mobility Management Guidebook/VMT Reduction Tool was determined more appropriate as it identifies several measures that specifically target employee VMT.

Based on discussion with the project applicant, the property managers of the office component of the Project will provide transit information to the tenants and make a good faith effort in offering transit passes or fares. Rideshare and micro mobility parking will be provided on site, as well as bicycle racks. Tenants within the office areas will be encouraged to implement telecommuting, flexible work schedules, and/or compressed work weeks. Additionally, a preferential parking permit program will be implemented.

The above strategies would satisfy the following SANDAG VMT Reduction Tool measure:

- 1A – Voluntary Employer Commute Program – 5.4% employee reduction with 100% employee eligibility.

See **Attachment A** for details on the VMT reduction calculation. **Table 3** summarizes the Project's trip reductions and mitigation results.

Table 3 – Project VMT Mitigation

VMT/Employee	Threshold	Mitigation Measure	VMT/Employee Reduction	Net VMT/Employee	Mitigated?
16.80	16.07	SANDAG 1A	-5.4%	15.89	Yes

Source: CR Associates (2023)

Notes:
[1] SANDAG Series 14 ABM2+/2021 RP Year 2016 Base Model (Figure 3)
[2] Regional Average x 85%
[3] [Net VMT per Resident] = [VMT per Resident] X [VMT per Resident Reduction]

Based on the VMT reduction results, implementation of the TDM Program is anticipated to reduce the VMT per employee generated by 5.4%. Thus, with the implementation of the TDM program, the Project is anticipated to generate 15.89 VMT per employee (16.80 VMT per employee * (1- 0.054)). The resulting 15.89 miles per employee does not exceed the 16.07 threshold. Therefore, since the mitigation measures would reduce the VMT per employee to less than significant levels, the impact is mitigated, and the Project is considered to have a less than significant impact.

Attachment A - VMT Reduction Calculations

MOBILITY MANAGEMENT VMT REDUCTION CALCULATOR TOOL

Return to Main

Project Information

Project Name (optional):	**San Marcos Mixed Use**
Project Address (optional):	
Project Type (optional):	**Other**
If Other, please describe:	**Office**
Scale of Analysis:	**Project/Site**
Analysis Location:	**San Marcos**
CPA (if applicable):	**n/a**

Project/Site Results

Project-Level Strategies		VMT Type	Change in VMT	Exclusions
Employer Commute Trip Reduction Programs				
1A	Voluntary Employer Commute Program	Employee commute trips	-5.4%	
1B	Mandatory Employer Commute Program	Employee commute trips		Strategy 1A selected
1C	Employer Carpool Program	Employee commute trips		Included in 1A or 1B
1D	Employer Transit Pass Subsidy	Employee commute trips		Included in 1A or 1B
1E	Employer Vanpool Program	Employee commute trips		Included in 1A or 1B
1F	Employer Telework Program	Employee commute trips		
Land Use Strategies				
2A	Transit Oriented Development	Project-generated trips		
2B	Mixed Use Development	Project-generated trips		
Parking Management				
3A	Parking Pricing	Project-generated trips		
3B	Parking Cash Out	Employee commute trips		

Employee Commute Trips - Total Change in VMT	**-5.4%**
Project-Generated Trips - Total Change in VMT	

Citations for all Project-Level Strategies

1A. Voluntary Employer Commute Program
(1). California Air Pollution Control Officers Association. 2010. "Quantifying Greenhouse Gas Mitigation Measures." www.capcoa.org/wp-content/uploads/2010/11/CAPCOA-Quantification-Report-9-14-Final.pdf

(2). Cambridge Systematics. 2009. "Moving Cooler: An Analysis of Transportation Strategies for Reducing Greenhouse Gas Emissions." Technical Appendices. Prepared for the Urban Land Institute. www.reconnectingamerica.org/assets/Uploads/2009movingcoolerexecsumandappend.pdf
(3). Boarnet, Marlon G., Hsin-Ping Hsu, and Susan Handy. 2014. "Impacts of Employer-Based Trip Reduction Programs and Vanpools on Passenger Vehicle Use and Greenhouse Gas Emissions: Policy Brief." www.arb.ca.gov/cc/sb375/policies/ebtr/ebtr_brief.pdf

1B. Mandatory Employer Commute Program
(1). California Air Pollution Control Officers Association. 2010. "Quantifying Greenhouse Gas Mitigation Measures." www.capcoa.org/wp-content/uploads/2010/11/CAPCOA-Quantification-Report-9-14-Final.pdf

(2). City of South San Francisco. 2015. "2015 Genentech Annual Report." http://ci-ssf-ca.granicus.com/MetaViewer.php?view_id=2&clip_id=859&meta_id=62028

(3). Cambridge Systematics. 2009. "Moving Cooler: An Analysis of Transportation Strategies for Reducing Greenhouse Gas Emissions." Technical Appendices. Prepared for the Urban Land Institute. www.reconnectingamerica.org/assets/Uploads/2009movingcoolerexecsumandappend.pdf

1C. Employer Carpool Program
(1). Ewing, R. 1993. "TDM, Growth Management and the Other Four out of Five Trips." Transportation Quarterly, Vol. 48, No. 3.
(2). Victoria Transport Policy Institute. "Ridesharing: Carpooling and Vanpooling." TDM Encyclopedia. www.vtpi.org/tdm/tdm34.htm

(3). California Air Pollution Control Officers Association. 2010. "Quantifying Greenhouse Gas Mitigation Measures." www.capcoa.org/wp-content/uploads/2010/11/CAPCOA-Quantification-Report-9-14-Final.pdf

(4). New York State Department of Transportation. 2019. Data from 511NYRideshare program participants.

1D. Employer Transit Pass Subsidy
(1). Nelson Nygaard. 2010. "Santa Monica LUCE Trip Reduction Impacts Analysis." City of Santa Monica Land Use and Circulation Element, Final EIR. www.smgov.net/Departments/PCD/Plans/2010-Land-Use-and-Circulation-Element/
(2). Transportation Research Board. 2010. "TCRP Report 95 Chapter 19: Employer and Institutional TDM Strategies." www.trb.org/Publications/TCRPReport95.aspx

(3). Boarnet, Marlon G., Hsin-Ping Hsu, and Susan Handy. 2014. "Impacts of Employer-Based Trip Reduction Programs and Vanpools on Passenger Vehicle Use and Greenhouse Gas Emissions: Policy Brief." www.arb.ca.gov/cc/sb375/policies/ebtr/ebtr_brief.pdf

1E. Employer Vanpool Program
(1). SANDAG. 2018. Commute Behavior Survey.
(2). SANDAG. 2016. Activity Based Model. (v14.0.1, scenario ID 232)
(3). SANDAG. 2018. SANDAG Vanpool Program
(4). Transportation Research Board. 2005. "TCRP Report 95 Chapter 5 Buspools and Vanpools." www.trb.org/Publications/TCRPReport95.aspx
(5). New York State Department of Transportation. 2019. Data from 511NYRideshare program participants.

1F. Employer Telework Program
(1). Cambridge Systematics. 2009. "Moving Cooler: An Analysis of Transportation Strategies for Reducing Greenhouse Gas Emissions." Technical Appendices. Prepared for the Urban Land Institute. www.reconnectingamerica.org/assets/Uploads/2009movingcoolerexecsumandappend.pdf
(2). California Air Pollution Control Officers Association. 2010. "Quantifying Greenhouse Gas Mitigation Measures." www.capcoa.org/wp-content/uploads/2010/11/CAPCOA-Quantification-Report-9-14-Final.pdf

2A. Transit Oriented Development
(1). Tal, G., et al. 2013. "Technical Background Document on the Impacts of Transit Access (Distance to Transit) Based on a Review of the Empirical Literature." www.arb.ca.gov/cc/sb375/policies/transitservice/transit_brief.pdf
(2). SANDAG. 2016. Activity Based Model. (v14.0.1, scenario ID 232)

(3). Lund, H., et al. 2004. "Travel Characteristics of Transit-Oriented Development in California." www.bart.gov/sites/default/files/docs/Travel_of_TOD.pdf

2B. Mixed Use Development
(1). SANDAG. 2016. Land Use Inventory (SPACECORE).
(2). Ewing, R., and Cervero, R. 2010. "Travel and the Built Environment - A Meta-Analysis." Journal of the American Planning Association.
(3). California Air Pollution Control Officers Association. 2010. "Quantifying Greenhouse Gas Mitigation Measures." www.capcoa.org/wp-content/uploads/2010/11/CAPCOA-Quantification-Report-9-14-Final.pdf

3A. Parking Pricing
(1). Transportation Research Board. 2009. "TCRP Report 95 Chapter 13 Parking Pricing and Fees". p13-4. www.trb.org/Publications/TCRPReport95.aspx
(2). Cambridge Systematics. 2009. "Moving Cooler: An Analysis of Transportation Strategies for Reducing Greenhouse Gas Emissions." Technical Appendices. Prepared for the Urban Land Institute.

3B. Parking Cash Out
(1). California Air Resources Board. 2009. "California's Parking Cash-Out Program: An Informational Guide for Employers." www.arb.ca.gov/planning/tsaq/cashout/cashout_guide_0809.pdf
(2). Shoup, Donald C. 2005. "Parking Cash Out." Planners Advisory Service, American Planning Association. http://shoup.bol.ucla.edu/ParkingCashOut.pdf

Because the user has calculated the VMT reduction for this strategy, the results for 1B will be excluded from the Results Summary total.

1A. Voluntary Employer Commute Program

Level of application: **Project/Site**
Type of VMT affected: **Employee commute trips**
Max VMT reduction: **6.2%**

Return to Main
Results Summary

Description: Employer offers a voluntary employer commute trip reduction program. The program may include a carpool or vanpool program, subsidized or discounted transit passes, bike amenities, commute trip reduction marketing, and preferential parking permit program. **This strategy encompasses strategies 1C (Employer Carpool Program), 1D (Employer Transit Pass Subsidy), and 1E (Employer Vanpool Program) and cannot be analyzed in combination with these strategies.** Unlike strategy 1B (Mandatory Employer Commute Program), this strategy does not require monitoring, reporting, or performance standards. **If this strategy is selected, strategy 1B cannot be analyzed as part of the total VMT reduction.**

Is the program contractually required of the developer or property owner and accompanied by a regular performance monitoring and reporting program?	no	user input, source (1)
Place type of project/site	suburban center	user input
% of employees eligible	100%	user input
% change in commute VMT	-5.4%	coefficient, source (2, 3)
Change in VMT	**-5.4%**	☐ Exclude from Results

Formula: % Change in VMT = % of employees eligible * % change in commute VMT

Sources:

(1). California Air Pollution Control Officers Association. 2010. "Quantifying Greenhouse Gas Mitigation Measures." www.capcoa.org/wp-content/uploads/2010/11/CAPCOA-Quantification-Report-9-14-Final.pdf

(2). Cambridge Systematics. 2009. "Moving Cooler: An Analysis of Transportation Strategies for Reducing Greenhouse Gas Emissions." Technical Appendices. Prepared for the Urban Land Institute. www.reconnectingamerica.org/assets/Uploads/2009movingcoolerexecsumandappend.pdf

(3). Boarnet, Marlon G., Hsin-Ping Hsu, and Susan Handy. 2014. "Impacts of Employer-Based Trip Reduction Programs and Vanpools on Passenger Vehicle Use and Greenhouse Gas Emissions: Policy Brief." www.arb.ca.gov/cc/sb375/policies/ebtr/ebtr_brief.pdf

Appendix I
Preliminary Drainage Study

FUSCOE ENGINEERING

PRELIMINARY DRAINAGE STUDY MARCOS

PREPARED FOR
CALIFORNIA PACIFIC HOMES, INC
AOA SAN MARCOS, LLC

FUSCOE ENGINEERING, INC.
6390 Greenwich Dr, Suite 170
San Diego, CA 921226
858.554.1500
www.fuscoe.com

PROJECT MANAGER
Kenneth Kozlik PE

DATE PREPARED:
May 2023

PROJECT NUMBER: 1960.01

full circle thinking®

PRELIMINARY DRAINAGE STUDY

Marcos

TSM 22-0002
PROJECT ADDRESS: Grand Avenue and Linda Vista Drive
APN: 219-152-42, 44, 45, 51, 61, 70, 75, 76, 77, 78, 79

SAN MARCOS, CA

Prepared By:

Kenneth T. Kozlik, PE RCE 71883 EXP: 12-31-23

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949-833-6104
and
AOA San Marcos, LLC
709 Randolph Avenue
Costa Mesa, CA 92626
714-966-6661

May 2023

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3.1 DATUM 6

4.0 CALCULATIONS/RESULTS 6

5.0 SUMMARY AND CONCLUSIONS 7

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Appendix 2: Soils Map
Appendix 3: AES Existing Hydrology Analysis
Appendix 4: AES Proposed Hydrology Analysis
Appendix 5: Detention Analysis
Appendix 6: Existing and Proposed Hydrology Exhibits
Appendix 7: Excerpts from Channel Improvement Plan As-Built Drawings

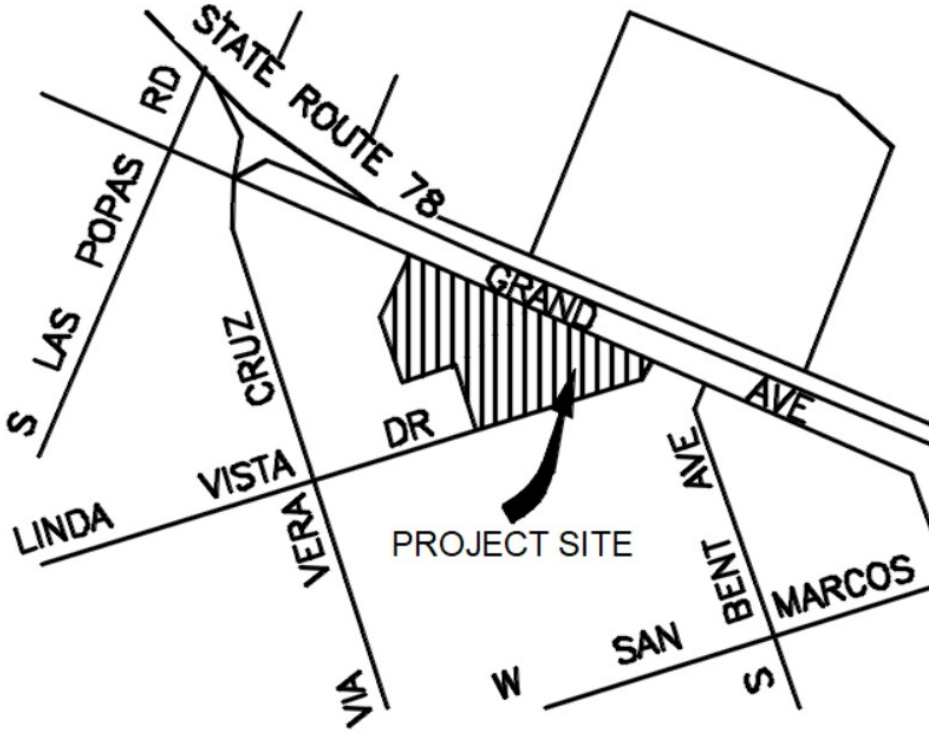


Figure 1 Vicinity Map

1.0 PROJECT DESCRIPTION

The Marcos project consists of approximately 10.8 acres near the southwest corner of the Linda Vista Drive and Grand Avenue intersection in the city of San Marcos, California. The project is bisected by a channel which separates the project into two development areas. The 5.0 acres north of the channel will be used to develop 102 condominium residential units while the 5.8 acres south of the channel will be developed for commercial and mixed use.

2.0 SITE INFORMATION

The following sections summarize the site conditions which relate to drainage and hydromodification, including the geotechnical conditions, drainage basins, and the low flow threshold determination.

2.1 GEOTECHNICAL CONDITIONS

The Hydrologic Soils Group for the project was determined from the SANGIS Hydromod BMP Website. The site for this project is a mix of Hydrologic Soil Group C and Group D.

Please refer to Appendix 2 for the custom soils map.

2.2 BASIN DESCIPTION

The existing site consists of two development area that were previously commercial pads but have had the buildings demolished. From an aerial view, both areas visually appear flat. The channel was recently improved by the City of San Marcos (CIP Project Code 88214, "Grand Avenue Drainage / Road Improvements", IP-4826 and VWD no. 201930). The channel improvement drawings have been provided in Appendix 7 for reference. Each development area had new storm drain added to collect runoff from the pads and discharge into the improved channel. A bridge was constructed to link the two development areas as well.

Upon closer inspection of the topography shown on the Existing Hydrology Exhibit in Appendix 6, one can see that there are some subtle flow paths where the residential site drains to the storm drain outlets that were constructed as part of the channel improvements at nodes 200 and 400. The westerly third of the residential site leads to a local depression near node 10 before spilling out onto the adjacent property to the west. For AES calculation purposes, that localized ponding was ignored.

The commercial site has less defined flow paths. It appears that some of the site drains to the newly constructed storm drain outlets at nodes 300, 700 and 900 while other parts may sheet flow over the side of the channel at nodes 600 and 800. The easternmost third of the commercial site is very flat due to the concrete foundations that were left behind. While the flow paths are less definitive, it appears as though some of it flows out through sheet flow onto Linda Vista Drive. There are storm drain inlets further south down Linda Vista Drive that discharge into the same channel that bisects the project, so any runoff that leaves the project site ultimately ends up in the same channel.

As shown on the Proposed Hydrology Exhibit in Appendix 6, the proposed development areas will be re-graded to ensure that the runoff is routed to the channel. Runoff will no longer be allowed to spill out onto the adjacent property to the south or out onto Linda Vista Drive. The residential site has a system of concrete swales and storm drains to collect runoff and convey it to water quality basins and/or underground detention structures for hydromodification storage before being discharged to the channel at nodes 200,

400 and 1000. The commercial site has a similar system which outlets to the channel at nodes 300, 700 and 900.

3.0 METHODOLOGY

3.1 RATIONAL METHOD

The design criteria, as found in the County of San Diego Department of Public Works Flood Control Division Hydrology Manual, specifies the design runoff conditions within the San Diego County Flood Control District will be based on the 100-year storm frequency, as follows:

1.) Design for areas over 1 square mile will be based on the 100-year frequency storm.
2.) For areas under 1 square mile –
    a. The storm drain system shall be designed so that the combination of storm drain system capacity and overflow both inside and outside the right of way will be able to carry the 100 year frequency storm without damaging adjacent existing buildings or potential building sites.
    b. The storm drain system shall be designed so that the combination of storm drain system capacity and allowable street overflow will be able to carry the 50 year frequency storm without damaging adjacent property.
    c. Where a storm drain is required under headings 1 or 2 above, then as a minimum, the drain shall be designed to carry the 10-year frequency storm.
3.) Sump areas are to be designed for a sump capacity or outfall of a 100-year frequency storm.

Runoff produced on the project site will be calculated for the 100-year storm event using the methodology outlined in the 2003 San Diego County Hydrology Manual. Runoff will be calculated using the Rational Method, which is given by the following equation:

$Q = C \times I \times A$

Where:
Q = Flow rate in cubic feet per second (cfs)
C = Runoff coefficient
I = Rainfall Intensity in inches per hour (in/hr)
A = Drainage basin area in acres, (ac)

Soil Type – Hydrologic soil groups C and D are the prevalent soil groups on the project site as can be seen in the Soil Hydrologic Groups map provided in Appendix 2. Group C soils have slow infiltration rates when thoroughly wetted. This consists of soils having a layer that impedes the downward movement of water or soils of moderately fine texture or fine texture. Group D soils have a very slow infiltration rate when thoroughly wetted. Consisting chiefly of clay soils with a high swelling potential, soils with a high permanent water table, soils with clay pan or clay layer at or near the surface, and shallow soils over nearly impervious materials. Both type C & D soils have a very slow rate of water transmission.

Runoff Coefficient – In accordance with the County of San Diego standards, the appropriate runoff coefficients were determined based on table 3-1 from the 2003 San Diego County Hydrology Manual.

For the existing conditions, a C factor of 0.81 or 0.82 was used dependent on the prevalence of Soil Type C or D in each subbasin. This was chosen based on the current zoning of the property being for commercial use.

For the proposed conditions on the residential site, the C factor was determined by using the density and the soil type found in each subbasin. If more than one soil type was present, a weighted average was calculated

to determine the C factor. As shown on Table 3-1 in Appendix 1, the proposed residential density was calculated to be 20.3 DU/AC.

C factors per Table 3-1 in Appendix 1

	Soil Type C	Soil Type D
High Density Residential, 24.0 DU/AC or less	0.69	0.71
General Commercial	0.81	0.82

3.1 DATUM

The elevations utilized within this Drainage Study are based on the NGVD 29 Datum, since that datum was used for the aerial topography available at the time of this study's preparation. Since that time, the City of San Marcos has converted to using the NAVD 88 Datum. The project's Conceptual Grading Plans have been updated to the NAVD 88 Datum in accordance with City of San Marcos requirements. To convert the NGVD 29 elevations in this Drainage Study to the corresponding NAVD 88 elevations shown on the Conceptual Grading Plans, the conversion factor is +2.31 feet. The conversion factor was obtained utilizing the publicly available NGS Coordinate Conversion and Transformation Tool (NCAT).

4.0 CALCULATIONS/RESULTS

Detention Analysis was run using Civil 3D's Hydraflow software. Each of the water quality basins and underground detention structures was studied. Only volumes above the riser orifice were a part of the study, thus omitting any volume below the basin finished surface elevation. Refer to Appendix 5 for more information.

Detention Analysis Results

WEST	Before Detention				After Detention				
BMP ID	Node #	Tc (min)	A (ac)	Q	Node	Tc (min)	A (ac)	Qdet (cfs)	Δ (cfs)
1 WEST	1004	6.66	0.9	4.45	1004	6.66	0.90	3.64	-0.81
2 WEST	400	10.19	1.3	4.78	400	10.19	1.28	4.14	-0.64
3-DET WEST	206	9.14	2.6	10.23	204	9.14	2.57	6.80	-3.43

EAST	Before Detention				After Detention				
BMP ID	Node #	Tc (min)	A (ac)	Q	Node	Tc (min)	A (ac)	Qdet (cfs)	Δ (cfs)
A1	904	4.96	0.6	3.94	904	5.00	0.60	2.79	-1.15
B1	704	5.00	0.8	6.91	704	5.00	0.81	5.69	-1.22
B2	730	4.64	1.8	12.62	730	5.00	1.80	6.87	-5.75
B3	720	5.15	0.5	3.11	720	5.15	0.50	2.61	-0.50
B4	710	5.68	0.8	5.28	708	5.68	0.80	4.29	-0.99
D1	305	4.23	1.4	9.30	305	5.00	1.40	5.34	-3.96
D1-DET	301	5.74	1.4	5.34	301	5.74	1.40	4.25	-1.09

The results from the detention analysis were applied to the nodes listed above and re-run through AES. The post-detention AES runs can be found in Appendix 4. The results are summarized in the table below.

	Existing			Proposed (post detention)		
	A (Acre)	Tc (Min.)	Q (CFS)	A (Acre)	Tc (Min.)	Q (CFS)
Node 10	1.6	7.9	7.9	-	-	-
Node 100	7.9	11.9	33.2	10.7	9.5	33.2
Node 30	1.4	6.9	7.5	-	-	-

See appendix 3 & 4 for AES Analysis

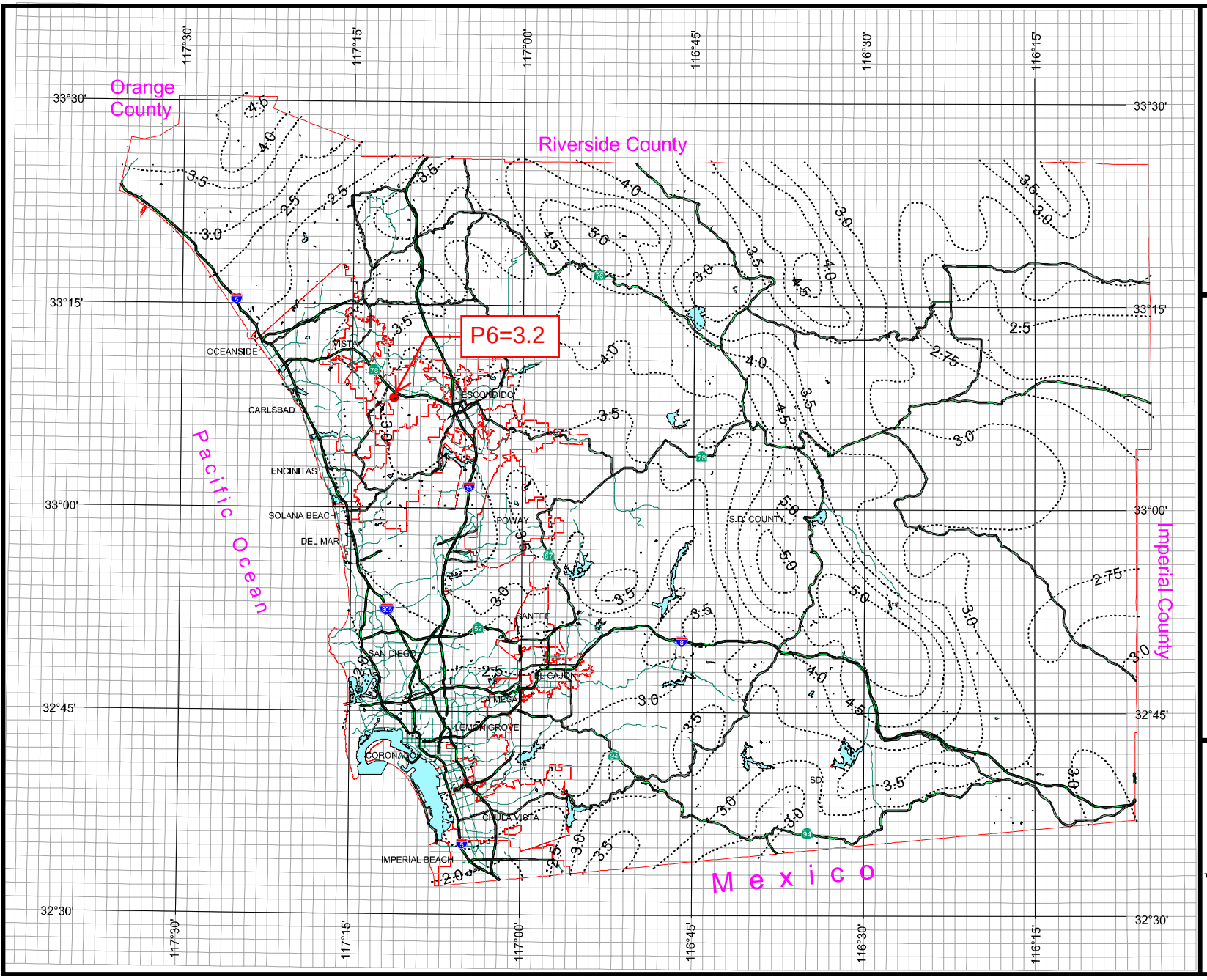
5.0 SUMMARY AND CONCLUSIONS

The storm drain system for the Marcos project's residential and commercial development areas has been designed for the 100-year storm event. Through the use of onsite detention systems, the site has been designed so that the channel will see no increase in flow for the proposed condition. The table in section 4.0 summarizes the existing and proposed results. The proposed project will benefit the adjacent properties by eliminating potential vector control issues with localized ponding and re-routing flows that currently lead off-site or add to runoff in the street. In the proposed condition, those off-site runoffs will be captured, treated for water quality, and safely released to the channel.

6.0 APPENDICES

Appendix 1: Hydrology Manual Excerpts
Appendix 2: Soils Map
Appendix 3: AES Existing Hydrology Analysis
Appendix 4: AES Proposed Hydrology Analysis
Appendix 5: Detention Analysis
Appendix 6: Existing and Proposed Hydrology Exhibits
Appendix 7: Excerpts from Channel Improvement Plan As-Built Drawings

APPENDIX 1: HYDROLOGY MANUAL EXCERPTS



County of San Diego Hydrology Manual

Rainfall Isopluvials

100 Year Rainfall Event - 6 Hours

Isopluvial (inches)

DPW GIS
Department of Public Works
Geographic Information Services

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We Have San Diego Covered!

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3 0 3 Miles

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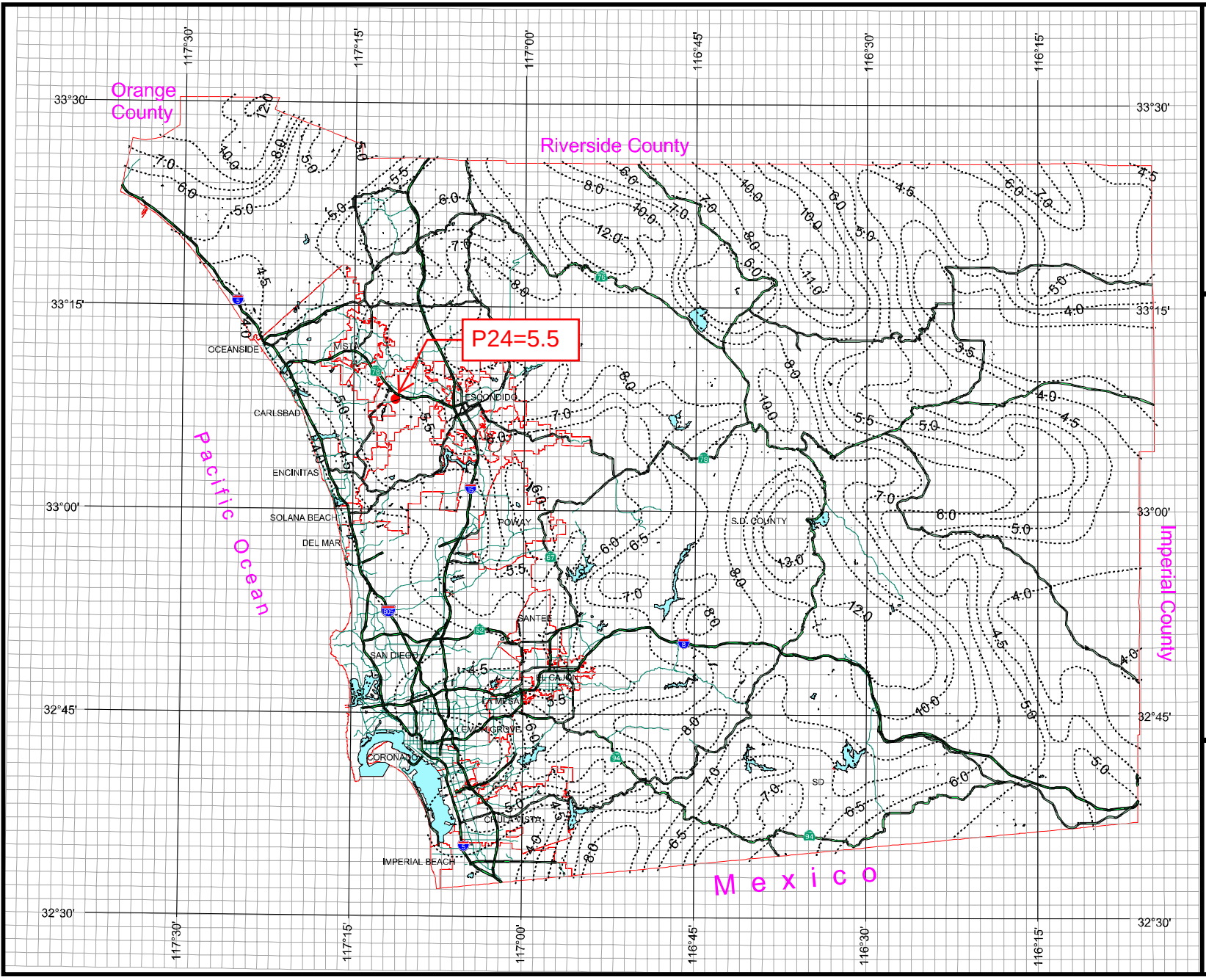

County of San Diego Hydrology Manual

Rainfall Isopluvials

100 Year Rainfall Event - 24 Hours

Isopluvial (inches)

DPW GIS
Department of Public Works
Geographic Information Services

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3 0 3 Miles

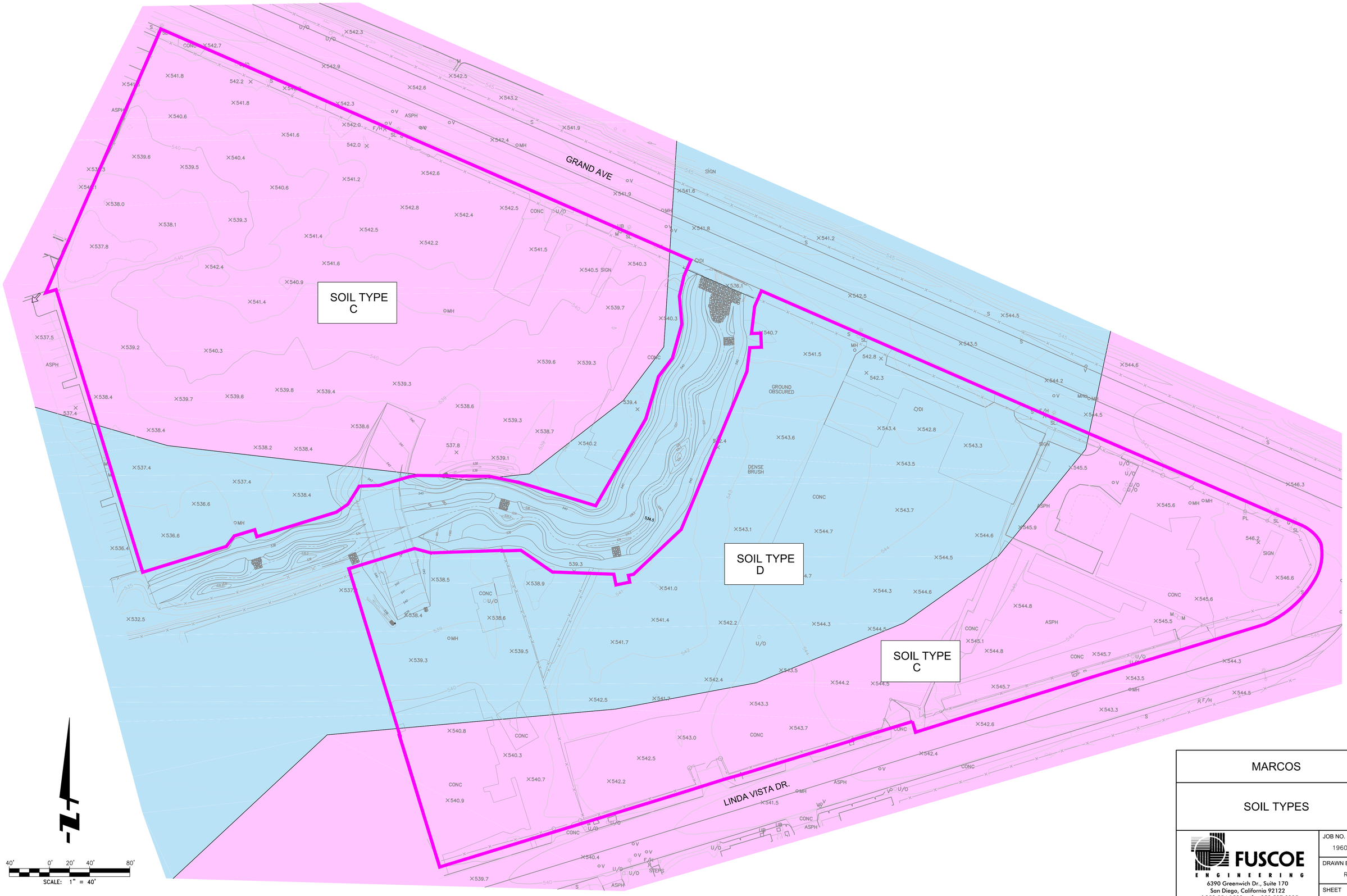
RES: 102 DU's / 5.02 AC = 20.3 DU/AC

Table 3-1
RUNOFF COEFFICIENTS FOR URBAN AREAS

Land Use		Runoff Coefficient "C"				
			Soil Type			
NRCS Elements	County Elements	% IMPER.	A	B	C	D
Undisturbed Natural Terrain (Natural)	Permanent Open Space	0*	0.20	0.25	0.30	0.35
Low Density Residential (LDR)	Residential, 1.0 DU/A or less	10	0.27	0.32	0.36	0.41
Low Density Residential (LDR)	Residential, 2.0 DU/A or less	20	0.34	0.38	0.42	0.46
Low Density Residential (LDR)	Residential, 2.9 DU/A or less	25	0.38	0.41	0.45	0.49
Medium Density Residential (MDR)	Residential, 4.3 DU/A or less	30	0.41	0.45	0.48	0.52
Medium Density Residential (MDR)	Residential, 7.3 DU/A or less	40	0.48	0.51	0.54	0.57
Medium Density Residential (MDR)	Residential, 10.9 DU/A or less	45	0.52	0.54	0.57	0.60
Medium Density Residential (MDR)	Residential, 14.5 DU/A or less	50	0.55	0.58	0.60	0.63
High Density Residential (HDR)	Residential, 24.0 DU/A or less	65	0.66	0.67	0.69	0.71
High Density Residential (HDR)	Residential, 43.0 DU/A or less	80	0.76	0.77	0.78	0.79
Commercial/Industrial (N. Com)	Neighborhood Commercial	80	0.76	0.77	0.78	0.79
Commercial/Industrial (G. Com)	General Commercial	85	0.80	0.80	0.81	0.82
Commercial/Industrial (O.P. Com)	Office Professional/Commercial	90	0.83	0.84	0.84	0.85
Commercial/Industrial (Limited I.)	Limited Industrial	90	0.83	0.84	0.84	0.85
Commercial/Industrial (General I.)	General Industrial	95	0.87	0.87	0.87	0.87

*The values associated with 0% impervious may be used for direct calculation of the runoff coefficient as described in Section 3.1.2 (representing the pervious runoff coefficient, Cp, for the soil type), or for areas that will remain undisturbed in perpetuity. Justification must be given that the area will remain natural forever (e.g., the area is located in Cleveland National Forest).
DU/A = dwelling units per acre
NRCS = National Resources Conservation Service

APPENDIX 2: SOILS MAP



MARCOS

SOIL TYPES

FUSCOE ENGINEERING
6390 Greenwich Dr., Suite 170
San Diego, California 92122
tel 858.554.1500 ◦ fax 858.597.0335
www.fuscoe.com

JOB NO. 1960-001

DRAWN BY: RR

SHEET 1 of 1

F:\PROJECTS\1960\001_SUPPORT FILES\REPORTS\HYDROLOGY\SOIL MAP.DWG (03-09-2022 4:27:14PM) Plotted by: RRoberts

APPENDIX 3: AES EXISTING HYDROLOGY ANALYSIS

FUSCOE ENGINEERING
6390 Greenwich Drive, Suite 170
San Diego, California 92122
tel 858.554.1500 ◦ fax 858.597.0335
www.fuscoe.com

AES DATA SUMMARY
Job Name: Marcos
Date: 3/3/2023
Job #: 1960-001
P6: 3.2

Run Name:
AV-E10.DAT / AV-E30.DAT
EXISTING CONDITIONS

Node to Node		Code	Elev 1 (ft)	Elev 2 (ft)	Length (ft)	C-factor	Area (ac)	Comments	BANK		
									1	2	3
AV-E10.DAT											
14	12	2	542.71	541.20	78.0	0.81	0.09				
12	10	5	541.20	538.00	360.0						
12	10	8				0.81	1.47				
							1.56				
AV-E30.DAT											
34	32	2	546.60	545.60	68	0.81	0.27				
32	30	5	545.60	542.10	330						
32	30	8				0.81	1.08				
							1.35				

```
_____
*****************************************************************************

           RATIONAL METHOD HYDROLOGY COMPUTER PROGRAM PACKAGE
           Reference: SAN DIEGO COUNTY FLOOD CONTROL DISTRICT
                      2003,1985,1981 HYDROLOGY MANUAL
        (c) Copyright 1982-2016 Advanced Engineering Software (aes)
            Ver. 23.0 Release Date: 07/01/2016  License ID 1355

                         Analysis prepared by:

                           Fuscoe Engineering
                           6390 Greenwich Dr
                               Suite 170
                          San Diego, CA 92064

 ************************ DESCRIPTION OF STUDY *************************
* ARTISTS VILLAGE                                                      *
* EXISTING HYDROLOGY                                                   *
* BASIN 10                                                             *
 ***********************************************************************

  FILE NAME: AV-E10.DAT
  TIME/DATE OF STUDY: 10:09 03/03/2023
-----------------------------------------------------------------------------
  USER SPECIFIED HYDROLOGY AND HYDRAULIC MODEL INFORMATION:
-----------------------------------------------------------------------------
  2003 SAN DIEGO MANUAL CRITERIA

  USER SPECIFIED STORM EVENT(YEAR) = 100.00
  6-HOUR DURATION PRECIPITATION (INCHES) =   3.200
  SPECIFIED MINIMUM PIPE SIZE(INCH) =   3.00
  SPECIFIED PERCENT OF GRADIENTS(DECIMAL) TO USE FOR FRICTION SLOPE = 0.90
  SAN DIEGO HYDROLOGY MANUAL "C"-VALUES USED FOR RATIONAL METHOD
  NOTE: USE MODIFIED RATIONAL METHOD PROCEDURES FOR CONFLUENCE ANALYSIS
  *USER-DEFINED STREET-SECTIONS FOR COUPLED PIPEFLOW AND STREETFLOW MODEL*
     HALF-  CROWN TO   STREET-CROSSFALL:   CURB  GUTTER-GEOMETRIES:  MANNING
     WIDTH  CROSSFALL  IN-  / OUT-/PARK-  HEIGHT  WIDTH  LIP   HIKE  FACTOR
NO.   (FT)     (FT)    SIDE / SIDE/ WAY    (FT)    (FT)  (FT)  (FT)    (n)
===  =====  =========  =================  ======  ===== ====== ===== =======
  1   30.0     20.0    0.018/0.018/0.020   0.67    2.00 0.0313 0.167 0.0150

  GLOBAL STREET FLOW-DEPTH CONSTRAINTS:
    1. Relative Flow-Depth =  0.00 FEET
       as (Maximum Allowable Street Flow Depth) - (Top-of-Curb)
    2. (Depth)*(Velocity) Constraint =  6.0 (FT*FT/S)
  *SIZE PIPE WITH A FLOW CAPACITY GREATER THAN
   OR EQUAL TO THE UPSTREAM TRIBUTARY PIPE.*

*****************************************************************************

  FLOW PROCESS FROM NODE     14.00 TO NODE     12.00 IS CODE =  21
-----------------------------------------------------------------------------
  >>>>>RATIONAL METHOD INITIAL SUBAREA ANALYSIS<<<<<
=============================================================================
  *USER SPECIFIED(SUBAREA):
  USER-SPECIFIED RUNOFF COEFFICIENT = .8100
  S.C.S. CURVE NUMBER (AMC II) =   0
  INITIAL SUBAREA FLOW-LENGTH(FEET) =    78.00
  UPSTREAM ELEVATION(FEET) =    542.71
  DOWNSTREAM ELEVATION(FEET) =    541.20
  ELEVATION DIFFERENCE(FEET) =      1.51
  SUBAREA OVERLAND TIME OF FLOW(MIN.) =    3.699
   100 YEAR RAINFALL INTENSITY(INCH/HOUR) =  8.431
  NOTE: RAINFALL INTENSITY IS BASED ON Tc = 5-MINUTE.
  SUBAREA RUNOFF(CFS) =      0.61
  TOTAL AREA(ACRES) =      0.09   TOTAL RUNOFF(CFS) =      0.61

*****************************************************************************
  FLOW PROCESS FROM NODE     12.00 TO NODE     10.00 IS CODE =  52
-----------------------------------------------------------------------------
  >>>>>COMPUTE NATURAL VALLEY CHANNEL FLOW<<<<<
  >>>>>TRAVELTIME THRU SUBAREA<<<<<
=============================================================================
  ELEVATION DATA: UPSTREAM(FEET) =    541.20  DOWNSTREAM(FEET) =    538.00
  CHANNEL LENGTH THRU SUBAREA(FEET) =   360.00   CHANNEL SLOPE =  0.0089
  NOTE: CHANNEL FLOW OF 1. CFS WAS ASSUMED IN VELOCITY ESTIMATION
  CHANNEL FLOW THRU SUBAREA(CFS) =       0.61
  FLOW VELOCITY(FEET/SEC) =   1.41 (PER LACFCD/RCFC&WCD HYDROLOGY MANUAL)
  TRAVEL TIME(MIN.) =   4.24   Tc(MIN.) =    7.94
  LONGEST FLOWPATH FROM NODE     14.00 TO NODE     10.00 =     438.00 FEET.

*****************************************************************************
  FLOW PROCESS FROM NODE     12.00 TO NODE     10.00 IS CODE =  81
-----------------------------------------------------------------------------
  >>>>>ADDITION OF SUBAREA TO MAINLINE PEAK FLOW<<<<<
=============================================================================
   100 YEAR RAINFALL INTENSITY(INCH/HOUR) =  6.256
  *USER SPECIFIED(SUBAREA):
  USER-SPECIFIED RUNOFF COEFFICIENT = .8100
  S.C.S. CURVE NUMBER (AMC II) =   0
  AREA-AVERAGE RUNOFF COEFFICIENT = 0.8100
  SUBAREA AREA(ACRES) =    1.47   SUBAREA RUNOFF(CFS) =    7.45
  TOTAL AREA(ACRES) =        1.6   TOTAL RUNOFF(CFS) =       7.90
  TC(MIN.) =    7.94
=============================================================================
  END OF STUDY SUMMARY:
  TOTAL AREA(ACRES)     =        1.6  TC(MIN.) =      7.94
  PEAK FLOW RATE(CFS)   =       7.90
=============================================================================
=============================================================================
```

END OF RATIONAL METHOD ANALYSIS

```
______________________________________________________________________________
******************************************************************************

           RATIONAL METHOD HYDROLOGY COMPUTER PROGRAM PACKAGE
           Reference: SAN DIEGO COUNTY FLOOD CONTROL DISTRICT
                      2003,1985,1981 HYDROLOGY MANUAL
        (c) Copyright 1982-2016 Advanced Engineering Software (aes)
            Ver. 23.0 Release Date: 07/01/2016  License ID 1355

                         Analysis prepared by:

                           Fuscoe Engineering
                           6390 Greenwich Dr
                               Suite 170
                          San Diego, CA 92064

 ************************ DESCRIPTION OF STUDY ************************
* ARTISTS VILLAGE                                                      *
* EXISTING HYDROLOGY                                                   *
* BASIN 30                                                             *
 ************************************************************************

  FILE NAME: AV-E30.DAT
  TIME/DATE OF STUDY: 10:07 03/03/2023
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  USER SPECIFIED HYDROLOGY AND HYDRAULIC MODEL INFORMATION:
------------------------------------------------------------------------------
  2003 SAN DIEGO MANUAL CRITERIA

  USER SPECIFIED STORM EVENT(YEAR) = 100.00
  6-HOUR DURATION PRECIPITATION (INCHES) =   3.200
  SPECIFIED MINIMUM PIPE SIZE(INCH) =   3.00
  SPECIFIED PERCENT OF GRADIENTS(DECIMAL) TO USE FOR FRICTION SLOPE = 0.90
  SAN DIEGO HYDROLOGY MANUAL "C"-VALUES USED FOR RATIONAL METHOD
  NOTE: USE MODIFIED RATIONAL METHOD PROCEDURES FOR CONFLUENCE ANALYSIS
  *USER-DEFINED STREET-SECTIONS FOR COUPLED PIPEFLOW AND STREETFLOW MODEL*
     HALF-  CROWN TO   STREET-CROSSFALL:   CURB  GUTTER-GEOMETRIES:  MANNING
     WIDTH  CROSSFALL  IN-  / OUT-/PARK-  HEIGHT  WIDTH  LIP   HIKE  FACTOR
NO.   (FT)     (FT)    SIDE / SIDE/ WAY    (FT)    (FT)  (FT)  (FT)    (n)
===  =====  =========  =================  ======  ===== ====== ===== =======
  1   30.0     20.0    0.018/0.018/0.020   0.67    2.00 0.0313 0.167 0.0150

  GLOBAL STREET FLOW-DEPTH CONSTRAINTS:
    1. Relative Flow-Depth =  0.00 FEET
       as (Maximum Allowable Street Flow Depth) - (Top-of-Curb)
    2. (Depth)*(Velocity) Constraint =  6.0 (FT*FT/S)
  *SIZE PIPE WITH A FLOW CAPACITY GREATER THAN
   OR EQUAL TO THE UPSTREAM TRIBUTARY PIPE.*

******************************************************************************

  FLOW PROCESS FROM NODE     34.00 TO NODE     32.00 IS CODE =  21
------------------------------------------------------------------------------
  >>>>>RATIONAL METHOD INITIAL SUBAREA ANALYSIS<<<<<
==============================================================================
  *USER SPECIFIED(SUBAREA):
  USER-SPECIFIED RUNOFF COEFFICIENT = .8100
  S.C.S. CURVE NUMBER (AMC II) =   0
  INITIAL SUBAREA FLOW-LENGTH(FEET) =    68.00
  UPSTREAM ELEVATION(FEET) =    546.60
  DOWNSTREAM ELEVATION(FEET) =    545.60
  ELEVATION DIFFERENCE(FEET) =      1.00
  SUBAREA OVERLAND TIME OF FLOW(MIN.) =    3.785
   100 YEAR RAINFALL INTENSITY(INCH/HOUR) =  8.431
  NOTE: RAINFALL INTENSITY IS BASED ON Tc = 5-MINUTE.
  SUBAREA RUNOFF(CFS) =      1.84
  TOTAL AREA(ACRES) =      0.27   TOTAL RUNOFF(CFS) =      1.84

******************************************************************************
  FLOW PROCESS FROM NODE     32.00 TO NODE     30.00 IS CODE =  52
------------------------------------------------------------------------------
  >>>>>COMPUTE NATURAL VALLEY CHANNEL FLOW<<<<<
  >>>>>TRAVELTIME THRU SUBAREA<<<<<
==============================================================================
  ELEVATION DATA: UPSTREAM(FEET) =    545.60  DOWNSTREAM(FEET) =    542.10
  CHANNEL LENGTH THRU SUBAREA(FEET) =   330.00   CHANNEL SLOPE =  0.0106
  CHANNEL FLOW THRU SUBAREA(CFS) =       1.84
  FLOW VELOCITY(FEET/SEC) =   1.74 (PER LACFCD/RCFC&WCD HYDROLOGY MANUAL)
  TRAVEL TIME(MIN.) =   3.16   Tc(MIN.) =    6.94
  LONGEST FLOWPATH FROM NODE     34.00 TO NODE     30.00 =     398.00 FEET.

******************************************************************************
  FLOW PROCESS FROM NODE     32.00 TO NODE     30.00 IS CODE =  81
------------------------------------------------------------------------------
  >>>>>ADDITION OF SUBAREA TO MAINLINE PEAK FLOW<<<<<
==============================================================================
   100 YEAR RAINFALL INTENSITY(INCH/HOUR) =  6.823
  *USER SPECIFIED(SUBAREA):
  USER-SPECIFIED RUNOFF COEFFICIENT = .8100
  S.C.S. CURVE NUMBER (AMC II) =   0
  AREA-AVERAGE RUNOFF COEFFICIENT = 0.8100
  SUBAREA AREA(ACRES) =    1.08   SUBAREA RUNOFF(CFS) =    5.97
  TOTAL AREA(ACRES) =        1.4   TOTAL RUNOFF(CFS) =       7.46
  TC(MIN.) =    6.94
==============================================================================
  END OF STUDY SUMMARY:
  TOTAL AREA(ACRES)     =        1.4  TC(MIN.) =      6.94
  PEAK FLOW RATE(CFS)   =       7.46
==============================================================================
==============================================================================
  END OF RATIONAL METHOD ANALYSIS
```

FUSCOE ENGINEERING
6390 Greenwich Drive, Suite 170
San Diego, California 92122
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AES DATA SUMMARY
Job Name: Marcos
Date: 3/3/2023
Job #: 1960-001
P6: 3.2

Run Name:
AV-E100.DAT
EXISTING CONDITIONS

Node to Node		Code	Elev 1 (ft)	Elev 2 (ft)	Length (ft)	C-factor	Area (ac)	Comments	BANK		
									1	2	3
AV-E100.dat											
902	901	2	545.00	544.23	58.0	0.81	0.08				
901	900	5	544.23	541.00	360.0						
901	900	8				0.82	1.68				
900	106	3	541.00	535.60	30						
106	105	5	535.60	535.00	145			Stream			
800	105	8				0.82	0.1				
105	104	5	535.00	534.50	88			Stream			
104	104	1						1 of 2			
902	701	2	545.00	544.13	61.0	0.81	0.07				
701	700	5	544.13	540.86	250						
701	700	8				0.82	0.85				
700	104	3	540.86	534.50	40						
104	104	1						2 of 2			
104	103	5	534.50	533.50	120.0			Stream			
600	103	8				0.82	0.15				
103	103	1						1 of 3			
902	501	2	545.00	544.13	61.0	0.81	0.08				
501	500	5	544.13	539.00	500.0						
501	500	8				0.81	1.28				
500	103	5	539.00	533.50	35			Stream			
103	103	1						2 of 3			
402	401	2	542.71	542.00	56	0.81	0.3				
401	400	5	542.00	538.99	270						
401	400	8				0.81	1.64				
400	103	3	538.99	533.50	50						
103	103	1						3 of 3			
103	102	5	533.50	533.00	160			Stream			
300	102	8				0.82	0.31				
102	101	5	533.00	532.00	100			Stream			
101	101	1						1 of 2			

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ES DATA SUMMARY
b Name: Marcos
ate: 3/3/2023
b #: 1960-001
: 3.2

Run Name:
AV-E100.DAT
EXISTING CONDITIONS

Node to Node		Code	Elev 1 (ft)	Elev 2 (ft)	Length (ft)	C-factor	Area (ac)	Comments	BANK		
									1	2	3
202	201	2	542.50	539.80	72	0.81	0.3				
201	200	5	539.80	537.33	145						
201	200	8				0.81	1.09				
200	101	5	537.33	532.00	35			Stream			
101	101	1						2 of 2			
101	100	5	532.00	531.40	110			Stream			
Total							7.93				

```
_____
*****************************************************************************

           RATIONAL METHOD HYDROLOGY COMPUTER PROGRAM PACKAGE
           Reference: SAN DIEGO COUNTY FLOOD CONTROL DISTRICT
                      2003,1985,1981 HYDROLOGY MANUAL
        (c) Copyright 1982-2016 Advanced Engineering Software (aes)
            Ver. 23.0 Release Date: 07/01/2016  License ID 1355

                         Analysis prepared by:

                           Fuscoe Engineering
                           6390 Greenwich Dr
                               Suite 170
                          San Diego, CA 92064

 ************************ DESCRIPTION OF STUDY *************************
* MARCOS                                                               *
* EXISTING HYDROLOGY                                                   *
* BASIN 100                                                            *
 ***********************************************************************

  FILE NAME: AV-E100.DAT
  TIME/DATE OF STUDY: 09:27 03/03/2023
-----------------------------------------------------------------------------
  USER SPECIFIED HYDROLOGY AND HYDRAULIC MODEL INFORMATION:
-----------------------------------------------------------------------------
  2003 SAN DIEGO MANUAL CRITERIA

  USER SPECIFIED STORM EVENT(YEAR) = 100.00
  6-HOUR DURATION PRECIPITATION (INCHES) =   3.200
  SPECIFIED MINIMUM PIPE SIZE(INCH) =   3.00
  SPECIFIED PERCENT OF GRADIENTS(DECIMAL) TO USE FOR FRICTION SLOPE = 0.90
  SAN DIEGO HYDROLOGY MANUAL "C"-VALUES USED FOR RATIONAL METHOD
  NOTE: USE MODIFIED RATIONAL METHOD PROCEDURES FOR CONFLUENCE ANALYSIS
  *USER-DEFINED STREET-SECTIONS FOR COUPLED PIPEFLOW AND STREETFLOW MODEL*
     HALF-  CROWN TO   STREET-CROSSFALL:   CURB  GUTTER-GEOMETRIES:  MANNING
     WIDTH  CROSSFALL  IN-  / OUT-/PARK-  HEIGHT  WIDTH  LIP   HIKE  FACTOR
NO.   (FT)     (FT)    SIDE / SIDE/ WAY    (FT)    (FT)  (FT)  (FT)    (n)
===  =====  =========  =================  ======  ===== ====== ===== =======
  1   30.0     20.0    0.018/0.018/0.020   0.67    2.00 0.0313 0.167 0.0150

  GLOBAL STREET FLOW-DEPTH CONSTRAINTS:
    1. Relative Flow-Depth =  0.00 FEET
       as (Maximum Allowable Street Flow Depth) - (Top-of-Curb)
    2. (Depth)*(Velocity) Constraint =  6.0 (FT*FT/S)
  *SIZE PIPE WITH A FLOW CAPACITY GREATER THAN
   OR EQUAL TO THE UPSTREAM TRIBUTARY PIPE.*

*****************************************************************************

  FLOW PROCESS FROM NODE    902.00 TO NODE    901.00 IS CODE =  21
-----------------------------------------------------------------------------
  >>>>>RATIONAL METHOD INITIAL SUBAREA ANALYSIS<<<<<
=============================================================================
  *USER SPECIFIED(SUBAREA):
  USER-SPECIFIED RUNOFF COEFFICIENT = .8100
  S.C.S. CURVE NUMBER (AMC II) =   0
  INITIAL SUBAREA FLOW-LENGTH(FEET) =    58.00
  UPSTREAM ELEVATION(FEET) =    545.00
  DOWNSTREAM ELEVATION(FEET) =    544.23
  ELEVATION DIFFERENCE(FEET) =      0.77
  SUBAREA OVERLAND TIME OF FLOW(MIN.) =    3.617
   100 YEAR RAINFALL INTENSITY(INCH/HOUR) =  8.431
  NOTE: RAINFALL INTENSITY IS BASED ON Tc = 5-MINUTE.
  SUBAREA RUNOFF(CFS) =      0.55
  TOTAL AREA(ACRES) =      0.08   TOTAL RUNOFF(CFS) =      0.55

*****************************************************************************
  FLOW PROCESS FROM NODE    901.00 TO NODE    900.00 IS CODE =  52
-----------------------------------------------------------------------------
  >>>>>COMPUTE NATURAL VALLEY CHANNEL FLOW<<<<<
  >>>>>TRAVELTIME THRU SUBAREA<<<<<
=============================================================================
  ELEVATION DATA: UPSTREAM(FEET) =    544.23  DOWNSTREAM(FEET) =    541.00
  CHANNEL LENGTH THRU SUBAREA(FEET) =   360.00   CHANNEL SLOPE =  0.0090
  NOTE: CHANNEL FLOW OF 1. CFS WAS ASSUMED IN VELOCITY ESTIMATION
  CHANNEL FLOW THRU SUBAREA(CFS) =       0.55
  FLOW VELOCITY(FEET/SEC) =   1.42 (PER LACFCD/RCFC&WCD HYDROLOGY MANUAL)
  TRAVEL TIME(MIN.) =   4.22   Tc(MIN.) =    7.84
  LONGEST FLOWPATH FROM NODE    902.00 TO NODE    900.00 =     418.00 FEET.

*****************************************************************************
  FLOW PROCESS FROM NODE    901.00 TO NODE    900.00 IS CODE =  81
-----------------------------------------------------------------------------
  >>>>>ADDITION OF SUBAREA TO MAINLINE PEAK FLOW<<<<<
=============================================================================
   100 YEAR RAINFALL INTENSITY(INCH/HOUR) =  6.308
  *USER SPECIFIED(SUBAREA):
  USER-SPECIFIED RUNOFF COEFFICIENT = .8200
  S.C.S. CURVE NUMBER (AMC II) =   0
  AREA-AVERAGE RUNOFF COEFFICIENT = 0.8195
  SUBAREA AREA(ACRES) =    1.68   SUBAREA RUNOFF(CFS) =    8.69
  TOTAL AREA(ACRES) =        1.8   TOTAL RUNOFF(CFS) =       9.10
  TC(MIN.) =    7.84

*****************************************************************************
  FLOW PROCESS FROM NODE    900.00 TO NODE    106.00 IS CODE =  31
-----------------------------------------------------------------------------
  >>>>>COMPUTE PIPE-FLOW TRAVEL TIME THRU SUBAREA<<<<<
  >>>>>USING COMPUTER-ESTIMATED PIPESIZE (NON-PRESSURE FLOW)<<<<<
```

```
==========================================================================
  ELEVATION DATA: UPSTREAM(FEET) =   541.00  DOWNSTREAM(FEET) =   535.60
  FLOW LENGTH(FEET) =    30.00   MANNING'S N =  0.013
  DEPTH OF FLOW IN  12.0 INCH PIPE IS   6.9 INCHES
  PIPE-FLOW VELOCITY(FEET/SEC.) =  19.33
  ESTIMATED PIPE DIAMETER(INCH) =  12.00    NUMBER OF PIPES =   1
  PIPE-FLOW(CFS) =       9.10
  PIPE TRAVEL TIME(MIN.) =   0.03    Tc(MIN.) =    7.87
  LONGEST FLOWPATH FROM NODE    902.00 TO NODE    106.00 =     448.00 FEET.

**************************************************************************
  FLOW PROCESS FROM NODE    106.00 TO NODE    105.00 IS CODE =  52
--------------------------------------------------------------------------
  >>>>>COMPUTE NATURAL VALLEY CHANNEL FLOW<<<<<
  >>>>>TRAVELTIME THRU SUBAREA<<<<<
==========================================================================
  ELEVATION DATA: UPSTREAM(FEET) =    535.60  DOWNSTREAM(FEET) =    535.00
  CHANNEL LENGTH THRU SUBAREA(FEET) =   145.00   CHANNEL SLOPE =  0.0041
  CHANNEL FLOW THRU SUBAREA(CFS) =       9.10
  FLOW VELOCITY(FEET/SEC) =   1.57 (PER LACFCD/RCFC&WCD HYDROLOGY MANUAL)
  TRAVEL TIME(MIN.) =   1.54   Tc(MIN.) =    9.41
  LONGEST FLOWPATH FROM NODE    902.00 TO NODE    105.00 =     593.00 FEET.

**************************************************************************
  FLOW PROCESS FROM NODE    800.00 TO NODE    105.00 IS CODE =  81
--------------------------------------------------------------------------
  >>>>>ADDITION OF SUBAREA TO MAINLINE PEAK FLOW<<<<<
==========================================================================
   100 YEAR RAINFALL INTENSITY(INCH/HOUR) =  5.609
  *USER SPECIFIED(SUBAREA):
  USER-SPECIFIED RUNOFF COEFFICIENT = .8200
  S.C.S. CURVE NUMBER (AMC II) =   0
  AREA-AVERAGE RUNOFF COEFFICIENT = 0.8196
  SUBAREA AREA(ACRES) =    0.10   SUBAREA RUNOFF(CFS) =    0.46
  TOTAL AREA(ACRES) =        1.9   TOTAL RUNOFF(CFS) =       9.10
  TC(MIN.) =    9.41
  NOTE: PEAK FLOW RATE DEFAULTED TO UPSTREAM VALUE

**************************************************************************
  FLOW PROCESS FROM NODE    105.00 TO NODE    104.00 IS CODE =  52
--------------------------------------------------------------------------
  >>>>>COMPUTE NATURAL VALLEY CHANNEL FLOW<<<<<
  >>>>>TRAVELTIME THRU SUBAREA<<<<<
==========================================================================
  ELEVATION DATA: UPSTREAM(FEET) =    535.00  DOWNSTREAM(FEET) =    534.50
  CHANNEL LENGTH THRU SUBAREA(FEET) =    88.00   CHANNEL SLOPE =  0.0057
  CHANNEL FLOW THRU SUBAREA(CFS) =       9.10
  FLOW VELOCITY(FEET/SEC) =   1.84 (PER LACFCD/RCFC&WCD HYDROLOGY MANUAL)
  TRAVEL TIME(MIN.) =   0.80   Tc(MIN.) =   10.20
  LONGEST FLOWPATH FROM NODE    902.00 TO NODE    104.00 =     681.00 FEET.

**************************************************************************
  FLOW PROCESS FROM NODE    104.00 TO NODE    104.00 IS CODE =   1
--------------------------------------------------------------------------
  >>>>>DESIGNATE INDEPENDENT STREAM FOR CONFLUENCE<<<<<
==========================================================================
  TOTAL NUMBER OF STREAMS =  2
  CONFLUENCE VALUES USED FOR INDEPENDENT STREAM  1 ARE:
  TIME OF CONCENTRATION(MIN.) =   10.20
  RAINFALL INTENSITY(INCH/HR) =   5.32
  TOTAL STREAM AREA(ACRES) =     1.86
  PEAK FLOW RATE(CFS) AT CONFLUENCE =      9.10

**************************************************************************
  FLOW PROCESS FROM NODE    902.00 TO NODE    701.00 IS CODE =  21
--------------------------------------------------------------------------
  >>>>>RATIONAL METHOD INITIAL SUBAREA ANALYSIS<<<<<
==========================================================================
  *USER SPECIFIED(SUBAREA):
  USER-SPECIFIED RUNOFF COEFFICIENT = .8100
  S.C.S. CURVE NUMBER (AMC II) =   0
  INITIAL SUBAREA FLOW-LENGTH(FEET) =    61.00
  UPSTREAM ELEVATION(FEET) =    545.00
  DOWNSTREAM ELEVATION(FEET) =    544.13
  ELEVATION DIFFERENCE(FEET) =      0.87
  SUBAREA OVERLAND TIME OF FLOW(MIN.) =    3.622
   100 YEAR RAINFALL INTENSITY(INCH/HOUR) =  8.431
  NOTE: RAINFALL INTENSITY IS BASED ON Tc = 5-MINUTE.
  SUBAREA RUNOFF(CFS) =      0.48
  TOTAL AREA(ACRES) =      0.07   TOTAL RUNOFF(CFS) =      0.48

**************************************************************************
  FLOW PROCESS FROM NODE    701.00 TO NODE    700.00 IS CODE =  52
--------------------------------------------------------------------------
  >>>>>COMPUTE NATURAL VALLEY CHANNEL FLOW<<<<<
  >>>>>TRAVELTIME THRU SUBAREA<<<<<
==========================================================================
  ELEVATION DATA: UPSTREAM(FEET) =    544.13  DOWNSTREAM(FEET) =    540.86
  CHANNEL LENGTH THRU SUBAREA(FEET) =   250.00   CHANNEL SLOPE =  0.0131
  NOTE: CHANNEL FLOW OF 1. CFS WAS ASSUMED IN VELOCITY ESTIMATION
  CHANNEL FLOW THRU SUBAREA(CFS) =       0.48
  FLOW VELOCITY(FEET/SEC) =   1.72 (PER LACFCD/RCFC&WCD HYDROLOGY MANUAL)
  TRAVEL TIME(MIN.) =   2.43   Tc(MIN.) =    6.05
  LONGEST FLOWPATH FROM NODE    902.00 TO NODE    700.00 =     311.00 FEET.

**************************************************************************
  FLOW PROCESS FROM NODE    701.00 TO NODE    700.00 IS CODE =  81
--------------------------------------------------------------------------
  >>>>>ADDITION OF SUBAREA TO MAINLINE PEAK FLOW<<<<<
==========================================================================
```

```
 100 YEAR RAINFALL INTENSITY(INCH/HOUR) =  7.455
 *USER SPECIFIED(SUBAREA):
 USER-SPECIFIED RUNOFF COEFFICIENT = .8200
 S.C.S. CURVE NUMBER (AMC II) =   0
 AREA-AVERAGE RUNOFF COEFFICIENT = 0.8192
 SUBAREA AREA(ACRES) =    0.85   SUBAREA RUNOFF(CS) =    5.20
 TOTAL AREA(ACRES) =        0.9   TOTAL RUNOFF(CS) =       5.62
 TC(MIN.) =    6.05

****************************************************************************
 FLOW PROCESS FROM NODE    700.00 TO NODE    104.00 IS CODE =  31
----------------------------------------------------------------------------
 >>>>>COMPUTE PIPE-FLOW TRAVEL TIME THRU SUBAREA<<<<<
 >>>>>USING COMPUTER-ESTIMATED PIPESIZE (NON-PRESSURE FLOW)<<<<<
============================================================================
 ELEVATION DATA: UPSTREAM(FEET) =   540.86  DOWNSTREAM(FEET) =   534.50
 FLOW LENGTH(FEET) =    40.00   MANNING'S N =  0.013
 DEPTH OF FLOW IN   9.0 INCH PIPE IS   6.7 INCHES
 PIPE-FLOW VELOCITY(FEET/SEC.) =  16.03
 ESTIMATED PIPE DIAMETER(INCH) =   9.00    NUMBER OF PIPES =   1
 PIPE-FLOW(CFS) =       5.62
 PIPE TRAVEL TIME(MIN.) =   0.04    Tc(MIN.) =    6.09
 LONGEST FLOWPATH FROM NODE    902.00 TO NODE    104.00 =     351.00 FEET.

****************************************************************************
 FLOW PROCESS FROM NODE    104.00 TO NODE    104.00 IS CODE =   1
----------------------------------------------------------------------------
 >>>>>DESIGNATE INDEPENDENT STREAM FOR CONFLUENCE<<<<<
 >>>>>AND COMPUTE VARIOUS CONFLUENCED STREAM VALUES<<<<<
============================================================================
 TOTAL NUMBER OF STREAMS =  2
 CONFLUENCE VALUES USED FOR INDEPENDENT STREAM  2 ARE:
 TIME OF CONCENTRATION(MIN.) =    6.09
 RAINFALL INTENSITY(INCH/HR) =   7.42
 TOTAL STREAM AREA(ACRES) =     0.92
 PEAK FLOW RATE(CFS) AT CONFLUENCE =      5.62

 ** CONFLUENCE DATA **
 STREAM     RUNOFF       Tc      INTENSITY      AREA
 NUMBER      (CFS)     (MIN.)   (INCH/HOUR)    (ACRE)
     1        9.10    10.20        5.322          1.86
     2        5.62     6.09        7.422          0.92

 RAINFALL INTENSITY AND TIME OF CONCENTRATION RATIO
 CONFLUENCE FORMULA USED FOR  2 STREAMS.

 ** PEAK FLOW RATE TABLE **
 STREAM     RUNOFF       Tc      INTENSITY
 NUMBER      (CFS)     (MIN.)   (INCH/HOUR)
     1       11.05     6.09        7.422
     2       13.13    10.20        5.322

 COMPUTED CONFLUENCE ESTIMATES ARE AS FOLLOWS:
 PEAK FLOW RATE(CFS) =      13.13   Tc(MIN.) =   10.20
 TOTAL AREA(ACRES) =        2.8
 LONGEST FLOWPATH FROM NODE    902.00 TO NODE    104.00 =     681.00 FEET.

****************************************************************************
 FLOW PROCESS FROM NODE    104.00 TO NODE    103.00 IS CODE =  52
----------------------------------------------------------------------------
 >>>>>COMPUTE NATURAL VALLEY CHANNEL FLOW<<<<<
 >>>>>TRAVELTIME THRU SUBAREA<<<<<
============================================================================
 ELEVATION DATA: UPSTREAM(FEET) =    534.50  DOWNSTREAM(FEET) =    533.50
 CHANNEL LENGTH THRU SUBAREA(FEET) =   120.00   CHANNEL SLOPE =  0.0083
 CHANNEL FLOW THRU SUBAREA(CFS) =      13.13
 FLOW VELOCITY(FEET/SEC) =   2.45 (PER LACFCD/RCFC&WCD HYDROLOGY MANUAL)
 TRAVEL TIME(MIN.) =   0.82   Tc(MIN.) =   11.02
 LONGEST FLOWPATH FROM NODE    902.00 TO NODE    103.00 =     801.00 FEET.

****************************************************************************
 FLOW PROCESS FROM NODE    600.00 TO NODE    103.00 IS CODE =  81
----------------------------------------------------------------------------
 >>>>>ADDITION OF SUBAREA TO MAINLINE PEAK FLOW<<<<<
============================================================================
  100 YEAR RAINFALL INTENSITY(INCH/HOUR) =  5.064
 *USER SPECIFIED(SUBAREA):
 USER-SPECIFIED RUNOFF COEFFICIENT = .8200
 S.C.S. CURVE NUMBER (AMC II) =   0
 AREA-AVERAGE RUNOFF COEFFICIENT = 0.8195
 SUBAREA AREA(ACRES) =    0.15   SUBAREA RUNOFF(CFS) =    0.62
 TOTAL AREA(ACRES) =        2.9   TOTAL RUNOFF(CFS) =      13.13
 TC(MIN.) =   11.02
 NOTE: PEAK FLOW RATE DEFAULTED TO UPSTREAM VALUE

****************************************************************************
 FLOW PROCESS FROM NODE    103.00 TO NODE    103.00 IS CODE =   1
----------------------------------------------------------------------------
 >>>>>DESIGNATE INDEPENDENT STREAM FOR CONFLUENCE<<<<<
============================================================================
 TOTAL NUMBER OF STREAMS =  3
 CONFLUENCE VALUES USED FOR INDEPENDENT STREAM  1 ARE:
 TIME OF CONCENTRATION(MIN.) =   11.02
 RAINFALL INTENSITY(INCH/HR) =   5.06
 TOTAL STREAM AREA(ACRES) =     2.93
 PEAK FLOW RATE(CFS) AT CONFLUENCE =     13.13

****************************************************************************
 FLOW PROCESS FROM NODE    902.00 TO NODE    501.00 IS CODE =  21
----------------------------------------------------------------------------
```

```
  >>>>>RATIONAL METHOD INITIAL SUBAREA ANALYSIS<<<<<
==============================================================================
  *USER SPECIFIED(SUBAREA):
  USER-SPECIFIED RUNOFF COEFFICIENT = .8100
  S.C.S. CURVE NUMBER (AMC II) =   0
  INITIAL SUBAREA FLOW-LENGTH(FEET) =    61.00
  UPSTREAM ELEVATION(FEET) =    545.00
  DOWNSTREAM ELEVATION(FEET) =    544.13
  ELEVATION DIFFERENCE(FEET) =      0.87
  SUBAREA OVERLAND TIME OF FLOW(MIN.) =    3.622
   100 YEAR RAINFALL INTENSITY(INCH/HOUR) =  8.431
  NOTE: RAINFALL INTENSITY IS BASED ON Tc = 5-MINUTE.
  SUBAREA RUNOFF(CFS) =      0.55
  TOTAL AREA(ACRES) =      0.08   TOTAL RUNOFF(CFS) =      0.55

****************************************************************************
  FLOW PROCESS FROM NODE    501.00 TO NODE    500.00 IS CODE =  52
----------------------------------------------------------------------------
  >>>>>COMPUTE NATURAL VALLEY CHANNEL FLOW<<<<<
  >>>>>TRAVELTIME THRU SUBAREA<<<<<
==============================================================================
  ELEVATION DATA: UPSTREAM(FEET) =    544.13  DOWNSTREAM(FEET) =    539.00
  CHANNEL LENGTH THRU SUBAREA(FEET) =   500.00   CHANNEL SLOPE =  0.0103
  NOTE: CHANNEL FLOW OF 1. CFS WAS ASSUMED IN VELOCITY ESTIMATION
  CHANNEL FLOW THRU SUBAREA(CFS) =       0.55
  FLOW VELOCITY(FEET/SEC) =   1.52 (PER LACFCD/RCFC&WCD HYDROLOGY MANUAL)
  TRAVEL TIME(MIN.) =   5.48   Tc(MIN.) =    9.11
  LONGEST FLOWPATH FROM NODE    902.00 TO NODE    500.00 =     561.00 FEET.

****************************************************************************
  FLOW PROCESS FROM NODE    501.00 TO NODE    500.00 IS CODE =  81
----------------------------------------------------------------------------
  >>>>>ADDITION OF SUBAREA TO MAINLINE PEAK FLOW<<<<<
==============================================================================
   100 YEAR RAINFALL INTENSITY(INCH/HOUR) =  5.727
  *USER SPECIFIED(SUBAREA):
  USER-SPECIFIED RUNOFF COEFFICIENT = .8100
  S.C.S. CURVE NUMBER (AMC II) =   0
  AREA-AVERAGE RUNOFF COEFFICIENT = 0.8100
  SUBAREA AREA(ACRES) =    1.28   SUBAREA RUNOFF(CFS) =    5.94
  TOTAL AREA(ACRES) =        1.4   TOTAL RUNOFF(CFS) =       6.31
  TC(MIN.) =    9.11

****************************************************************************
  FLOW PROCESS FROM NODE    500.00 TO NODE    103.00 IS CODE =  52
----------------------------------------------------------------------------
  >>>>>COMPUTE NATURAL VALLEY CHANNEL FLOW<<<<<
  >>>>>TRAVELTIME THRU SUBAREA<<<<<
==============================================================================
  ELEVATION DATA: UPSTREAM(FEET) =    539.00  DOWNSTREAM(FEET) =    533.50
  CHANNEL LENGTH THRU SUBAREA(FEET) =    35.00   CHANNEL SLOPE =  0.1571
  NOTE: CHANNEL SLOPE OF .1 WAS ASSUMED IN VELOCITY ESTIMATION
  CHANNEL FLOW THRU SUBAREA(CFS) =       6.31
  FLOW VELOCITY(FEET/SEC) =   7.05 (PER LACFCD/RCFC&WCD HYDROLOGY MANUAL)
  TRAVEL TIME(MIN.) =   0.08   Tc(MIN.) =    9.19
  LONGEST FLOWPATH FROM NODE    902.00 TO NODE    103.00 =     596.00 FEET.

****************************************************************************
  FLOW PROCESS FROM NODE    103.00 TO NODE    103.00 IS CODE =   1
----------------------------------------------------------------------------
  >>>>>DESIGNATE INDEPENDENT STREAM FOR CONFLUENCE<<<<<
==============================================================================
  TOTAL NUMBER OF STREAMS =  3
  CONFLUENCE VALUES USED FOR INDEPENDENT STREAM  2 ARE:
  TIME OF CONCENTRATION(MIN.) =    9.19
  RAINFALL INTENSITY(INCH/HR) =   5.69
  TOTAL STREAM AREA(ACRES) =     1.36
  PEAK FLOW RATE(CFS) AT CONFLUENCE =      6.31

****************************************************************************
  FLOW PROCESS FROM NODE    402.00 TO NODE    401.00 IS CODE =  21
----------------------------------------------------------------------------
  >>>>>RATIONAL METHOD INITIAL SUBAREA ANALYSIS<<<<<
==============================================================================
  *USER SPECIFIED(SUBAREA):
  USER-SPECIFIED RUNOFF COEFFICIENT = .8100
  S.C.S. CURVE NUMBER (AMC II) =   0
  INITIAL SUBAREA FLOW-LENGTH(FEET) =    56.00
  UPSTREAM ELEVATION(FEET) =    542.71
  DOWNSTREAM ELEVATION(FEET) =    542.00
  ELEVATION DIFFERENCE(FEET) =      0.71
  SUBAREA OVERLAND TIME OF FLOW(MIN.) =    3.609
   100 YEAR RAINFALL INTENSITY(INCH/HOUR) =  8.431
  NOTE: RAINFALL INTENSITY IS BASED ON Tc = 5-MINUTE.
  SUBAREA RUNOFF(CFS) =      2.05
  TOTAL AREA(ACRES) =      0.30   TOTAL RUNOFF(CFS) =      2.05

****************************************************************************
  FLOW PROCESS FROM NODE    401.00 TO NODE    400.00 IS CODE =  52
----------------------------------------------------------------------------
  >>>>>COMPUTE NATURAL VALLEY CHANNEL FLOW<<<<<
  >>>>>TRAVELTIME THRU SUBAREA<<<<<
==============================================================================
  ELEVATION DATA: UPSTREAM(FEET) =    542.00  DOWNSTREAM(FEET) =    538.99
  CHANNEL LENGTH THRU SUBAREA(FEET) =   270.00   CHANNEL SLOPE =  0.0111
  CHANNEL FLOW THRU SUBAREA(CFS) =       2.05
  FLOW VELOCITY(FEET/SEC) =   1.83 (PER LACFCD/RCFC&WCD HYDROLOGY MANUAL)
  TRAVEL TIME(MIN.) =   2.46   Tc(MIN.) =    6.07
  LONGEST FLOWPATH FROM NODE    402.00 TO NODE    400.00 =     326.00 FEET.
```

```
****************************************************************************
  FLOW PROCESS FROM NODE    401.00 TO NODE    400.00 IS CODE =  81
----------------------------------------------------------------------------
  >>>>>ADDITION OF SUBAREA TO MAINLINE PEAK FLOW<<<<<
============================================================================
   100 YEAR RAINFALL INTENSITY(INCH/HOUR) =  7.437
  *USER SPECIFIED(SUBAREA):
  USER-SPECIFIED RUNOFF COEFFICIENT = .8100
  S.C.S. CURVE NUMBER (AMC II) =   0
  AREA-AVERAGE RUNOFF COEFFICIENT = 0.8100
  SUBAREA AREA(ACRES) =    1.64   SUBAREA RUNOFF(CFS) =    9.88
  TOTAL AREA(ACRES) =        1.9   TOTAL RUNOFF(CFS) =      11.69
  TC(MIN.) =    6.07

****************************************************************************
  FLOW PROCESS FROM NODE    400.00 TO NODE    103.00 IS CODE =  31
----------------------------------------------------------------------------
  >>>>>COMPUTE PIPE-FLOW TRAVEL TIME THRU SUBAREA<<<<<
  >>>>>USING COMPUTER-ESTIMATED PIPESIZE (NON-PRESSURE FLOW)<<<<<
============================================================================
  ELEVATION DATA: UPSTREAM(FEET) =   538.99  DOWNSTREAM(FEET) =   533.50
  FLOW LENGTH(FEET) =    50.00   MANNING'S N =  0.013
  DEPTH OF FLOW IN  15.0 INCH PIPE IS   8.2 INCHES
  PIPE-FLOW VELOCITY(FEET/SEC.) =  17.13
  ESTIMATED PIPE DIAMETER(INCH) =  15.00    NUMBER OF PIPES =   1
  PIPE-FLOW(CFS) =      11.69
  PIPE TRAVEL TIME(MIN.) =   0.05    Tc(MIN.) =    6.12
  LONGEST FLOWPATH FROM NODE    402.00 TO NODE    103.00 =     376.00 FEET.

****************************************************************************
  FLOW PROCESS FROM NODE    103.00 TO NODE    103.00 IS CODE =   1
----------------------------------------------------------------------------
  >>>>>DESIGNATE INDEPENDENT STREAM FOR CONFLUENCE<<<<<
  >>>>>AND COMPUTE VARIOUS CONFLUENCED STREAM VALUES<<<<<
============================================================================
  TOTAL NUMBER OF STREAMS =  3
  CONFLUENCE VALUES USED FOR INDEPENDENT STREAM  3 ARE:
  TIME OF CONCENTRATION(MIN.) =    6.12
  RAINFALL INTENSITY(INCH/HR) =   7.40
  TOTAL STREAM AREA(ACRES) =     1.94
  PEAK FLOW RATE(CFS) AT CONFLUENCE =     11.69

  ** CONFLUENCE DATA **
  STREAM     RUNOFF       Tc      INTENSITY      AREA
  NUMBER      (CFS)     (MIN.)   (INCH/HOUR)    (ACRE)
      1       13.13    11.02        5.064          2.93
      2        6.31     9.19        5.694          1.36
      3       11.69     6.12        7.399          1.94

  RAINFALL INTENSITY AND TIME OF CONCENTRATION RATIO

  CONFLUENCE FORMULA USED FOR  3 STREAMS.

  ** PEAK FLOW RATE TABLE **
  STREAM     RUNOFF       Tc      INTENSITY
  NUMBER      (CFS)     (MIN.)   (INCH/HOUR)
      1       24.88     6.12        7.399
      2       26.98     9.19        5.694
      3       26.74    11.02        5.064

  COMPUTED CONFLUENCE ESTIMATES ARE AS FOLLOWS:
  PEAK FLOW RATE(CFS) =      26.98   Tc(MIN.) =    9.19
  TOTAL AREA(ACRES) =        6.2
  LONGEST FLOWPATH FROM NODE    902.00 TO NODE    103.00 =     801.00 FEET.

****************************************************************************
  FLOW PROCESS FROM NODE    103.00 TO NODE    102.00 IS CODE =  52
----------------------------------------------------------------------------
  >>>>>COMPUTE NATURAL VALLEY CHANNEL FLOW<<<<<
  >>>>>TRAVELTIME THRU SUBAREA<<<<<
============================================================================
  ELEVATION DATA: UPSTREAM(FEET) =    533.50  DOWNSTREAM(FEET) =    533.00
  CHANNEL LENGTH THRU SUBAREA(FEET) =   160.00   CHANNEL SLOPE =  0.0031
  CHANNEL FLOW THRU SUBAREA(CFS) =      26.98
  FLOW VELOCITY(FEET/SEC) =   1.82 (PER LACFCD/RCFC&WCD HYDROLOGY MANUAL)
  TRAVEL TIME(MIN.) =   1.47   Tc(MIN.) =   10.66
  LONGEST FLOWPATH FROM NODE    902.00 TO NODE    102.00 =     961.00 FEET.

****************************************************************************
  FLOW PROCESS FROM NODE    300.00 TO NODE    102.00 IS CODE =  81
----------------------------------------------------------------------------
  >>>>>ADDITION OF SUBAREA TO MAINLINE PEAK FLOW<<<<<
============================================================================
   100 YEAR RAINFALL INTENSITY(INCH/HOUR) =  5.175
  *USER SPECIFIED(SUBAREA):
  USER-SPECIFIED RUNOFF COEFFICIENT = .8200
  S.C.S. CURVE NUMBER (AMC II) =   0
  AREA-AVERAGE RUNOFF COEFFICIENT = 0.8147
  SUBAREA AREA(ACRES) =    0.31   SUBAREA RUNOFF(CFS) =    1.32
  TOTAL AREA(ACRES) =        6.5   TOTAL RUNOFF(CFS) =      27.57
  TC(MIN.) =   10.66

****************************************************************************
  FLOW PROCESS FROM NODE    102.00 TO NODE    101.00 IS CODE =  52
----------------------------------------------------------------------------
  >>>>>COMPUTE NATURAL VALLEY CHANNEL FLOW<<<<<
  >>>>>TRAVELTIME THRU SUBAREA<<<<<
============================================================================
  ELEVATION DATA: UPSTREAM(FEET) =    533.00  DOWNSTREAM(FEET) =    532.00
  CHANNEL LENGTH THRU SUBAREA(FEET) =   100.00   CHANNEL SLOPE =  0.0100
  CHANNEL FLOW THRU SUBAREA(CFS) =      27.57
```

```
  FLOW VELOCITY(FEET/SEC) =   3.27 (PER LACFCD/RCFC&WCD HYDROLOGY MANUAL)
  TRAVEL TIME(MIN.) =   0.51   Tc(MIN.) =   11.17
  LONGEST FLOWPATH FROM NODE    902.00 TO NODE    101.00 =    1061.00 FEET.

****************************************************************************
  FLOW PROCESS FROM NODE    101.00 TO NODE    101.00 IS CODE =   1
----------------------------------------------------------------------------
  >>>>>DESIGNATE INDEPENDENT STREAM FOR CONFLUENCE<<<<<
============================================================================
  TOTAL NUMBER OF STREAMS =  2
  CONFLUENCE VALUES USED FOR INDEPENDENT STREAM  1 ARE:
  TIME OF CONCENTRATION(MIN.) =   11.17
  RAINFALL INTENSITY(INCH/HR) =   5.02
  TOTAL STREAM AREA(ACRES) =     6.54
  PEAK FLOW RATE(CFS) AT CONFLUENCE =     27.57

****************************************************************************
  FLOW PROCESS FROM NODE    202.00 TO NODE    201.00 IS CODE =  21
----------------------------------------------------------------------------
  >>>>>RATIONAL METHOD INITIAL SUBAREA ANALYSIS<<<<<
============================================================================
  *USER SPECIFIED(SUBAREA):
  USER-SPECIFIED RUNOFF COEFFICIENT = .8100
  S.C.S. CURVE NUMBER (AMC II) =   0
  INITIAL SUBAREA FLOW-LENGTH(FEET) =    72.00
  UPSTREAM ELEVATION(FEET) =    542.50
  DOWNSTREAM ELEVATION(FEET) =    539.80
  ELEVATION DIFFERENCE(FEET) =      2.70
  SUBAREA OVERLAND TIME OF FLOW(MIN.) =    2.851
   100 YEAR RAINFALL INTENSITY(INCH/HOUR) =  8.431
  NOTE: RAINFALL INTENSITY IS BASED ON Tc = 5-MINUTE.
  SUBAREA RUNOFF(CFS) =      2.05
  TOTAL AREA(ACRES) =      0.30   TOTAL RUNOFF(CFS) =      2.05

****************************************************************************
  FLOW PROCESS FROM NODE    201.00 TO NODE    200.00 IS CODE =  52
----------------------------------------------------------------------------
  >>>>>COMPUTE NATURAL VALLEY CHANNEL FLOW<<<<<
  >>>>>TRAVELTIME THRU SUBAREA<<<<<
============================================================================
  ELEVATION DATA: UPSTREAM(FEET) =    539.80  DOWNSTREAM(FEET) =    537.33
  CHANNEL LENGTH THRU SUBAREA(FEET) =   145.00   CHANNEL SLOPE =  0.0170
  CHANNEL FLOW THRU SUBAREA(CFS) =       2.05
  FLOW VELOCITY(FEET/SEC) =   2.26 (PER LACFCD/RCFC&WCD HYDROLOGY MANUAL)
  TRAVEL TIME(MIN.) =   1.07   Tc(MIN.) =    3.92
  LONGEST FLOWPATH FROM NODE    202.00 TO NODE    200.00 =     217.00 FEET.

****************************************************************************
  FLOW PROCESS FROM NODE    201.00 TO NODE    200.00 IS CODE =  81
----------------------------------------------------------------------------
  >>>>>ADDITION OF SUBAREA TO MAINLINE PEAK FLOW<<<<<
============================================================================
   100 YEAR RAINFALL INTENSITY(INCH/HOUR) =  8.431
  NOTE: RAINFALL INTENSITY IS BASED ON Tc = 5-MINUTE.
  *USER SPECIFIED(SUBAREA):
  USER-SPECIFIED RUNOFF COEFFICIENT = .8100
  S.C.S. CURVE NUMBER (AMC II) =   0
  AREA-AVERAGE RUNOFF COEFFICIENT = 0.8100
  SUBAREA AREA(ACRES) =    1.09   SUBAREA RUNOFF(CFS) =    7.44
  TOTAL AREA(ACRES) =      1.4   TOTAL RUNOFF(CFS) =      9.49
  TC(MIN.) =    3.92

****************************************************************************
  FLOW PROCESS FROM NODE    200.00 TO NODE    101.00 IS CODE =  52
----------------------------------------------------------------------------
  >>>>>COMPUTE NATURAL VALLEY CHANNEL FLOW<<<<<
  >>>>>TRAVELTIME THRU SUBAREA<<<<<
============================================================================
  ELEVATION DATA: UPSTREAM(FEET) =    537.33  DOWNSTREAM(FEET) =    532.00
  CHANNEL LENGTH THRU SUBAREA(FEET) =    35.00   CHANNEL SLOPE =  0.1523
  NOTE: CHANNEL SLOPE OF .1 WAS ASSUMED IN VELOCITY ESTIMATION
  CHANNEL FLOW THRU SUBAREA(CFS) =       9.49
  FLOW VELOCITY(FEET/SEC) =   7.80 (PER LACFCD/RCFC&WCD HYDROLOGY MANUAL)
  TRAVEL TIME(MIN.) =   0.07   Tc(MIN.) =    4.00
  LONGEST FLOWPATH FROM NODE    202.00 TO NODE    101.00 =     252.00 FEET.

****************************************************************************
  FLOW PROCESS FROM NODE    101.00 TO NODE    101.00 IS CODE =   1
----------------------------------------------------------------------------
  >>>>>DESIGNATE INDEPENDENT STREAM FOR CONFLUENCE<<<<<
  >>>>>AND COMPUTE VARIOUS CONFLUENCED STREAM VALUES<<<<<
============================================================================
  TOTAL NUMBER OF STREAMS =  2
  CONFLUENCE VALUES USED FOR INDEPENDENT STREAM  2 ARE:
  TIME OF CONCENTRATION(MIN.) =    4.00
  RAINFALL INTENSITY(INCH/HR) =   8.43
  TOTAL STREAM AREA(ACRES) =     1.39
  PEAK FLOW RATE(CFS) AT CONFLUENCE =      9.49

  ** CONFLUENCE DATA **
  STREAM     RUNOFF       Tc      INTENSITY      AREA
  NUMBER      (CFS)     (MIN.)   (INCH/HOUR)    (ACRE)
      1       27.57    11.17        5.021          6.54
      2        9.49     4.00        8.431          1.39

  RAINFALL INTENSITY AND TIME OF CONCENTRATION RATIO
  CONFLUENCE FORMULA USED FOR  2 STREAMS.

  ** PEAK FLOW RATE TABLE **
  STREAM     RUNOFF       Tc      INTENSITY
```

```
  NUMBER      (CFS)    (MIN.)   (INCH/HOUR)
      1       25.92     4.00       8.431
      2       33.23    11.17       5.021

  COMPUTED CONFLUENCE ESTIMATES ARE AS FOLLOWS:
  PEAK FLOW RATE(CFS) =      33.23   Tc(MIN.) =   11.17
  TOTAL AREA(ACRES) =        7.9
  LONGEST FLOWPATH FROM NODE    902.00 TO NODE    101.00 =    1061.00 FEET.

****************************************************************************
  FLOW PROCESS FROM NODE    101.00 TO NODE    100.00 IS CODE =  52
----------------------------------------------------------------------------
  >>>>>COMPUTE NATURAL VALLEY CHANNEL FLOW<<<<<
  >>>>>TRAVELTIME THRU SUBAREA<<<<<
============================================================================
  ELEVATION DATA: UPSTREAM(FEET) =    532.00  DOWNSTREAM(FEET) =    531.40
  CHANNEL LENGTH THRU SUBAREA(FEET) =   110.00   CHANNEL SLOPE =  0.0055
  CHANNEL FLOW THRU SUBAREA(CFS) =      33.23
  FLOW VELOCITY(FEET/SEC) =   2.54 (PER LACFCD/RCFC&WCD HYDROLOGY MANUAL)
  TRAVEL TIME(MIN.) =   0.72   Tc(MIN.) =   11.89
  LONGEST FLOWPATH FROM NODE    902.00 TO NODE    100.00 =    1171.00 FEET.
============================================================================
  END OF STUDY SUMMARY:
  TOTAL AREA(ACRES)     =        7.9  TC(MIN.) =     11.89
  PEAK FLOW RATE(CFS)   =      33.23
============================================================================
============================================================================
  END OF RATIONAL METHOD ANALYSIS
```

APPENDIX 4: AES PROPOSED HYDROLOGY ANALYSIS

FUSCOE ENGINEERING
6390 Greenwich Drive, Suite 170
San Diego, California 92122
tel 858.554.1500 ◦ fax 858.597.0335
www.fuscoe.com

Job Name: MARCOS
Job #: 1960-01
Run Name: AV-P100.DAT
Date: 3/3/2023
Notes: General Commercial NO DETENTION
Soil Type C: C=0.81 Soil Type D: C=0.82
P6=3.2

Node 1	Node 2	Code	Elev 1 (feet)	Elev 2 (feet)	Length (feet)	C Factor	Area (acres)	Comments	BANK 1	2	3
1000	1000	7	Tc=6.81 Q=4.45			A=	0.92	From 1000 Run			
1000	106	5	536.5	535.6	60	-	-				
106	106	1	-	-	-	-	-	1 of 2			
907	906	2	544.5	543.73	70	0.82	0.09				
906	904	3	540.78	538.85	195						
906	904	8				0.82	0.48	I1			
904	902	3	538.85	538.68	35	-	-				
902	900	3	538.68	535.76	15	-	-				
900	106	5	535.76	535.6	15	-	-				
106	106	1	-	-	-	-	-	2 of 2			
106	105	5	535.6	535	145	-	-				
105	104	5	535	534.5	88	-	-				
104	104	10	-	-	-	-	-	SAVE TO BANK 1			
740	738	2	545.65	544.1	67	0.81	0.12	G1			
738	736	9	544.1	543.6	45	0.81	0.12	G2			
736	730	3	543.6	542.85	80	-	-				
730	730	1	-	-	-	-	-	1 of 2			
734	732	2	544.35	543.6	75	0.81	0.14	G3			
732	730	3	543.6	542.85	90	-	-				
730	730	1	-	-	-	-	-	2 of 2			
730	730	8				0.82	1.45	G4			
730	720	3	538.25	537.65	75	-	-				
720	720	1	-	-	-	-	-	1 of 2			
724	722	2	543.04	542.25	66	0.81	0.08	G5			
722	720	9	542.25	542	90	0.82	0.38	G6			
720	720	1	-	-	-	-	-	2 of 2			
720	706	3	537.65	535.98	155	-	-				
706	706	1	-	-	-	-	-	1 of 2			
714	712	2	546	545.48	55	0.81	0.1	G7			
712	710	9	545.48	544.5	190	0.81	0.74	G8			
708	706	3	539.5	535.98	700	-	-				
706	706	1	-	-	-	-	-	2 of 2			
706	704	3	535.98	535.27	98	-	-				
704	704	8				0.82	0.81	G9			

FUSCOE ENGINEERING
6390 Greenwich Drive, Suite 170
San Diego, California 92122
tel 858.554.1500 ◦ fax 858.597.0335
www.fuscoe.com

Job Name: MARCOS
Job #: 1960-01
Run Name: AV-P100.DAT
Date: 3/3/2023
Notes: General Commercial NO DETENTION
Soil Type C: C=0.81 Soil Type D: C=0.82
P6=3.2

Node 1	Node 2	Code	Elev 1 (feet)	Elev 2 (feet)	Length (feet)	C Factor	Area (acres)	Comments	BANK 1	BANK 2	BANK 3
704	702	3	535.27	535.22	10	-	-				
702	700	4	535.22	534.93	17	-	-	30"			
700	104	5	534.93	534.5	16	-	-				
104	104	11	-	-	-	-	-	ADD BANK 1			
104	103	5	534.5	533.5	120	-	-				
103	103	1	-	-	-	-	-	1 of 2			
400	400	7	Tc=10.19	Q=4.78		A=	1.28	From 400 Run			
400	103	3	534.35	533.5	35	-	-				
103	103	1	-	-	-	-	-	2 of 2			
103	102	5	533.5	533	160	-	-				
102	102	1	-	-	-	-	-	1 of 2			
315	310	2	543	541.75	58	0.82	0.15	C1			
310	305	9	541.75	540.5	172	0.81	1.21	C2			
305	301	3	535.81	535.14	175	-	-				
301	300	3	535.14	534.5	32	-	-				
300	102	5	534.5	533	25	-	-				
102	102	1	-	-	-	-	-	2 of 2			
102	101	5	533	532	100	-	-				
101	101	1	-	-	-	-	-	1 of 2			
200	200	7	Tc=9.73	Q=10.23		A=	2.57	From 200 Run			
200	101	4	533.87	532	30	-	-	2-18"			
101	101	1	-	-	-	-	-	2 of 2			
101	100	5	532	531.4	110	-	-				
							10.64				

```
_____
*****************************************************************************

           RATIONAL METHOD HYDROLOGY COMPUTER PROGRAM PACKAGE
           Reference: SAN DIEGO COUNTY FLOOD CONTROL DISTRICT
                        2003,1985,1981 HYDROLOGY MANUAL
        (c) Copyright 1982-2016 Advanced Engineering Software (aes)
            Ver. 23.0 Release Date: 07/01/2016  License ID 1355

                          Analysis prepared by:

                            Fuscoe Engineering
                            6390 Greenwich Dr
                                Suite 170
                           San Diego, CA 92064

 ************************ DESCRIPTION OF STUDY *************************
* ARTISTS VILLAGE                                                      *
* PROPOSED HYDROLOGY - NO DETENTION                                    *
* BASIN 100                                                            *
 ***********************************************************************

  FILE NAME: AV-P100.DAT
  TIME/DATE OF STUDY: 15:28 02/23/2023
-----------------------------------------------------------------------------
  USER SPECIFIED HYDROLOGY AND HYDRAULIC MODEL INFORMATION:
-----------------------------------------------------------------------------
  2003 SAN DIEGO MANUAL CRITERIA

  USER SPECIFIED STORM EVENT(YEAR) = 100.00
  6-HOUR DURATION PRECIPITATION (INCHES) =   3.200
  SPECIFIED MINIMUM PIPE SIZE(INCH) =   3.00
  SPECIFIED PERCENT OF GRADIENTS(DECIMAL) TO USE FOR FRICTION SLOPE = 0.90
  SAN DIEGO HYDROLOGY MANUAL "C"-VALUES USED FOR RATIONAL METHOD
  NOTE: USE MODIFIED RATIONAL METHOD PROCEDURES FOR CONFLUENCE ANALYSIS
  *USER-DEFINED STREET-SECTIONS FOR COUPLED PIPEFLOW AND STREETFLOW MODEL*
     HALF-  CROWN TO   STREET-CROSSFALL:   CURB  GUTTER-GEOMETRIES:  MANNING
     WIDTH  CROSSFALL  IN-  / OUT-/PARK-  HEIGHT  WIDTH  LIP   HIKE  FACTOR
NO.   (FT)     (FT)    SIDE / SIDE/ WAY    (FT)    (FT)  (FT)  (FT)    (n)
===  =====  =========  =================  ======  ===== ====== ===== =======
  1   30.0     20.0    0.018/0.018/0.020   0.67    2.00 0.0312 0.167 0.0150

  GLOBAL STREET FLOW-DEPTH CONSTRAINTS:
    1. Relative Flow-Depth =  0.00 FEET
       as (Maximum Allowable Street Flow Depth) - (Top-of-Curb)
    2. (Depth)*(Velocity) Constraint =  6.0 (FT*FT/S)
  *SIZE PIPE WITH A FLOW CAPACITY GREATER THAN
   OR EQUAL TO THE UPSTREAM TRIBUTARY PIPE.*

*****************************************************************************

  FLOW PROCESS FROM NODE   1000.00 TO NODE   1000.00 IS CODE =   7
-----------------------------------------------------------------------------
  >>>>>USER SPECIFIED HYDROLOGY INFORMATION AT NODE<<<<<
=============================================================================
  USER-SPECIFIED VALUES ARE AS FOLLOWS:
  TC(MIN) =   6.81   RAIN INTENSITY(INCH/HOUR) =  6.91
  TOTAL AREA(ACRES) =     0.92   TOTAL RUNOFF(CFS) =      4.45

*****************************************************************************
  FLOW PROCESS FROM NODE   1000.00 TO NODE    106.00 IS CODE =  52
-----------------------------------------------------------------------------
  >>>>>COMPUTE NATURAL VALLEY CHANNEL FLOW<<<<<
  >>>>>TRAVELTIME THRU SUBAREA<<<<<
=============================================================================
  ELEVATION DATA: UPSTREAM(FEET) =    536.50  DOWNSTREAM(FEET) =    535.60
  CHANNEL LENGTH THRU SUBAREA(FEET) =    60.00   CHANNEL SLOPE =  0.0150
  CHANNEL FLOW THRU SUBAREA(CFS) =       4.45
  FLOW VELOCITY(FEET/SEC) =   2.51 (PER LACFCD/RCFC&WCD HYDROLOGY MANUAL)
  TRAVEL TIME(MIN.) =   0.40   Tc(MIN.) =    7.21
  LONGEST FLOWPATH FROM NODE      0.00 TO NODE    106.00 =      60.00 FEET.

*****************************************************************************
  FLOW PROCESS FROM NODE    106.00 TO NODE    106.00 IS CODE =   1
-----------------------------------------------------------------------------
  >>>>>DESIGNATE INDEPENDENT STREAM FOR CONFLUENCE<<<<<
=============================================================================
  TOTAL NUMBER OF STREAMS =  2
  CONFLUENCE VALUES USED FOR INDEPENDENT STREAM  1 ARE:
  TIME OF CONCENTRATION(MIN.) =    7.21
  RAINFALL INTENSITY(INCH/HR) =   6.66
  TOTAL STREAM AREA(ACRES) =     0.92
  PEAK FLOW RATE(CFS) AT CONFLUENCE =      4.45

*****************************************************************************
  FLOW PROCESS FROM NODE    907.00 TO NODE    906.00 IS CODE =  21
-----------------------------------------------------------------------------
  >>>>>RATIONAL METHOD INITIAL SUBAREA ANALYSIS<<<<<
=============================================================================
  *USER SPECIFIED(SUBAREA):
  USER-SPECIFIED RUNOFF COEFFICIENT = .8200
  S.C.S. CURVE NUMBER (AMC II) =   0
  INITIAL SUBAREA FLOW-LENGTH(FEET) =    70.00
  UPSTREAM ELEVATION(FEET) =    544.50
  DOWNSTREAM ELEVATION(FEET) =    543.73
  ELEVATION DIFFERENCE(FEET) =      0.77
  SUBAREA OVERLAND TIME OF FLOW(MIN.) =    3.981
  WARNING: INITIAL SUBAREA FLOW PATH LENGTH IS GREATER THAN
           THE MAXIMUM OVERLAND FLOW LENGTH =    66.50
           (Reference: Table 3-1B of Hydrology Manual)
           THE MAXIMUM OVERLAND FLOW LENGTH IS USED IN Tc CALCULATION!
```

```
 100 YEAR RAINFALL INTENSITY(INCH/HOUR) =  8.431
NOTE: RAINFALL INTENSITY IS BASED ON Tc = 5-MINUTE.
SUBAREA RUNOFF(CFS) =      0.62
TOTAL AREA(ACRES) =      0.09   TOTAL RUNOFF(CFS) =      0.62

****************************************************************************
 FLOW PROCESS FROM NODE    906.00 TO NODE    904.00 IS CODE =  31
----------------------------------------------------------------------------
 >>>>>COMPUTE PIPE-FLOW TRAVEL TIME THRU SUBAREA<<<<<
 >>>>>USING COMPUTER-ESTIMATED PIPESIZE (NON-PRESSURE FLOW)<<<<<
============================================================================
 ELEVATION DATA: UPSTREAM(FEET) =   540.78  DOWNSTREAM(FEET) =   538.85
 FLOW LENGTH(FEET) =   195.00   MANNING'S N =  0.013
 DEPTH OF FLOW IN   9.0 INCH PIPE IS   4.0 INCHES
 PIPE-FLOW VELOCITY(FEET/SEC.) =   3.32
 ESTIMATED PIPE DIAMETER(INCH) =   9.00    NUMBER OF PIPES =   1
 PIPE-FLOW(CFS) =       0.62
 PIPE TRAVEL TIME(MIN.) =   0.98    Tc(MIN.) =    4.96
 LONGEST FLOWPATH FROM NODE    907.00 TO NODE    904.00 =     265.00 FEET.

****************************************************************************
 FLOW PROCESS FROM NODE    906.00 TO NODE    904.00 IS CODE =  81
----------------------------------------------------------------------------
 >>>>>ADDITION OF SUBAREA TO MAINLINE PEAK FLOW<<<<<
============================================================================
 100 YEAR RAINFALL INTENSITY(INCH/HOUR) =  8.431
 NOTE: RAINFALL INTENSITY IS BASED ON Tc = 5-MINUTE.
 *USER SPECIFIED(SUBAREA):
 USER-SPECIFIED RUNOFF COEFFICIENT = .8200
 S.C.S. CURVE NUMBER (AMC II) =   0
 AREA-AVERAGE RUNOFF COEFFICIENT = 0.8200
 SUBAREA AREA(ACRES) =    0.48   SUBAREA RUNOFF(CFS) =    3.32
 TOTAL AREA(ACRES) =        0.6   TOTAL RUNOFF(CFS) =       3.94
 TC(MIN.) =    4.96

****************************************************************************
 FLOW PROCESS FROM NODE    904.00 TO NODE    902.00 IS CODE =  31
----------------------------------------------------------------------------
 >>>>>COMPUTE PIPE-FLOW TRAVEL TIME THRU SUBAREA<<<<<
 >>>>>USING COMPUTER-ESTIMATED PIPESIZE (NON-PRESSURE FLOW)<<<<<
============================================================================
 ELEVATION DATA: UPSTREAM(FEET) =   538.85  DOWNSTREAM(FEET) =   538.68
 FLOW LENGTH(FEET) =    35.00   MANNING'S N =  0.013
 DEPTH OF FLOW IN  15.0 INCH PIPE IS  11.4 INCHES
 PIPE-FLOW VELOCITY(FEET/SEC.) =   3.95
 ESTIMATED PIPE DIAMETER(INCH) =  15.00    NUMBER OF PIPES =   1
 PIPE-FLOW(CFS) =       3.94
 PIPE TRAVEL TIME(MIN.) =   0.15    Tc(MIN.) =    5.11
 LONGEST FLOWPATH FROM NODE    907.00 TO NODE    902.00 =     300.00 FEET.

****************************************************************************
 FLOW PROCESS FROM NODE    902.00 TO NODE    900.00 IS CODE =  31
----------------------------------------------------------------------------
 >>>>>COMPUTE PIPE-FLOW TRAVEL TIME THRU SUBAREA<<<<<
 >>>>>USING COMPUTER-ESTIMATED PIPESIZE (NON-PRESSURE FLOW)<<<<<
============================================================================
 ELEVATION DATA: UPSTREAM(FEET) =   538.68  DOWNSTREAM(FEET) =   535.76
 FLOW LENGTH(FEET) =    15.00   MANNING'S N =  0.013
 DEPTH OF FLOW IN   9.0 INCH PIPE IS   4.9 INCHES
 PIPE-FLOW VELOCITY(FEET/SEC.) =  16.17
 ESTIMATED PIPE DIAMETER(INCH) =   9.00    NUMBER OF PIPES =   1
 PIPE-FLOW(CFS) =       3.94
 PIPE TRAVEL TIME(MIN.) =   0.02    Tc(MIN.) =    5.12
 LONGEST FLOWPATH FROM NODE    907.00 TO NODE    900.00 =     315.00 FEET.

****************************************************************************
 FLOW PROCESS FROM NODE    900.00 TO NODE    106.00 IS CODE =  52
----------------------------------------------------------------------------
 >>>>>COMPUTE NATURAL VALLEY CHANNEL FLOW<<<<<
 >>>>>TRAVELTIME THRU SUBAREA<<<<<
============================================================================
 ELEVATION DATA: UPSTREAM(FEET) =    535.76  DOWNSTREAM(FEET) =    535.60
 CHANNEL LENGTH THRU SUBAREA(FEET) =    15.00   CHANNEL SLOPE =  0.0107
 CHANNEL FLOW THRU SUBAREA(CFS) =       3.94
 FLOW VELOCITY(FEET/SEC) =   2.06 (PER LACFCD/RCFC&WCD HYDROLOGY MANUAL)
 TRAVEL TIME(MIN.) =   0.12   Tc(MIN.) =    5.24
 LONGEST FLOWPATH FROM NODE    907.00 TO NODE    106.00 =     330.00 FEET.

****************************************************************************
 FLOW PROCESS FROM NODE    106.00 TO NODE    106.00 IS CODE =   1
----------------------------------------------------------------------------
 >>>>>DESIGNATE INDEPENDENT STREAM FOR CONFLUENCE<<<<<
 >>>>>AND COMPUTE VARIOUS CONFLUENCED STREAM VALUES<<<<<
============================================================================
 TOTAL NUMBER OF STREAMS =  2
 CONFLUENCE VALUES USED FOR INDEPENDENT STREAM  2 ARE:
 TIME OF CONCENTRATION(MIN.) =    5.24
 RAINFALL INTENSITY(INCH/HR) =   8.18
 TOTAL STREAM AREA(ACRES) =     0.57
 PEAK FLOW RATE(CFS) AT CONFLUENCE =      3.94

 ** CONFLUENCE DATA **
 STREAM     RUNOFF       Tc      INTENSITY      AREA
 NUMBER      (CFS)     (MIN.)   (INCH/HOUR)    (ACRE)
     1        4.45     7.21        6.660          0.92
     2        3.94     5.24        8.176          0.57

 RAINFALL INTENSITY AND TIME OF CONCENTRATION RATIO
 CONFLUENCE FORMULA USED FOR  2 STREAMS.
```

```
  ** PEAK FLOW RATE TABLE **
  STREAM     RUNOFF      Tc       INTENSITY
  NUMBER      (CFS)    (MIN.)   (INCH/HOUR)
      1        7.18     5.24       8.176
      2        7.66     7.21       6.660

  COMPUTED CONFLUENCE ESTIMATES ARE AS FOLLOWS:
  PEAK FLOW RATE(CFS) =       7.66   Tc(MIN.) =    7.21
  TOTAL AREA(ACRES) =        1.5
  LONGEST FLOWPATH FROM NODE    907.00 TO NODE    106.00 =     330.00 FEET.

****************************************************************************
  FLOW PROCESS FROM NODE    106.00 TO NODE    105.00 IS CODE =  52
----------------------------------------------------------------------------
  >>>>>COMPUTE NATURAL VALLEY CHANNEL FLOW<<<<<
  >>>>>TRAVELTIME THRU SUBAREA<<<<<
============================================================================
  ELEVATION DATA: UPSTREAM(FEET) =    535.60  DOWNSTREAM(FEET) =    535.00
  CHANNEL LENGTH THRU SUBAREA(FEET) =   145.00   CHANNEL SLOPE =  0.0041
  CHANNEL FLOW THRU SUBAREA(CFS) =       7.66
  FLOW VELOCITY(FEET/SEC) =   1.50 (PER LACFCD/RCFC&WCD HYDROLOGY MANUAL)
  TRAVEL TIME(MIN.) =   1.61   Tc(MIN.) =    8.81
  LONGEST FLOWPATH FROM NODE    907.00 TO NODE    105.00 =     475.00 FEET.

****************************************************************************
  FLOW PROCESS FROM NODE    105.00 TO NODE    104.00 IS CODE =  52
----------------------------------------------------------------------------
  >>>>>COMPUTE NATURAL VALLEY CHANNEL FLOW<<<<<
  >>>>>TRAVELTIME THRU SUBAREA<<<<<
============================================================================
  ELEVATION DATA: UPSTREAM(FEET) =    535.00  DOWNSTREAM(FEET) =    534.50
  CHANNEL LENGTH THRU SUBAREA(FEET) =    88.00   CHANNEL SLOPE =  0.0057
  CHANNEL FLOW THRU SUBAREA(CFS) =       7.66
  FLOW VELOCITY(FEET/SEC) =   1.76 (PER LACFCD/RCFC&WCD HYDROLOGY MANUAL)
  TRAVEL TIME(MIN.) =   0.83   Tc(MIN.) =    9.65
  LONGEST FLOWPATH FROM NODE    907.00 TO NODE    104.00 =     563.00 FEET.

****************************************************************************
  FLOW PROCESS FROM NODE    104.00 TO NODE    104.00 IS CODE =  10
----------------------------------------------------------------------------
  >>>>>MAIN-STREAM MEMORY COPIED ONTO MEMORY BANK # 1 <<<<<
============================================================================

****************************************************************************
  FLOW PROCESS FROM NODE    740.00 TO NODE    738.00 IS CODE =  21
----------------------------------------------------------------------------
  >>>>>RATIONAL METHOD INITIAL SUBAREA ANALYSIS<<<<<
============================================================================
  *USER SPECIFIED(SUBAREA):
  USER-SPECIFIED RUNOFF COEFFICIENT = .8100
  S.C.S. CURVE NUMBER (AMC II) =   0
  INITIAL SUBAREA FLOW-LENGTH(FEET) =    67.00
  UPSTREAM ELEVATION(FEET) =    545.65
  DOWNSTREAM ELEVATION(FEET) =    544.10
  ELEVATION DIFFERENCE(FEET) =      1.55
  SUBAREA OVERLAND TIME OF FLOW(MIN.) =    3.231
   100 YEAR RAINFALL INTENSITY(INCH/HOUR) =  8.431
  NOTE: RAINFALL INTENSITY IS BASED ON Tc = 5-MINUTE.
  SUBAREA RUNOFF(CFS) =      0.82
  TOTAL AREA(ACRES) =      0.12   TOTAL RUNOFF(CFS) =      0.82

****************************************************************************
  FLOW PROCESS FROM NODE    738.00 TO NODE    736.00 IS CODE =  91
----------------------------------------------------------------------------
  >>>>>COMPUTE "V" GUTTER FLOW TRAVEL TIME THRU SUBAREA<<<<<
============================================================================
  UPSTREAM NODE ELEVATION(FEET) =    544.10
  DOWNSTREAM NODE ELEVATION(FEET) =    543.60
  CHANNEL LENGTH THRU SUBAREA(FEET) =    45.00
  "V" GUTTER WIDTH(FEET) =   3.00   GUTTER HIKE(FEET) =  0.125
  PAVEMENT LIP(FEET) =  0.030   MANNING'S N = .0150
  PAVEMENT CROSSFALL(DECIMAL NOTATION) = 0.02000
  MAXIMUM DEPTH(FEET) =   0.62
   100 YEAR RAINFALL INTENSITY(INCH/HOUR) =  8.431
  NOTE: RAINFALL INTENSITY IS BASED ON Tc = 5-MINUTE.
  *USER SPECIFIED(SUBAREA):
  USER-SPECIFIED RUNOFF COEFFICIENT = .8100
  S.C.S. CURVE NUMBER (AMC II) =   0
  TRAVEL TIME COMPUTED USING ESTIMATED FLOW(CFS) =      1.23
  TRAVEL TIME THRU SUBAREA BASED ON VELOCITY(FEET/SEC.) =   2.39
  AVERAGE FLOW DEPTH(FEET) =   0.20   FLOOD WIDTH(FEET) =    7.50
  "V" GUTTER FLOW TRAVEL TIME(MIN.) =   0.31   Tc(MIN.) =    3.54
  SUBAREA AREA(ACRES) =    0.12       SUBAREA RUNOFF(CFS) =    0.82
  AREA-AVERAGE RUNOFF COEFFICIENT =  0.810
  TOTAL AREA(ACRES) =        0.2         PEAK FLOW RATE(CFS) =       1.64

  END OF SUBAREA "V" GUTTER HYDRAULICS:
  DEPTH(FEET) =  0.22   FLOOD WIDTH(FEET) =    9.52
  FLOW VELOCITY(FEET/SEC.) =   2.39   DEPTH*VELOCITY(FT*FT/SEC) =   0.53
  LONGEST FLOWPATH FROM NODE    740.00 TO NODE    736.00 =     112.00 FEET.

****************************************************************************
  FLOW PROCESS FROM NODE    736.00 TO NODE    730.00 IS CODE =  31
----------------------------------------------------------------------------
  >>>>>COMPUTE PIPE-FLOW TRAVEL TIME THRU SUBAREA<<<<<
  >>>>>USING COMPUTER-ESTIMATED PIPESIZE (NON-PRESSURE FLOW)<<<<<
============================================================================
  ELEVATION DATA: UPSTREAM(FEET) =   543.60  DOWNSTREAM(FEET) =   542.85
  FLOW LENGTH(FEET) =    80.00   MANNING'S N =  0.013
  DEPTH OF FLOW IN  12.0 INCH PIPE IS   6.0 INCHES
```

```
  PIPE-FLOW VELOCITY(FEET/SEC.) =   4.18
  ESTIMATED PIPE DIAMETER(INCH) =  12.00    NUMBER OF PIPES =   1
  PIPE-FLOW(CFS) =       1.64
  PIPE TRAVEL TIME(MIN.) =   0.32    Tc(MIN.) =    3.86
  LONGEST FLOWPATH FROM NODE    740.00 TO NODE    730.00 =     192.00 FEET.

****************************************************************************
  FLOW PROCESS FROM NODE    730.00 TO NODE    730.00 IS CODE =   1
----------------------------------------------------------------------------
  >>>>>DESIGNATE INDEPENDENT STREAM FOR CONFLUENCE<<<<<
============================================================================
  TOTAL NUMBER OF STREAMS =  2
  CONFLUENCE VALUES USED FOR INDEPENDENT STREAM  1 ARE:
  TIME OF CONCENTRATION(MIN.) =    3.86
  RAINFALL INTENSITY(INCH/HR) =   8.43
  TOTAL STREAM AREA(ACRES) =     0.24
  PEAK FLOW RATE(CFS) AT CONFLUENCE =      1.64

****************************************************************************
  FLOW PROCESS FROM NODE    734.00 TO NODE    732.00 IS CODE =  21
----------------------------------------------------------------------------
  >>>>>RATIONAL METHOD INITIAL SUBAREA ANALYSIS<<<<<
============================================================================
  *USER SPECIFIED(SUBAREA):
  USER-SPECIFIED RUNOFF COEFFICIENT = .8100
  S.C.S. CURVE NUMBER (AMC II) =   0
  INITIAL SUBAREA FLOW-LENGTH(FEET) =    75.00
  UPSTREAM ELEVATION(FEET) =    544.35
  DOWNSTREAM ELEVATION(FEET) =    543.60
  ELEVATION DIFFERENCE(FEET) =      0.75
  SUBAREA OVERLAND TIME OF FLOW(MIN.) =    4.208
  WARNING: INITIAL SUBAREA FLOW PATH LENGTH IS GREATER THAN
           THE MAXIMUM OVERLAND FLOW LENGTH =    65.00
           (Reference: Table 3-1B of Hydrology Manual)
           THE MAXIMUM OVERLAND FLOW LENGTH IS USED IN Tc CALCULATION!
   100 YEAR RAINFALL INTENSITY(INCH/HOUR) =  8.431
  NOTE: RAINFALL INTENSITY IS BASED ON Tc = 5-MINUTE.
  SUBAREA RUNOFF(CFS) =      0.96
  TOTAL AREA(ACRES) =      0.14   TOTAL RUNOFF(CFS) =      0.96

****************************************************************************
  FLOW PROCESS FROM NODE    732.00 TO NODE    730.00 IS CODE =  31
----------------------------------------------------------------------------
  >>>>>COMPUTE PIPE-FLOW TRAVEL TIME THRU SUBAREA<<<<<
  >>>>>USING COMPUTER-ESTIMATED PIPESIZE (NON-PRESSURE FLOW)<<<<<
============================================================================
  ELEVATION DATA: UPSTREAM(FEET) =   543.60  DOWNSTREAM(FEET) =   542.85
  FLOW LENGTH(FEET) =    90.00   MANNING'S N =  0.013
  DEPTH OF FLOW IN   9.0 INCH PIPE IS   5.4 INCHES
  PIPE-FLOW VELOCITY(FEET/SEC.) =   3.47
  ESTIMATED PIPE DIAMETER(INCH) =   9.00    NUMBER OF PIPES =   1
  PIPE-FLOW(CFS) =       0.96
  PIPE TRAVEL TIME(MIN.) =   0.43    Tc(MIN.) =    4.64
  LONGEST FLOWPATH FROM NODE    734.00 TO NODE    730.00 =     165.00 FEET.

****************************************************************************
  FLOW PROCESS FROM NODE    730.00 TO NODE    730.00 IS CODE =   1
----------------------------------------------------------------------------
  >>>>>DESIGNATE INDEPENDENT STREAM FOR CONFLUENCE<<<<<
  >>>>>AND COMPUTE VARIOUS CONFLUENCED STREAM VALUES<<<<<
============================================================================
  TOTAL NUMBER OF STREAMS =  2
  CONFLUENCE VALUES USED FOR INDEPENDENT STREAM  2 ARE:
  TIME OF CONCENTRATION(MIN.) =    4.64
  RAINFALL INTENSITY(INCH/HR) =   8.43
  TOTAL STREAM AREA(ACRES) =     0.14
  PEAK FLOW RATE(CFS) AT CONFLUENCE =      0.96

  ** CONFLUENCE DATA **
  STREAM     RUNOFF       Tc      INTENSITY      AREA
  NUMBER      (CFS)     (MIN.)   (INCH/HOUR)    (ACRE)
      1        1.64     3.86        8.431          0.24
      2        0.96     4.64        8.431          0.14

  RAINFALL INTENSITY AND TIME OF CONCENTRATION RATIO
  CONFLUENCE FORMULA USED FOR  2 STREAMS.

  ** PEAK FLOW RATE TABLE **
  STREAM     RUNOFF       Tc      INTENSITY
  NUMBER      (CFS)    (MIN.)   (INCH/HOUR)
      1        2.43     3.86        8.431
      2        2.60     4.64        8.431

  COMPUTED CONFLUENCE ESTIMATES ARE AS FOLLOWS:
  PEAK FLOW RATE(CFS) =       2.60   Tc(MIN.) =    4.64
  TOTAL AREA(ACRES) =        0.4
  LONGEST FLOWPATH FROM NODE    740.00 TO NODE    730.00 =     192.00 FEET.

****************************************************************************
  FLOW PROCESS FROM NODE    730.00 TO NODE    730.00 IS CODE =  81
----------------------------------------------------------------------------
  >>>>>ADDITION OF SUBAREA TO MAINLINE PEAK FLOW<<<<<
============================================================================
   100 YEAR RAINFALL INTENSITY(INCH/HOUR) =  8.431
  NOTE: RAINFALL INTENSITY IS BASED ON Tc = 5-MINUTE.
  *USER SPECIFIED(SUBAREA):
  USER-SPECIFIED RUNOFF COEFFICIENT = .8200
  S.C.S. CURVE NUMBER (AMC II) =   0
  AREA-AVERAGE RUNOFF COEFFICIENT = 0.8179
  SUBAREA AREA(ACRES) =    1.45   SUBAREA RUNOFF(CFS) =   10.02
```

```
  TOTAL AREA(ACRES) =        1.8   TOTAL RUNOFF(CFS) =      12.62
  TC(MIN.) =    4.64

****************************************************************************
  FLOW PROCESS FROM NODE    730.00 TO NODE    720.00 IS CODE =  31
----------------------------------------------------------------------------
  >>>>>COMPUTE PIPE-FLOW TRAVEL TIME THRU SUBAREA<<<<<
  >>>>>USING COMPUTER-ESTIMATED PIPESIZE (NON-PRESSURE FLOW)<<<<<
============================================================================
  ELEVATION DATA: UPSTREAM(FEET) =   538.25  DOWNSTREAM(FEET) =   537.65
  FLOW LENGTH(FEET) =    75.00   MANNING'S N =  0.013
  DEPTH OF FLOW IN  21.0 INCH PIPE IS  16.2 INCHES
  PIPE-FLOW VELOCITY(FEET/SEC.) =   6.35
  ESTIMATED PIPE DIAMETER(INCH) =  21.00    NUMBER OF PIPES =   1
  PIPE-FLOW(CFS) =      12.62
  PIPE TRAVEL TIME(MIN.) =   0.20    Tc(MIN.) =    4.84
  LONGEST FLOWPATH FROM NODE    740.00 TO NODE    720.00 =     267.00 FEET.

****************************************************************************
  FLOW PROCESS FROM NODE    720.00 TO NODE    720.00 IS CODE =   1
----------------------------------------------------------------------------
  >>>>>DESIGNATE INDEPENDENT STREAM FOR CONFLUENCE<<<<<
============================================================================
  TOTAL NUMBER OF STREAMS =  2
  CONFLUENCE VALUES USED FOR INDEPENDENT STREAM  1 ARE:
  TIME OF CONCENTRATION(MIN.) =    4.84
  RAINFALL INTENSITY(INCH/HR) =   8.43
  TOTAL STREAM AREA(ACRES) =     1.83
  PEAK FLOW RATE(CFS) AT CONFLUENCE =     12.62

****************************************************************************
  FLOW PROCESS FROM NODE    724.00 TO NODE    722.00 IS CODE =  21
----------------------------------------------------------------------------
  >>>>>RATIONAL METHOD INITIAL SUBAREA ANALYSIS<<<<<
============================================================================
  *USER SPECIFIED(SUBAREA):
  USER-SPECIFIED RUNOFF COEFFICIENT = .8100
  S.C.S. CURVE NUMBER (AMC II) =   0
  INITIAL SUBAREA FLOW-LENGTH(FEET) =    66.00
  UPSTREAM ELEVATION(FEET) =    543.04
  DOWNSTREAM ELEVATION(FEET) =    542.25
  ELEVATION DIFFERENCE(FEET) =      0.79
  SUBAREA OVERLAND TIME OF FLOW(MIN.) =    3.994
   100 YEAR RAINFALL INTENSITY(INCH/HOUR) =  8.431
  NOTE: RAINFALL INTENSITY IS BASED ON Tc = 5-MINUTE.
  SUBAREA RUNOFF(CFS) =      0.55
  TOTAL AREA(ACRES) =      0.08   TOTAL RUNOFF(CFS) =      0.55

****************************************************************************
  FLOW PROCESS FROM NODE    722.00 TO NODE    720.00 IS CODE =  91
----------------------------------------------------------------------------
  >>>>>COMPUTE "V" GUTTER FLOW TRAVEL TIME THRU SUBAREA<<<<<
============================================================================
  UPSTREAM NODE ELEVATION(FEET) =    542.25
  DOWNSTREAM NODE ELEVATION(FEET) =    542.00
  CHANNEL LENGTH THRU SUBAREA(FEET) =    90.00
  "V" GUTTER WIDTH(FEET) =   3.00   GUTTER HIKE(FEET) =  0.125
  PAVEMENT LIP(FEET) =  0.030   MANNING'S N = .0150
  PAVEMENT CROSSFALL(DECIMAL NOTATION) = 0.02000
  MAXIMUM DEPTH(FEET) =   0.62
   100 YEAR RAINFALL INTENSITY(INCH/HOUR) =  8.270
  *USER SPECIFIED(SUBAREA):
  USER-SPECIFIED RUNOFF COEFFICIENT = .8200
  S.C.S. CURVE NUMBER (AMC II) =   0
  TRAVEL TIME COMPUTED USING ESTIMATED FLOW(CFS) =      1.84
  TRAVEL TIME THRU SUBAREA BASED ON VELOCITY(FEET/SEC.) =   1.30
  AVERAGE FLOW DEPTH(FEET) =   0.28   FLOOD WIDTH(FEET) =   15.39
  "V" GUTTER FLOW TRAVEL TIME(MIN.) =   1.16   Tc(MIN.) =    5.15
  SUBAREA AREA(ACRES) =    0.38       SUBAREA RUNOFF(CFS) =    2.58
  AREA-AVERAGE RUNOFF COEFFICIENT =  0.818
  TOTAL AREA(ACRES) =        0.5         PEAK FLOW RATE(CFS) =       3.11

  END OF SUBAREA "V" GUTTER HYDRAULICS:
  DEPTH(FEET) =  0.32   FLOOD WIDTH(FEET) =   19.98
  FLOW VELOCITY(FEET/SEC.) =   1.40   DEPTH*VELOCITY(FT*FT/SEC) =   0.45
  LONGEST FLOWPATH FROM NODE    724.00 TO NODE    720.00 =     156.00 FEET.

****************************************************************************
  FLOW PROCESS FROM NODE    720.00 TO NODE    720.00 IS CODE =   1
----------------------------------------------------------------------------
  >>>>>DESIGNATE INDEPENDENT STREAM FOR CONFLUENCE<<<<<
  >>>>>AND COMPUTE VARIOUS CONFLUENCED STREAM VALUES<<<<<
============================================================================
  TOTAL NUMBER OF STREAMS =  2
  CONFLUENCE VALUES USED FOR INDEPENDENT STREAM  2 ARE:
  TIME OF CONCENTRATION(MIN.) =    5.15
  RAINFALL INTENSITY(INCH/HR) =   8.27
  TOTAL STREAM AREA(ACRES) =     0.46
  PEAK FLOW RATE(CFS) AT CONFLUENCE =      3.11

  ** CONFLUENCE DATA **
  STREAM     RUNOFF       Tc      INTENSITY      AREA
  NUMBER      (CFS)     (MIN.)   (INCH/HOUR)    (ACRE)
      1       12.62     4.84        8.431          1.83
      2        3.11     5.15        8.270          0.46

  RAINFALL INTENSITY AND TIME OF CONCENTRATION RATIO
  CONFLUENCE FORMULA USED FOR  2 STREAMS.

  ** PEAK FLOW RATE TABLE **
```

```
  STREAM     RUNOFF      Tc      INTENSITY
  NUMBER      (CFS)    (MIN.)   (INCH/HOUR)
      1       15.54     4.84       8.431
      2       15.49     5.15       8.270

  COMPUTED CONFLUENCE ESTIMATES ARE AS FOLLOWS:
  PEAK FLOW RATE(CFS) =      15.54   Tc(MIN.) =    4.84
  TOTAL AREA(ACRES) =        2.3
  LONGEST FLOWPATH FROM NODE    740.00 TO NODE    720.00 =     267.00 FEET.

****************************************************************************
  FLOW PROCESS FROM NODE    720.00 TO NODE    706.00 IS CODE =  31
----------------------------------------------------------------------------
  >>>>>COMPUTE PIPE-FLOW TRAVEL TIME THRU SUBAREA<<<<<
  >>>>>USING COMPUTER-ESTIMATED PIPESIZE (NON-PRESSURE FLOW)<<<<<
============================================================================
  ELEVATION DATA: UPSTREAM(FEET) =   537.65  DOWNSTREAM(FEET) =   535.98
  FLOW LENGTH(FEET) =   155.00   MANNING'S N =  0.013
  DEPTH OF FLOW IN  21.0 INCH PIPE IS  17.1 INCHES
  PIPE-FLOW VELOCITY(FEET/SEC.) =   7.39
  ESTIMATED PIPE DIAMETER(INCH) =  21.00    NUMBER OF PIPES =   1
  PIPE-FLOW(CFS) =      15.54
  PIPE TRAVEL TIME(MIN.) =   0.35    Tc(MIN.) =    5.19
  LONGEST FLOWPATH FROM NODE    740.00 TO NODE    706.00 =     422.00 FEET.

****************************************************************************
  FLOW PROCESS FROM NODE    706.00 TO NODE    706.00 IS CODE =   1
----------------------------------------------------------------------------
  >>>>>DESIGNATE INDEPENDENT STREAM FOR CONFLUENCE<<<<<
============================================================================
  TOTAL NUMBER OF STREAMS =  2
  CONFLUENCE VALUES USED FOR INDEPENDENT STREAM  1 ARE:
  TIME OF CONCENTRATION(MIN.) =    5.19
  RAINFALL INTENSITY(INCH/HR) =   8.23
  TOTAL STREAM AREA(ACRES) =     2.29
  PEAK FLOW RATE(CFS) AT CONFLUENCE =     15.54

****************************************************************************
  FLOW PROCESS FROM NODE    714.00 TO NODE    712.00 IS CODE =  21
----------------------------------------------------------------------------
  >>>>>RATIONAL METHOD INITIAL SUBAREA ANALYSIS<<<<<
============================================================================
  *USER SPECIFIED(SUBAREA):
  USER-SPECIFIED RUNOFF COEFFICIENT = .8100
  S.C.S. CURVE NUMBER (AMC II) =   0
  INITIAL SUBAREA FLOW-LENGTH(FEET) =    55.00
  UPSTREAM ELEVATION(FEET) =    546.00
  DOWNSTREAM ELEVATION(FEET) =    545.48
  ELEVATION DIFFERENCE(FEET) =      0.52
  SUBAREA OVERLAND TIME OF FLOW(MIN.) =    3.944
   100 YEAR RAINFALL INTENSITY(INCH/HOUR) =  8.431
  NOTE: RAINFALL INTENSITY IS BASED ON Tc = 5-MINUTE.
  SUBAREA RUNOFF(CFS) =      0.68
  TOTAL AREA(ACRES) =      0.10   TOTAL RUNOFF(CFS) =      0.68

****************************************************************************
  FLOW PROCESS FROM NODE    712.00 TO NODE    710.00 IS CODE =  91
----------------------------------------------------------------------------
  >>>>>COMPUTE "V" GUTTER FLOW TRAVEL TIME THRU SUBAREA<<<<<
============================================================================
  UPSTREAM NODE ELEVATION(FEET) =    545.48
  DOWNSTREAM NODE ELEVATION(FEET) =    544.50
  CHANNEL LENGTH THRU SUBAREA(FEET) =   190.00
  "V" GUTTER WIDTH(FEET) =   3.00   GUTTER HIKE(FEET) =  0.125
  PAVEMENT LIP(FEET) =  0.030   MANNING'S N = .0150
  PAVEMENT CROSSFALL(DECIMAL NOTATION) = 0.02000
  MAXIMUM DEPTH(FEET) =   0.62
   100 YEAR RAINFALL INTENSITY(INCH/HOUR) =  7.763
  *USER SPECIFIED(SUBAREA):
  USER-SPECIFIED RUNOFF COEFFICIENT = .8100
  S.C.S. CURVE NUMBER (AMC II) =   0
  TRAVEL TIME COMPUTED USING ESTIMATED FLOW(CFS) =      3.01
  TRAVEL TIME THRU SUBAREA BASED ON VELOCITY(FEET/SEC.) =   1.82
  AVERAGE FLOW DEPTH(FEET) =   0.29   FLOOD WIDTH(FEET) =   16.86
  "V" GUTTER FLOW TRAVEL TIME(MIN.) =   1.74   Tc(MIN.) =    5.68
  SUBAREA AREA(ACRES) =    0.74       SUBAREA RUNOFF(CFS) =    4.65
  AREA-AVERAGE RUNOFF COEFFICIENT =  0.810
  TOTAL AREA(ACRES) =        0.8         PEAK FLOW RATE(CFS) =       5.28

  END OF SUBAREA "V" GUTTER HYDRAULICS:
  DEPTH(FEET) =  0.35   FLOOD WIDTH(FEET) =   22.19
  FLOW VELOCITY(FEET/SEC.) =   1.96   DEPTH*VELOCITY(FT*FT/SEC) =   0.68
  LONGEST FLOWPATH FROM NODE    714.00 TO NODE    710.00 =     245.00 FEET.

****************************************************************************
  FLOW PROCESS FROM NODE    708.00 TO NODE    706.00 IS CODE =  31
----------------------------------------------------------------------------
  >>>>>COMPUTE PIPE-FLOW TRAVEL TIME THRU SUBAREA<<<<<
  >>>>>USING COMPUTER-ESTIMATED PIPESIZE (NON-PRESSURE FLOW)<<<<<
============================================================================
  ELEVATION DATA: UPSTREAM(FEET) =   539.50  DOWNSTREAM(FEET) =   535.98
  FLOW LENGTH(FEET) =   700.00   MANNING'S N =  0.013
  DEPTH OF FLOW IN  18.0 INCH PIPE IS  11.6 INCHES
  PIPE-FLOW VELOCITY(FEET/SEC.) =   4.39
  ESTIMATED PIPE DIAMETER(INCH) =  18.00    NUMBER OF PIPES =   1
  PIPE-FLOW(CFS) =       5.28
  PIPE TRAVEL TIME(MIN.) =   2.66    Tc(MIN.) =    8.34
  LONGEST FLOWPATH FROM NODE    714.00 TO NODE    706.00 =     945.00 FEET.

****************************************************************************
```

```
  FLOW PROCESS FROM NODE    706.00 TO NODE    706.00 IS CODE =   1
----------------------------------------------------------------------------
  >>>>>DESIGNATE INDEPENDENT STREAM FOR CONFLUENCE<<<<<
  >>>>>AND COMPUTE VARIOUS CONFLUENCED STREAM VALUES<<<<<
============================================================================
  TOTAL NUMBER OF STREAMS =  2
  CONFLUENCE VALUES USED FOR INDEPENDENT STREAM  2 ARE:
  TIME OF CONCENTRATION(MIN.) =    8.34
  RAINFALL INTENSITY(INCH/HR) =   6.06
  TOTAL STREAM AREA(ACRES) =     0.84
  PEAK FLOW RATE(CFS) AT CONFLUENCE =      5.28

  ** CONFLUENCE DATA **
  STREAM     RUNOFF       Tc      INTENSITY      AREA
  NUMBER      (CFS)     (MIN.)   (INCH/HOUR)    (ACRE)
      1       15.54     5.19        8.233          2.29
      2        5.28     8.34        6.060          0.84

  RAINFALL INTENSITY AND TIME OF CONCENTRATION RATIO
  CONFLUENCE FORMULA USED FOR  2 STREAMS.

  ** PEAK FLOW RATE TABLE **
  STREAM     RUNOFF      Tc      INTENSITY
  NUMBER      (CFS)    (MIN.)   (INCH/HOUR)
      1       18.83     5.19       8.233
      2       16.72     8.34       6.060

  COMPUTED CONFLUENCE ESTIMATES ARE AS FOLLOWS:
  PEAK FLOW RATE(CFS) =      18.83   Tc(MIN.) =    5.19
  TOTAL AREA(ACRES) =        3.1
  LONGEST FLOWPATH FROM NODE    714.00 TO NODE    706.00 =     945.00 FEET.

****************************************************************************
  FLOW PROCESS FROM NODE    706.00 TO NODE    704.00 IS CODE =  31
----------------------------------------------------------------------------
  >>>>>COMPUTE PIPE-FLOW TRAVEL TIME THRU SUBAREA<<<<<
  >>>>>USING COMPUTER-ESTIMATED PIPESIZE (NON-PRESSURE FLOW)<<<<<
============================================================================
  ELEVATION DATA: UPSTREAM(FEET) =   535.98  DOWNSTREAM(FEET) =   535.27
  FLOW LENGTH(FEET) =    98.00   MANNING'S N =  0.013
  DEPTH OF FLOW IN  27.0 INCH PIPE IS  17.5 INCHES
  PIPE-FLOW VELOCITY(FEET/SEC.) =   6.91
  ESTIMATED PIPE DIAMETER(INCH) =  27.00    NUMBER OF PIPES =   1
  PIPE-FLOW(CFS) =      18.83
  PIPE TRAVEL TIME(MIN.) =   0.24    Tc(MIN.) =    5.42
  LONGEST FLOWPATH FROM NODE    714.00 TO NODE    704.00 =    1043.00 FEET.

****************************************************************************
  FLOW PROCESS FROM NODE    704.00 TO NODE    704.00 IS CODE =  81
----------------------------------------------------------------------------
```

```
  >>>>>ADDITION OF SUBAREA TO MAINLINE PEAK FLOW<<<<<
============================================================================
   100 YEAR RAINFALL INTENSITY(INCH/HOUR) =  8.000
  *USER SPECIFIED(SUBAREA):
  USER-SPECIFIED RUNOFF COEFFICIENT = .8200
  S.C.S. CURVE NUMBER (AMC II) =   0
  AREA-AVERAGE RUNOFF COEFFICIENT = 0.8167
  SUBAREA AREA(ACRES) =    0.81   SUBAREA RUNOFF(CFS) =    5.31
  TOTAL AREA(ACRES) =        3.9   TOTAL RUNOFF(CFS) =      25.74
  TC(MIN.) =    5.42

****************************************************************************
  FLOW PROCESS FROM NODE    704.00 TO NODE    702.00 IS CODE =  31
----------------------------------------------------------------------------
  >>>>>COMPUTE PIPE-FLOW TRAVEL TIME THRU SUBAREA<<<<<
  >>>>>USING COMPUTER-ESTIMATED PIPESIZE (NON-PRESSURE FLOW)<<<<<
============================================================================
  ELEVATION DATA: UPSTREAM(FEET) =   535.27  DOWNSTREAM(FEET) =   535.22
  FLOW LENGTH(FEET) =    10.00   MANNING'S N =  0.013
  DEPTH OF FLOW IN  30.0 INCH PIPE IS  23.0 INCHES
  PIPE-FLOW VELOCITY(FEET/SEC.) =   6.37
  ESTIMATED PIPE DIAMETER(INCH) =  30.00    NUMBER OF PIPES =   1
  PIPE-FLOW(CFS) =      25.74
  PIPE TRAVEL TIME(MIN.) =   0.03    Tc(MIN.) =    5.45
  LONGEST FLOWPATH FROM NODE    714.00 TO NODE    702.00 =    1053.00 FEET.

****************************************************************************
  FLOW PROCESS FROM NODE    702.00 TO NODE    700.00 IS CODE =  41
----------------------------------------------------------------------------
  >>>>>COMPUTE PIPE-FLOW TRAVEL TIME THRU SUBAREA<<<<<
  >>>>>USING USER-SPECIFIED PIPESIZE (EXISTING ELEMENT)<<<<<
============================================================================
  ELEVATION DATA: UPSTREAM(FEET) =   535.22  DOWNSTREAM(FEET) =   534.93
  FLOW LENGTH(FEET) =    17.00   MANNING'S N =  0.013
  DEPTH OF FLOW IN  30.0 INCH PIPE IS  15.1 INCHES
  PIPE-FLOW VELOCITY(FEET/SEC.) =  10.39
  GIVEN PIPE DIAMETER(INCH) =  30.00    NUMBER OF PIPES =   1
  PIPE-FLOW(CFS) =      25.74
  PIPE TRAVEL TIME(MIN.) =   0.03    Tc(MIN.) =    5.48
  LONGEST FLOWPATH FROM NODE    714.00 TO NODE    700.00 =    1070.00 FEET.

****************************************************************************
  FLOW PROCESS FROM NODE    700.00 TO NODE    104.00 IS CODE =  52
----------------------------------------------------------------------------
  >>>>>COMPUTE NATURAL VALLEY CHANNEL FLOW<<<<<
  >>>>>TRAVELTIME THRU SUBAREA<<<<<
============================================================================
  ELEVATION DATA: UPSTREAM(FEET) =    534.93  DOWNSTREAM(FEET) =    534.50
  CHANNEL LENGTH THRU SUBAREA(FEET) =    16.00   CHANNEL SLOPE =  0.0269
  CHANNEL FLOW THRU SUBAREA(CFS) =      25.74
```

```
  FLOW VELOCITY(FEET/SEC) =   5.26 (PER LACFCD/RCFC&WCD HYDROLOGY MANUAL)
  TRAVEL TIME(MIN.) =   0.05   Tc(MIN.) =    5.53
  LONGEST FLOWPATH FROM NODE    714.00 TO NODE    104.00 =    1086.00 FEET.

****************************************************************************
  FLOW PROCESS FROM NODE    104.00 TO NODE    104.00 IS CODE =  11
----------------------------------------------------------------------------
  >>>>>CONFLUENCE MEMORY BANK # 1 WITH THE MAIN-STREAM MEMORY<<<<<
============================================================================

  ** MAIN STREAM CONFLUENCE DATA **
  STREAM     RUNOFF      Tc      INTENSITY     AREA
  NUMBER      (CFS)    (MIN.)   (INCH/HOUR)   (ACRE)
      1       25.74     5.53       7.902        3.94
  LONGEST FLOWPATH FROM NODE    714.00 TO NODE    104.00 =    1086.00 FEET.

  ** MEMORY BANK #  1 CONFLUENCE DATA **
  STREAM     RUNOFF      Tc      INTENSITY     AREA
  NUMBER      (CFS)    (MIN.)   (INCH/HOUR)   (ACRE)
      1        7.66     9.65       5.518        1.49
  LONGEST FLOWPATH FROM NODE    907.00 TO NODE    104.00 =     563.00 FEET.

  ** PEAK FLOW RATE TABLE **
  STREAM    RUNOFF       Tc      INTENSITY
  NUMBER     (CFS)     (MIN.)   (INCH/HOUR)
      1      30.13       5.53        7.902
      2      25.64       9.65        5.518

  COMPUTED CONFLUENCE ESTIMATES ARE AS FOLLOWS:
  PEAK FLOW RATE(CFS) =      30.13   Tc(MIN.) =    5.53
  TOTAL AREA(ACRES) =        5.4

****************************************************************************
  FLOW PROCESS FROM NODE    104.00 TO NODE    103.00 IS CODE =  52
----------------------------------------------------------------------------
  >>>>>COMPUTE NATURAL VALLEY CHANNEL FLOW<<<<<
  >>>>>TRAVELTIME THRU SUBAREA<<<<<
============================================================================
  ELEVATION DATA: UPSTREAM(FEET) =    534.50  DOWNSTREAM(FEET) =    533.50
  CHANNEL LENGTH THRU SUBAREA(FEET) =   120.00   CHANNEL SLOPE =  0.0083
  CHANNEL FLOW THRU SUBAREA(CFS) =      30.13
  FLOW VELOCITY(FEET/SEC) =   3.06 (PER LACFCD/RCFC&WCD HYDROLOGY MANUAL)
  TRAVEL TIME(MIN.) =   0.65   Tc(MIN.) =    6.18
  LONGEST FLOWPATH FROM NODE    714.00 TO NODE    103.00 =    1206.00 FEET.

****************************************************************************
  FLOW PROCESS FROM NODE    103.00 TO NODE    103.00 IS CODE =   1
----------------------------------------------------------------------------
  >>>>>DESIGNATE INDEPENDENT STREAM FOR CONFLUENCE<<<<<
============================================================================
  TOTAL NUMBER OF STREAMS =  2
  CONFLUENCE VALUES USED FOR INDEPENDENT STREAM  1 ARE:
  TIME OF CONCENTRATION(MIN.) =    6.18
  RAINFALL INTENSITY(INCH/HR) =   7.35
  TOTAL STREAM AREA(ACRES) =     5.43
  PEAK FLOW RATE(CFS) AT CONFLUENCE =     30.13

****************************************************************************
  FLOW PROCESS FROM NODE    400.00 TO NODE    400.00 IS CODE =   7
----------------------------------------------------------------------------
  >>>>>USER SPECIFIED HYDROLOGY INFORMATION AT NODE<<<<<
============================================================================
  USER-SPECIFIED VALUES ARE AS FOLLOWS:
  TC(MIN) =  10.19   RAIN INTENSITY(INCH/HOUR) =  5.33
  TOTAL AREA(ACRES) =     1.28   TOTAL RUNOFF(CFS) =      4.78

****************************************************************************
  FLOW PROCESS FROM NODE    400.00 TO NODE    103.00 IS CODE =  31
----------------------------------------------------------------------------
  >>>>>COMPUTE PIPE-FLOW TRAVEL TIME THRU SUBAREA<<<<<
  >>>>>USING COMPUTER-ESTIMATED PIPESIZE (NON-PRESSURE FLOW)<<<<<
============================================================================
  ELEVATION DATA: UPSTREAM(FEET) =   534.35  DOWNSTREAM(FEET) =   533.50
  FLOW LENGTH(FEET) =    35.00   MANNING'S N =  0.013
  DEPTH OF FLOW IN  12.0 INCH PIPE IS   9.0 INCHES
  PIPE-FLOW VELOCITY(FEET/SEC.) =   7.60
  ESTIMATED PIPE DIAMETER(INCH) =  12.00    NUMBER OF PIPES =   1
  PIPE-FLOW(CFS) =       4.78
  PIPE TRAVEL TIME(MIN.) =   0.08    Tc(MIN.) =   10.27
  LONGEST FLOWPATH FROM NODE    714.00 TO NODE    103.00 =     980.00 FEET.

****************************************************************************
  FLOW PROCESS FROM NODE    103.00 TO NODE    103.00 IS CODE =   1
----------------------------------------------------------------------------
  >>>>>DESIGNATE INDEPENDENT STREAM FOR CONFLUENCE<<<<<
  >>>>>AND COMPUTE VARIOUS CONFLUENCED STREAM VALUES<<<<<
============================================================================
  TOTAL NUMBER OF STREAMS =  2
  CONFLUENCE VALUES USED FOR INDEPENDENT STREAM  2 ARE:
  TIME OF CONCENTRATION(MIN.) =   10.27
  RAINFALL INTENSITY(INCH/HR) =   5.30
  TOTAL STREAM AREA(ACRES) =     1.28
  PEAK FLOW RATE(CFS) AT CONFLUENCE =      4.78

  ** CONFLUENCE DATA **
  STREAM     RUNOFF       Tc      INTENSITY      AREA
  NUMBER      (CFS)     (MIN.)   (INCH/HOUR)    (ACRE)
      1       30.13     6.18        7.353          5.43
      2        4.78    10.27        5.301          1.28
```

```
  RAINFALL INTENSITY AND TIME OF CONCENTRATION RATIO
  CONFLUENCE FORMULA USED FOR  2 STREAMS.

  ** PEAK FLOW RATE TABLE **
  STREAM     RUNOFF      Tc      INTENSITY
  NUMBER      (CFS)    (MIN.)   (INCH/HOUR)
      1       33.01     6.18       7.353
      2       26.50    10.27       5.301

  COMPUTED CONFLUENCE ESTIMATES ARE AS FOLLOWS:
  PEAK FLOW RATE(CFS) =      33.01   Tc(MIN.) =    6.18
  TOTAL AREA(ACRES) =        6.7
  LONGEST FLOWPATH FROM NODE    714.00 TO NODE    103.00 =    1206.00 FEET.

****************************************************************************
  FLOW PROCESS FROM NODE    103.00 TO NODE    102.00 IS CODE =  52
----------------------------------------------------------------------------
  >>>>>COMPUTE NATURAL VALLEY CHANNEL FLOW<<<<<
  >>>>>TRAVELTIME THRU SUBAREA<<<<<
============================================================================
  ELEVATION DATA: UPSTREAM(FEET) =    533.50  DOWNSTREAM(FEET) =    533.00
  CHANNEL LENGTH THRU SUBAREA(FEET) =   160.00   CHANNEL SLOPE =  0.0031
  CHANNEL FLOW THRU SUBAREA(CFS) =      33.01
  FLOW VELOCITY(FEET/SEC) =   1.92 (PER LACFCD/RCFC&WCD HYDROLOGY MANUAL)
  TRAVEL TIME(MIN.) =   1.39   Tc(MIN.) =    7.57
  LONGEST FLOWPATH FROM NODE    714.00 TO NODE    102.00 =    1366.00 FEET.

****************************************************************************
  FLOW PROCESS FROM NODE    102.00 TO NODE    102.00 IS CODE =   1
----------------------------------------------------------------------------
  >>>>>DESIGNATE INDEPENDENT STREAM FOR CONFLUENCE<<<<<
============================================================================
  TOTAL NUMBER OF STREAMS =  2
  CONFLUENCE VALUES USED FOR INDEPENDENT STREAM  1 ARE:
  TIME OF CONCENTRATION(MIN.) =    7.57
  RAINFALL INTENSITY(INCH/HR) =   6.45
  TOTAL STREAM AREA(ACRES) =     6.71
  PEAK FLOW RATE(CFS) AT CONFLUENCE =     33.01

****************************************************************************
  FLOW PROCESS FROM NODE    315.00 TO NODE    310.00 IS CODE =  21
----------------------------------------------------------------------------
  >>>>>RATIONAL METHOD INITIAL SUBAREA ANALYSIS<<<<<
============================================================================
  *USER SPECIFIED(SUBAREA):
  USER-SPECIFIED RUNOFF COEFFICIENT = .8200
  S.C.S. CURVE NUMBER (AMC II) =   0
  INITIAL SUBAREA FLOW-LENGTH(FEET) =    58.00
  UPSTREAM ELEVATION(FEET) =    543.00
  DOWNSTREAM ELEVATION(FEET) =    541.75
  ELEVATION DIFFERENCE(FEET) =      1.25
  SUBAREA OVERLAND TIME OF FLOW(MIN.) =    2.972
   100 YEAR RAINFALL INTENSITY(INCH/HOUR) =  8.431
  NOTE: RAINFALL INTENSITY IS BASED ON Tc = 5-MINUTE.
  SUBAREA RUNOFF(CFS) =      1.04
  TOTAL AREA(ACRES) =      0.15   TOTAL RUNOFF(CFS) =      1.04

****************************************************************************
  FLOW PROCESS FROM NODE    310.00 TO NODE    305.00 IS CODE =  91
----------------------------------------------------------------------------
  >>>>>COMPUTE "V" GUTTER FLOW TRAVEL TIME THRU SUBAREA<<<<<
============================================================================
  UPSTREAM NODE ELEVATION(FEET) =    541.75
  DOWNSTREAM NODE ELEVATION(FEET) =    540.50
  CHANNEL LENGTH THRU SUBAREA(FEET) =   172.00
  "V" GUTTER WIDTH(FEET) =   3.00   GUTTER HIKE(FEET) =  0.125
  PAVEMENT LIP(FEET) =  0.030   MANNING'S N = .0150
  PAVEMENT CROSSFALL(DECIMAL NOTATION) = 0.02000
  MAXIMUM DEPTH(FEET) =   0.62
   100 YEAR RAINFALL INTENSITY(INCH/HOUR) =  8.431
  NOTE: RAINFALL INTENSITY IS BASED ON Tc = 5-MINUTE.
  *USER SPECIFIED(SUBAREA):
  USER-SPECIFIED RUNOFF COEFFICIENT = .8100
  S.C.S. CURVE NUMBER (AMC II) =   0
  TRAVEL TIME COMPUTED USING ESTIMATED FLOW(CFS) =      5.17
  TRAVEL TIME THRU SUBAREA BASED ON VELOCITY(FEET/SEC.) =   2.28
  AVERAGE FLOW DEPTH(FEET) =   0.33   FLOOD WIDTH(FEET) =   20.17
  "V" GUTTER FLOW TRAVEL TIME(MIN.) =   1.26   Tc(MIN.) =    4.23
  SUBAREA AREA(ACRES) =    1.21       SUBAREA RUNOFF(CFS) =    8.26
  AREA-AVERAGE RUNOFF COEFFICIENT =  0.811
  TOTAL AREA(ACRES) =        1.4         PEAK FLOW RATE(CFS) =       9.30

  END OF SUBAREA "V" GUTTER HYDRAULICS:
  DEPTH(FEET) =  0.39   FLOOD WIDTH(FEET) =   26.22
  FLOW VELOCITY(FEET/SEC.) =   2.53   DEPTH*VELOCITY(FT*FT/SEC) =   0.98
  LONGEST FLOWPATH FROM NODE    315.00 TO NODE    305.00 =     230.00 FEET.

****************************************************************************
  FLOW PROCESS FROM NODE    305.00 TO NODE    301.00 IS CODE =  31
----------------------------------------------------------------------------
  >>>>>COMPUTE PIPE-FLOW TRAVEL TIME THRU SUBAREA<<<<<
  >>>>>USING COMPUTER-ESTIMATED PIPESIZE (NON-PRESSURE FLOW)<<<<<
============================================================================
  ELEVATION DATA: UPSTREAM(FEET) =   535.81  DOWNSTREAM(FEET) =   535.14
  FLOW LENGTH(FEET) =   175.00   MANNING'S N =  0.013
  DEPTH OF FLOW IN  21.0 INCH PIPE IS  17.2 INCHES
  PIPE-FLOW VELOCITY(FEET/SEC.) =   4.41
  ESTIMATED PIPE DIAMETER(INCH) =  21.00    NUMBER OF PIPES =   1
  PIPE-FLOW(CFS) =       9.30
  PIPE TRAVEL TIME(MIN.) =   0.66    Tc(MIN.) =    4.89
```

```
 LONGEST FLOWPATH FROM NODE    315.00 TO NODE    301.00 =     405.00 FEET.

****************************************************************************
 FLOW PROCESS FROM NODE    301.00 TO NODE    300.00 IS CODE =  31
----------------------------------------------------------------------------
 >>>>>COMPUTE PIPE-FLOW TRAVEL TIME THRU SUBAREA<<<<<
 >>>>>USING COMPUTER-ESTIMATED PIPESIZE (NON-PRESSURE FLOW)<<<<<
============================================================================
 ELEVATION DATA: UPSTREAM(FEET) =   535.14  DOWNSTREAM(FEET) =   534.50
 FLOW LENGTH(FEET) =    32.00   MANNING'S N =  0.013
 DEPTH OF FLOW IN  18.0 INCH PIPE IS  10.7 INCHES
 PIPE-FLOW VELOCITY(FEET/SEC.) =   8.52
 ESTIMATED PIPE DIAMETER(INCH) =  18.00    NUMBER OF PIPES =   1
 PIPE-FLOW(CFS) =       9.30
 PIPE TRAVEL TIME(MIN.) =   0.06    Tc(MIN.) =    4.95
 LONGEST FLOWPATH FROM NODE    315.00 TO NODE    300.00 =     437.00 FEET.

****************************************************************************
 FLOW PROCESS FROM NODE    300.00 TO NODE    102.00 IS CODE =  52
----------------------------------------------------------------------------
 >>>>>COMPUTE NATURAL VALLEY CHANNEL FLOW<<<<<
 >>>>>TRAVELTIME THRU SUBAREA<<<<<
============================================================================
 ELEVATION DATA: UPSTREAM(FEET) =    534.50  DOWNSTREAM(FEET) =    533.00
 CHANNEL LENGTH THRU SUBAREA(FEET) =    25.00   CHANNEL SLOPE =  0.0600
 CHANNEL FLOW THRU SUBAREA(CFS) =       9.30
 FLOW VELOCITY(FEET/SEC) =   6.01 (PER LACFCD/RCFC&WCD HYDROLOGY MANUAL)
 TRAVEL TIME(MIN.) =   0.07   Tc(MIN.) =    5.02
 LONGEST FLOWPATH FROM NODE    315.00 TO NODE    102.00 =     462.00 FEET.

****************************************************************************
 FLOW PROCESS FROM NODE    102.00 TO NODE    102.00 IS CODE =   1
----------------------------------------------------------------------------
 >>>>>DESIGNATE INDEPENDENT STREAM FOR CONFLUENCE<<<<<
 >>>>>AND COMPUTE VARIOUS CONFLUENCED STREAM VALUES<<<<<
============================================================================
 TOTAL NUMBER OF STREAMS =  2
 CONFLUENCE VALUES USED FOR INDEPENDENT STREAM  2 ARE:
 TIME OF CONCENTRATION(MIN.) =    5.02
 RAINFALL INTENSITY(INCH/HR) =   8.41
 TOTAL STREAM AREA(ACRES) =     1.36
 PEAK FLOW RATE(CFS) AT CONFLUENCE =      9.30

 ** CONFLUENCE DATA **
 STREAM     RUNOFF       Tc      INTENSITY      AREA
 NUMBER      (CFS)     (MIN.)   (INCH/HOUR)    (ACRE)
     1       33.01     7.57        6.453          6.71
     2        9.30     5.02        8.408          1.36

 RAINFALL INTENSITY AND TIME OF CONCENTRATION RATIO

 CONFLUENCE FORMULA USED FOR  2 STREAMS.

 ** PEAK FLOW RATE TABLE **
 STREAM     RUNOFF       Tc      INTENSITY
 NUMBER      (CFS)     (MIN.)   (INCH/HOUR)
     1       34.64     5.02        8.408
     2       40.15     7.57        6.453

 COMPUTED CONFLUENCE ESTIMATES ARE AS FOLLOWS:
 PEAK FLOW RATE(CFS) =      40.15   Tc(MIN.) =    7.57
 TOTAL AREA(ACRES) =        8.1
 LONGEST FLOWPATH FROM NODE    714.00 TO NODE    102.00 =    1366.00 FEET.

****************************************************************************
 FLOW PROCESS FROM NODE    102.00 TO NODE    101.00 IS CODE =  52
----------------------------------------------------------------------------
 >>>>>COMPUTE NATURAL VALLEY CHANNEL FLOW<<<<<
 >>>>>TRAVELTIME THRU SUBAREA<<<<<
============================================================================
 ELEVATION DATA: UPSTREAM(FEET) =    533.00  DOWNSTREAM(FEET) =    532.00
 CHANNEL LENGTH THRU SUBAREA(FEET) =   100.00   CHANNEL SLOPE =  0.0100
 CHANNEL FLOW THRU SUBAREA(CFS) =      40.15
 FLOW VELOCITY(FEET/SEC) =   3.63 (PER LACFCD/RCFC&WCD HYDROLOGY MANUAL)
 TRAVEL TIME(MIN.) =   0.46   Tc(MIN.) =    8.03
 LONGEST FLOWPATH FROM NODE    714.00 TO NODE    101.00 =    1466.00 FEET.

****************************************************************************
 FLOW PROCESS FROM NODE    101.00 TO NODE    101.00 IS CODE =   1
----------------------------------------------------------------------------
 >>>>>DESIGNATE INDEPENDENT STREAM FOR CONFLUENCE<<<<<
============================================================================
 TOTAL NUMBER OF STREAMS =  2
 CONFLUENCE VALUES USED FOR INDEPENDENT STREAM  1 ARE:
 TIME OF CONCENTRATION(MIN.) =    8.03
 RAINFALL INTENSITY(INCH/HR) =   6.21
 TOTAL STREAM AREA(ACRES) =     8.07
 PEAK FLOW RATE(CFS) AT CONFLUENCE =     40.15

****************************************************************************
 FLOW PROCESS FROM NODE    200.00 TO NODE    200.00 IS CODE =   7
----------------------------------------------------------------------------
 >>>>>USER SPECIFIED HYDROLOGY INFORMATION AT NODE<<<<<
============================================================================
 USER-SPECIFIED VALUES ARE AS FOLLOWS:
 TC(MIN) =   9.73   RAIN INTENSITY(INCH/HOUR) =  5.49
 TOTAL AREA(ACRES) =     2.57   TOTAL RUNOFF(CFS) =     10.23

****************************************************************************
 FLOW PROCESS FROM NODE    200.00 TO NODE    101.00 IS CODE =  41
----------------------------------------------------------------------------
```

```
  >>>>>COMPUTE PIPE-FLOW TRAVEL TIME THRU SUBAREA<<<<<
  >>>>>USING USER-SPECIFIED PIPESIZE (EXISTING ELEMENT)<<<<<
============================================================================
  ELEVATION DATA: UPSTREAM(FEET) =   533.87  DOWNSTREAM(FEET) =   532.00
  FLOW LENGTH(FEET) =    30.00   MANNING'S N =  0.013
  DEPTH OF FLOW IN  18.0 INCH PIPE IS   5.5 INCHES
  PIPE-FLOW VELOCITY(FEET/SEC.) =  11.08
  GIVEN PIPE DIAMETER(INCH) =  18.00    NUMBER OF PIPES =   2
  PIPE-FLOW(CFS) =      10.23
  PIPE TRAVEL TIME(MIN.) =   0.05    Tc(MIN.) =    9.78
  LONGEST FLOWPATH FROM NODE    315.00 TO NODE    101.00 =     492.00 FEET.

****************************************************************************
  FLOW PROCESS FROM NODE    101.00 TO NODE    101.00 IS CODE =   1
----------------------------------------------------------------------------
  >>>>>DESIGNATE INDEPENDENT STREAM FOR CONFLUENCE<<<<<
  >>>>>AND COMPUTE VARIOUS CONFLUENCED STREAM VALUES<<<<<
============================================================================
  TOTAL NUMBER OF STREAMS =  2
  CONFLUENCE VALUES USED FOR INDEPENDENT STREAM  2 ARE:
  TIME OF CONCENTRATION(MIN.) =    9.78
  RAINFALL INTENSITY(INCH/HR) =   5.47
  TOTAL STREAM AREA(ACRES) =     2.57
  PEAK FLOW RATE(CFS) AT CONFLUENCE =     10.23

  ** CONFLUENCE DATA **
  STREAM     RUNOFF       Tc      INTENSITY      AREA
  NUMBER      (CFS)     (MIN.)   (INCH/HOUR)    (ACRE)
      1       40.15     8.03        6.213          8.07
      2       10.23     9.78        5.471          2.57

  RAINFALL INTENSITY AND TIME OF CONCENTRATION RATIO
  CONFLUENCE FORMULA USED FOR  2 STREAMS.

  ** PEAK FLOW RATE TABLE **
  STREAM     RUNOFF      Tc      INTENSITY
  NUMBER      (CFS)    (MIN.)   (INCH/HOUR)
      1       48.55     8.03       6.213
      2       45.59     9.78       5.471

  COMPUTED CONFLUENCE ESTIMATES ARE AS FOLLOWS:
  PEAK FLOW RATE(CFS) =      48.55   Tc(MIN.) =    8.03
  TOTAL AREA(ACRES) =       10.6
  LONGEST FLOWPATH FROM NODE    714.00 TO NODE    101.00 =    1466.00 FEET.

****************************************************************************
  FLOW PROCESS FROM NODE    101.00 TO NODE    100.00 IS CODE =  52
----------------------------------------------------------------------------
  >>>>>COMPUTE NATURAL VALLEY CHANNEL FLOW<<<<<
  >>>>>TRAVELTIME THRU SUBAREA<<<<<
```

```
============================================================================
  ELEVATION DATA: UPSTREAM(FEET) =    532.00  DOWNSTREAM(FEET) =    531.40
  CHANNEL LENGTH THRU SUBAREA(FEET) =   110.00   CHANNEL SLOPE =  0.0055
  CHANNEL FLOW THRU SUBAREA(CFS) =      48.55
  FLOW VELOCITY(FEET/SEC) =   2.83 (PER LACFCD/RCFC&WCD HYDROLOGY MANUAL)
  TRAVEL TIME(MIN.) =   0.65   Tc(MIN.) =    8.67
  LONGEST FLOWPATH FROM NODE    714.00 TO NODE    100.00 =    1576.00 FEET.
============================================================================
  END OF STUDY SUMMARY:
  TOTAL AREA(ACRES)     =       10.6  TC(MIN.) =      8.67
  PEAK FLOW RATE(CFS)   =      48.55
============================================================================
============================================================================
  END OF RATIONAL METHOD ANALYSIS
```

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Job Name: MARCOS
Job #: 1960-01
Run Name: AV-P200.DAT NO DETENTION
Date: 3/3/2023
Notes: 102 units / 5.02 ac = 20.32 DU/AC
Soil Type C: C=0.69 Soil Type D: C=0.71
25%-75% Soil Type D: C=0.70 P6=3.2

Node 1	Node 2	Code	Elev 1 (feet)	Elev 2 (feet)	Length (feet)	C Factor	Area (acres)	Comments	BANK 1	BANK 2	BANK 3
238	236	2	543.6	543.1	55	0.69	0.21	B1			
236	234	9	543.1	542.7	90	0.69	0.25	B2			
234	225	6	542.7	541.5	135	0.69	0.32	B3			
225	225	1						1 OF 3			
232	230	2	542.64	542.25	45	0.69	0.17	B4			
230	225	9	542.25	541.5	105	0.69	0.22	B5			
225	225	1						2 OF 3			
228	226	2	542.4	541.93	60	0.69	0.14	B6			
226	225	9	541.93	541.5	80	0.69	0.17	B7			
225	225	1						3 OF 3			
225	210	6	541.5	540.2	190	0.69	0.04	B8			
210	210	1						1 OF 3			
222	220	2	541.5	540.97	65	0.71	0.21	B9			
220	210	9	540.97	540.2	150	0.7	0.26	B10			
210	210	1						2 OF 3			
214	212	2	542.75	542.04	70	0.71	0.06	B13			
212	210	5	542.04	540.2	130						
212	210	8				0.71	0.11	B14			
210	210	1						3 OF 3			
211	210	8				0.69	0.41	B12			
210	206	3	540.2	536.15	54			DETENTION BASIN IN			
204	202	3	534.78	534.39	78			DETENTION BASIN OUT			
202	200	3	534.39	533.87	100						
							2.57				

```
______________________________________________________________________________
******************************************************************************

           RATIONAL METHOD HYDROLOGY COMPUTER PROGRAM PACKAGE
           Reference: SAN DIEGO COUNTY FLOOD CONTROL DISTRICT
                      2003,1985,1981 HYDROLOGY MANUAL
        (c) Copyright 1982-2016 Advanced Engineering Software (aes)
            Ver. 23.0 Release Date: 07/01/2016  License ID 1355

                          Analysis prepared by:

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                           San Diego, CA 92064

 ************************ DESCRIPTION OF STUDY ************************
* ARTISTS VILLAGE                                                      *
* PROPOSED HYDROLOGY - NO DETENTION                                    *
* BASIN 200                                                            *
 ************************************************************************

  FILE NAME: AV-P200.DAT
  TIME/DATE OF STUDY: 15:31 02/23/2023
------------------------------------------------------------------------------
  USER SPECIFIED HYDROLOGY AND HYDRAULIC MODEL INFORMATION:
------------------------------------------------------------------------------
  2003 SAN DIEGO MANUAL CRITERIA

  USER SPECIFIED STORM EVENT(YEAR) = 100.00
  6-HOUR DURATION PRECIPITATION (INCHES) =   3.200
  SPECIFIED MINIMUM PIPE SIZE(INCH) =   3.00
  SPECIFIED PERCENT OF GRADIENTS(DECIMAL) TO USE FOR FRICTION SLOPE = 0.90
  SAN DIEGO HYDROLOGY MANUAL "C"-VALUES USED FOR RATIONAL METHOD
  NOTE: USE MODIFIED RATIONAL METHOD PROCEDURES FOR CONFLUENCE ANALYSIS
  *USER-DEFINED STREET-SECTIONS FOR COUPLED PIPEFLOW AND STREETFLOW MODEL*
     HALF-  CROWN TO   STREET-CROSSFALL:   CURB  GUTTER-GEOMETRIES:  MANNING
     WIDTH  CROSSFALL  IN-  / OUT-/PARK-  HEIGHT  WIDTH  LIP   HIKE  FACTOR
NO.   (FT)     (FT)    SIDE / SIDE/ WAY    (FT)    (FT)  (FT)  (FT)    (n)
===  =====  =========  =================  ======  ===== ====== ===== =======
  1   24.0      8.0    0.020/0.020/0.020   0.50    1.50 0.0313 0.125 0.0150
  2   13.0      8.0    0.020/0.020/0.020   0.50    1.50 0.0313 0.125 0.0150

  GLOBAL STREET FLOW-DEPTH CONSTRAINTS:
    1. Relative Flow-Depth =  0.00 FEET
       as (Maximum Allowable Street Flow Depth) - (Top-of-Curb)
    2. (Depth)*(Velocity) Constraint =  6.0 (FT*FT/S)
  *SIZE PIPE WITH A FLOW CAPACITY GREATER THAN
   OR EQUAL TO THE UPSTREAM TRIBUTARY PIPE.*

******************************************************************************
  FLOW PROCESS FROM NODE    238.00 TO NODE    236.00 IS CODE =  21
------------------------------------------------------------------------------
  >>>>>RATIONAL METHOD INITIAL SUBAREA ANALYSIS<<<<<
==============================================================================
  *USER SPECIFIED(SUBAREA):
  USER-SPECIFIED RUNOFF COEFFICIENT = .6900
  S.C.S. CURVE NUMBER (AMC II) =   0
  INITIAL SUBAREA FLOW-LENGTH(FEET) =    55.00
  UPSTREAM ELEVATION(FEET) =    543.60
  DOWNSTREAM ELEVATION(FEET) =    543.10
  ELEVATION DIFFERENCE(FEET) =      0.50
  SUBAREA OVERLAND TIME OF FLOW(MIN.) =    5.650
   100 YEAR RAINFALL INTENSITY(INCH/HOUR) =  7.792
  SUBAREA RUNOFF(CFS) =      1.13
  TOTAL AREA(ACRES) =      0.21   TOTAL RUNOFF(CFS) =      1.13

******************************************************************************
  FLOW PROCESS FROM NODE    236.00 TO NODE    234.00 IS CODE =  91
------------------------------------------------------------------------------
  >>>>>COMPUTE "V" GUTTER FLOW TRAVEL TIME THRU SUBAREA<<<<<
==============================================================================
  UPSTREAM NODE ELEVATION(FEET) =    543.10
  DOWNSTREAM NODE ELEVATION(FEET) =    542.70
  CHANNEL LENGTH THRU SUBAREA(FEET) =    90.00
  "V" GUTTER WIDTH(FEET) =   3.00   GUTTER HIKE(FEET) =  0.125
  PAVEMENT LIP(FEET) =  0.030   MANNING'S N = .0150
  PAVEMENT CROSSFALL(DECIMAL NOTATION) = 0.02000
  MAXIMUM DEPTH(FEET) =   1.00
   100 YEAR RAINFALL INTENSITY(INCH/HOUR) =  7.051
  *USER SPECIFIED(SUBAREA):
  USER-SPECIFIED RUNOFF COEFFICIENT = .6900
  S.C.S. CURVE NUMBER (AMC II) =   0
  TRAVEL TIME COMPUTED USING ESTIMATED FLOW(CFS) =      1.74
  TRAVEL TIME THRU SUBAREA BASED ON VELOCITY(FEET/SEC.) =   1.58
  AVERAGE FLOW DEPTH(FEET) =   0.26   FLOOD WIDTH(FEET) =   13.15
  "V" GUTTER FLOW TRAVEL TIME(MIN.) =   0.95   Tc(MIN.) =    6.60
  SUBAREA AREA(ACRES) =    0.25       SUBAREA RUNOFF(CFS) =    1.22
  AREA-AVERAGE RUNOFF COEFFICIENT =  0.690
  TOTAL AREA(ACRES) =        0.5         PEAK FLOW RATE(CFS) =       2.24

  END OF SUBAREA "V" GUTTER HYDRAULICS:
  DEPTH(FEET) =  0.28   FLOOD WIDTH(FEET) =   15.13
  FLOW VELOCITY(FEET/SEC.) =   1.63   DEPTH*VELOCITY(FT*FT/SEC) =   0.45
  LONGEST FLOWPATH FROM NODE    238.00 TO NODE    234.00 =     145.00 FEET.

******************************************************************************
  FLOW PROCESS FROM NODE    234.00 TO NODE    225.00 IS CODE =  62
------------------------------------------------------------------------------
  >>>>>COMPUTE STREET FLOW TRAVEL TIME THRU SUBAREA<<<<<
```

```
  >>>>>(STREET TABLE SECTION #  1 USED)<<<<<
================================================================================
  UPSTREAM ELEVATION(FEET) =  542.70  DOWNSTREAM ELEVATION(FEET) =  541.50
  STREET LENGTH(FEET) =   135.00   CURB HEIGHT(INCHES) =  6.0
  STREET HALFWIDTH(FEET) = 24.00

  DISTANCE FROM CROWN TO CROSSFALL GRADEBREAK(FEET) =   8.00
  INSIDE STREET CROSSFALL(DECIMAL) =  0.020
  OUTSIDE STREET CROSSFALL(DECIMAL)  =  0.020

  SPECIFIED NUMBER OF HALFSTREETS CARRYING RUNOFF =  1
  STREET PARKWAY CROSSFALL(DECIMAL)  =  0.020
  Manning's FRICTION FACTOR for Streetflow Section(curb-to-curb) =   0.0150
  Manning's FRICTION FACTOR for Back-of-Walk Flow Section =   0.0150

    **TRAVEL TIME COMPUTED USING ESTIMATED FLOW(CFS) =       2.95
    STREETFLOW MODEL RESULTS USING ESTIMATED FLOW:
    STREET FLOW DEPTH(FEET) =  0.35
    HALFSTREET FLOOD WIDTH(FEET) =   10.99
    AVERAGE FLOW VELOCITY(FEET/SEC.) =    2.22
    PRODUCT OF DEPTH&VELOCITY(FT*FT/SEC.) =    0.77
  STREET FLOW TRAVEL TIME(MIN.) =   1.01   Tc(MIN.) =    7.61
   100 YEAR RAINFALL INTENSITY(INCH/HOUR) =  6.431
  *USER SPECIFIED(SUBAREA):
  USER-SPECIFIED RUNOFF COEFFICIENT = .6900
  S.C.S. CURVE NUMBER (AMC II) =   0
  AREA-AVERAGE RUNOFF COEFFICIENT =  0.690
  SUBAREA AREA(ACRES) =    0.32      SUBAREA RUNOFF(CFS) =    1.42
  TOTAL AREA(ACRES) =        0.8        PEAK FLOW RATE(CFS) =       3.46

  END OF SUBAREA STREET FLOW HYDRAULICS:
  DEPTH(FEET) = 0.36   HALFSTREET FLOOD WIDTH(FEET) =  11.72
  FLOW VELOCITY(FEET/SEC.) =  2.32   DEPTH*VELOCITY(FT*FT/SEC.) =   0.84
  LONGEST FLOWPATH FROM NODE    238.00 TO NODE    225.00 =     280.00 FEET.

****************************************************************************
  FLOW PROCESS FROM NODE    225.00 TO NODE    225.00 IS CODE =   1
----------------------------------------------------------------------------
  >>>>>DESIGNATE INDEPENDENT STREAM FOR CONFLUENCE<<<<<
============================================================================
  TOTAL NUMBER OF STREAMS =  3
  CONFLUENCE VALUES USED FOR INDEPENDENT STREAM  1 ARE:
  TIME OF CONCENTRATION(MIN.) =    7.61
  RAINFALL INTENSITY(INCH/HR) =   6.43
  TOTAL STREAM AREA(ACRES) =     0.78
  PEAK FLOW RATE(CFS) AT CONFLUENCE =      3.46

****************************************************************************
  FLOW PROCESS FROM NODE    232.00 TO NODE    230.00 IS CODE =  21
----------------------------------------------------------------------------
  >>>>>RATIONAL METHOD INITIAL SUBAREA ANALYSIS<<<<<
============================================================================
  *USER SPECIFIED(SUBAREA):
  USER-SPECIFIED RUNOFF COEFFICIENT = .6900
  S.C.S. CURVE NUMBER (AMC II) =   0
  INITIAL SUBAREA FLOW-LENGTH(FEET) =    45.00
  UPSTREAM ELEVATION(FEET) =    542.60
  DOWNSTREAM ELEVATION(FEET) =    542.30
  ELEVATION DIFFERENCE(FEET) =      0.30
  SUBAREA OVERLAND TIME OF FLOW(MIN.) =    5.667
   100 YEAR RAINFALL INTENSITY(INCH/HOUR) =  7.777
  SUBAREA RUNOFF(CFS) =      0.91
  TOTAL AREA(ACRES) =      0.17   TOTAL RUNOFF(CFS) =      0.91

****************************************************************************
  FLOW PROCESS FROM NODE    230.00 TO NODE    225.00 IS CODE =  91
----------------------------------------------------------------------------
  >>>>>COMPUTE "V" GUTTER FLOW TRAVEL TIME THRU SUBAREA<<<<<
============================================================================
  UPSTREAM NODE ELEVATION(FEET) =    542.30
  DOWNSTREAM NODE ELEVATION(FEET) =    541.50
  CHANNEL LENGTH THRU SUBAREA(FEET) =   105.00
  "V" GUTTER WIDTH(FEET) =   3.00   GUTTER HIKE(FEET) =  0.125
  PAVEMENT LIP(FEET) =  0.030   MANNING'S N = .0150
  PAVEMENT CROSSFALL(DECIMAL NOTATION) = 0.02000
  MAXIMUM DEPTH(FEET) =   2.00
   100 YEAR RAINFALL INTENSITY(INCH/HOUR) =  7.088
  *USER SPECIFIED(SUBAREA):
  USER-SPECIFIED RUNOFF COEFFICIENT = .6900
  S.C.S. CURVE NUMBER (AMC II) =   0
  TRAVEL TIME COMPUTED USING ESTIMATED FLOW(CFS) =      1.45
  TRAVEL TIME THRU SUBAREA BASED ON VELOCITY(FEET/SEC.) =   2.00
  AVERAGE FLOW DEPTH(FEET) =   0.22   FLOOD WIDTH(FEET) =    9.94
  "V" GUTTER FLOW TRAVEL TIME(MIN.) =   0.88   Tc(MIN.) =    6.54
  SUBAREA AREA(ACRES) =    0.22       SUBAREA RUNOFF(CFS) =    1.08
  AREA-AVERAGE RUNOFF COEFFICIENT =  0.690
  TOTAL AREA(ACRES) =        0.4         PEAK FLOW RATE(CFS) =       1.91

  END OF SUBAREA "V" GUTTER HYDRAULICS:
  DEPTH(FEET) =  0.24   FLOOD WIDTH(FEET) =   11.92
  FLOW VELOCITY(FEET/SEC.) =   2.02   DEPTH*VELOCITY(FT*FT/SEC) =   0.49
  LONGEST FLOWPATH FROM NODE    232.00 TO NODE    225.00 =     150.00 FEET.

****************************************************************************
  FLOW PROCESS FROM NODE    225.00 TO NODE    225.00 IS CODE =   1
----------------------------------------------------------------------------
  >>>>>DESIGNATE INDEPENDENT STREAM FOR CONFLUENCE<<<<<
============================================================================
  TOTAL NUMBER OF STREAMS =  3
  CONFLUENCE VALUES USED FOR INDEPENDENT STREAM  2 ARE:
```

```
  TIME OF CONCENTRATION(MIN.) =    6.54
  RAINFALL INTENSITY(INCH/HR) =   7.09
  TOTAL STREAM AREA(ACRES) =     0.39
  PEAK FLOW RATE(CFS) AT CONFLUENCE =      1.91

****************************************************************************
  FLOW PROCESS FROM NODE    228.00 TO NODE    226.00 IS CODE =  21
----------------------------------------------------------------------------
  >>>>>RATIONAL METHOD INITIAL SUBAREA ANALYSIS<<<<<
============================================================================
  *USER SPECIFIED(SUBAREA):
  USER-SPECIFIED RUNOFF COEFFICIENT = .6900
  S.C.S. CURVE NUMBER (AMC II) =   0
  INITIAL SUBAREA FLOW-LENGTH(FEET) =    60.00
  UPSTREAM ELEVATION(FEET) =    542.40
  DOWNSTREAM ELEVATION(FEET) =    541.90
  ELEVATION DIFFERENCE(FEET) =      0.50
  SUBAREA OVERLAND TIME OF FLOW(MIN.) =    6.075
   100 YEAR RAINFALL INTENSITY(INCH/HOUR) =  7.436
  SUBAREA RUNOFF(CFS) =      0.72
  TOTAL AREA(ACRES) =      0.14   TOTAL RUNOFF(CFS) =      0.72

****************************************************************************
  FLOW PROCESS FROM NODE    226.00 TO NODE    225.00 IS CODE =  91
----------------------------------------------------------------------------
  >>>>>COMPUTE "V" GUTTER FLOW TRAVEL TIME THRU SUBAREA<<<<<
============================================================================
  UPSTREAM NODE ELEVATION(FEET) =    541.90
  DOWNSTREAM NODE ELEVATION(FEET) =    541.50
  CHANNEL LENGTH THRU SUBAREA(FEET) =    80.00
  "V" GUTTER WIDTH(FEET) =   3.00   GUTTER HIKE(FEET) =  0.125
  PAVEMENT LIP(FEET) =  0.030   MANNING'S N = .0150
  PAVEMENT CROSSFALL(DECIMAL NOTATION) = 0.02000
  MAXIMUM DEPTH(FEET) =   2.00
   100 YEAR RAINFALL INTENSITY(INCH/HOUR) =  6.851
  *USER SPECIFIED(SUBAREA):
  USER-SPECIFIED RUNOFF COEFFICIENT = .6900
  S.C.S. CURVE NUMBER (AMC II) =   0
  TRAVEL TIME COMPUTED USING ESTIMATED FLOW(CFS) =      1.12
  TRAVEL TIME THRU SUBAREA BASED ON VELOCITY(FEET/SEC.) =   1.62
  AVERAGE FLOW DEPTH(FEET) =   0.22   FLOOD WIDTH(FEET) =    9.58
  "V" GUTTER FLOW TRAVEL TIME(MIN.) =   0.82   Tc(MIN.) =    6.90
  SUBAREA AREA(ACRES) =    0.17       SUBAREA RUNOFF(CFS) =    0.80
  AREA-AVERAGE RUNOFF COEFFICIENT =  0.690
  TOTAL AREA(ACRES) =        0.3         PEAK FLOW RATE(CFS) =       1.47

  END OF SUBAREA "V" GUTTER HYDRAULICS:
  DEPTH(FEET) =  0.24   FLOOD WIDTH(FEET) =   11.56
  FLOW VELOCITY(FEET/SEC.) =   1.63   DEPTH*VELOCITY(FT*FT/SEC) =   0.39
  LONGEST FLOWPATH FROM NODE    228.00 TO NODE    225.00 =     140.00 FEET.
```

```
****************************************************************************
  FLOW PROCESS FROM NODE    225.00 TO NODE    225.00 IS CODE =   1
----------------------------------------------------------------------------
  >>>>>DESIGNATE INDEPENDENT STREAM FOR CONFLUENCE<<<<<
  >>>>>AND COMPUTE VARIOUS CONFLUENCED STREAM VALUES<<<<<
============================================================================
  TOTAL NUMBER OF STREAMS =  3
  CONFLUENCE VALUES USED FOR INDEPENDENT STREAM  3 ARE:
  TIME OF CONCENTRATION(MIN.) =    6.90
  RAINFALL INTENSITY(INCH/HR) =   6.85
  TOTAL STREAM AREA(ACRES) =     0.31
  PEAK FLOW RATE(CFS) AT CONFLUENCE =      1.47

  ** CONFLUENCE DATA **
  STREAM     RUNOFF       Tc      INTENSITY      AREA
  NUMBER      (CFS)     (MIN.)   (INCH/HOUR)    (ACRE)
      1        3.46     7.61        6.431          0.78
      2        1.91     6.54        7.088          0.39
      3        1.47     6.90        6.851          0.31

  RAINFALL INTENSITY AND TIME OF CONCENTRATION RATIO
  CONFLUENCE FORMULA USED FOR  3 STREAMS.

  ** PEAK FLOW RATE TABLE **
  STREAM     RUNOFF       Tc      INTENSITY
  NUMBER      (CFS)     (MIN.)   (INCH/HOUR)
      1        6.27     6.54        7.088
      2        6.45     6.90        6.851
      3        6.57     7.61        6.431

  COMPUTED CONFLUENCE ESTIMATES ARE AS FOLLOWS:
  PEAK FLOW RATE(CFS) =       6.57   Tc(MIN.) =    7.61
  TOTAL AREA(ACRES) =        1.5
  LONGEST FLOWPATH FROM NODE    238.00 TO NODE    225.00 =     280.00 FEET.

****************************************************************************
  FLOW PROCESS FROM NODE    225.00 TO NODE    210.00 IS CODE =  62
----------------------------------------------------------------------------
  >>>>>COMPUTE STREET FLOW TRAVEL TIME THRU SUBAREA<<<<<
  >>>>>(STREET TABLE SECTION #  2 USED)<<<<<
============================================================================
  UPSTREAM ELEVATION(FEET) =  541.50  DOWNSTREAM ELEVATION(FEET) =  540.20
  STREET LENGTH(FEET) =   190.00   CURB HEIGHT(INCHES) =  6.0
  STREET HALFWIDTH(FEET) = 13.00

  DISTANCE FROM CROWN TO CROSSFALL GRADEBREAK(FEET) =   8.00
  INSIDE STREET CROSSFALL(DECIMAL) =  0.020
  OUTSIDE STREET CROSSFALL(DECIMAL)  =  0.020
```

```
  SPECIFIED NUMBER OF HALFSTREETS CARRYING RUNOFF =  1
  STREET PARKWAY CROSSFALL(DECIMAL)  =  0.020
  Manning's FRICTION FACTOR for Streetflow Section(curb-to-curb) =   0.0150
  Manning's FRICTION FACTOR for Back-of-Walk Flow Section =   0.0150

    **TRAVEL TIME COMPUTED USING ESTIMATED FLOW(CFS) =       6.65
    ***STREET FLOW SPLITS OVER STREET-CROWN***
    FULL DEPTH(FEET) =    0.39   FLOOD WIDTH(FEET) =   13.00
    FULL HALF-STREET VELOCITY(FEET/SEC.) =    2.15
    SPLIT DEPTH(FEET) =    0.35   SPLIT FLOOD WIDTH(FEET) =   11.28
    SPLIT FLOW(CFS) =    2.75   SPLIT VELOCITY(FEET/SEC.) =    1.98
    STREETFLOW MODEL RESULTS USING ESTIMATED FLOW:
    STREET FLOW DEPTH(FEET) =  0.39
    HALFSTREET FLOOD WIDTH(FEET) =   13.00
    AVERAGE FLOW VELOCITY(FEET/SEC.) =    2.15
    PRODUCT OF DEPTH&VELOCITY(FT*FT/SEC.) =    0.83
  STREET FLOW TRAVEL TIME(MIN.) =   1.47   Tc(MIN.) =    9.08
   100 YEAR RAINFALL INTENSITY(INCH/HOUR) =  5.738
  *USER SPECIFIED(SUBAREA):
  USER-SPECIFIED RUNOFF COEFFICIENT = .6900
  S.C.S. CURVE NUMBER (AMC II) =   0
  AREA-AVERAGE RUNOFF COEFFICIENT =  0.690
  SUBAREA AREA(ACRES) =    0.04      SUBAREA RUNOFF(CFS) =    0.16
  TOTAL AREA(ACRES) =        1.5        PEAK FLOW RATE(CFS) =       6.57

  END OF SUBAREA STREET FLOW HYDRAULICS:
  DEPTH(FEET) = 0.39   HALFSTREET FLOOD WIDTH(FEET) =  13.00
  FLOW VELOCITY(FEET/SEC.) =  2.15   DEPTH*VELOCITY(FT*FT/SEC.) =   0.83
  LONGEST FLOWPATH FROM NODE    238.00 TO NODE    210.00 =     470.00 FEET.

****************************************************************************
  FLOW PROCESS FROM NODE    210.00 TO NODE    210.00 IS CODE =   1
----------------------------------------------------------------------------
  >>>>>DESIGNATE INDEPENDENT STREAM FOR CONFLUENCE<<<<<
============================================================================
  TOTAL NUMBER OF STREAMS =  3
  CONFLUENCE VALUES USED FOR INDEPENDENT STREAM  1 ARE:
  TIME OF CONCENTRATION(MIN.) =    9.08
  RAINFALL INTENSITY(INCH/HR) =   5.74
  TOTAL STREAM AREA(ACRES) =     1.52
  PEAK FLOW RATE(CFS) AT CONFLUENCE =      6.57

****************************************************************************
  FLOW PROCESS FROM NODE    222.00 TO NODE    220.00 IS CODE =  21
----------------------------------------------------------------------------
  >>>>>RATIONAL METHOD INITIAL SUBAREA ANALYSIS<<<<<
============================================================================
  *USER SPECIFIED(SUBAREA):
  USER-SPECIFIED RUNOFF COEFFICIENT = .7100
  S.C.S. CURVE NUMBER (AMC II) =   0
  INITIAL SUBAREA FLOW-LENGTH(FEET) =    65.00
  UPSTREAM ELEVATION(FEET) =    541.50
  DOWNSTREAM ELEVATION(FEET) =    541.00
  ELEVATION DIFFERENCE(FEET) =      0.50
  SUBAREA OVERLAND TIME OF FLOW(MIN.) =    5.839
  WARNING: INITIAL SUBAREA FLOW PATH LENGTH IS GREATER THAN
           THE MAXIMUM OVERLAND FLOW LENGTH =    58.08
           (Reference: Table 3-1B of Hydrology Manual)
           THE MAXIMUM OVERLAND FLOW LENGTH IS USED IN Tc CALCULATION!
   100 YEAR RAINFALL INTENSITY(INCH/HOUR) =  7.629
  SUBAREA RUNOFF(CFS) =      1.14
  TOTAL AREA(ACRES) =      0.21   TOTAL RUNOFF(CFS) =      1.14

****************************************************************************
  FLOW PROCESS FROM NODE    220.00 TO NODE    210.00 IS CODE =  91
----------------------------------------------------------------------------
  >>>>>COMPUTE "V" GUTTER FLOW TRAVEL TIME THRU SUBAREA<<<<<
============================================================================
  UPSTREAM NODE ELEVATION(FEET) =    541.00
  DOWNSTREAM NODE ELEVATION(FEET) =    540.20
  CHANNEL LENGTH THRU SUBAREA(FEET) =   150.00
  "V" GUTTER WIDTH(FEET) =   3.00   GUTTER HIKE(FEET) =  0.125
  PAVEMENT LIP(FEET) =  0.030   MANNING'S N = .0150
  PAVEMENT CROSSFALL(DECIMAL NOTATION) = 0.02000
  MAXIMUM DEPTH(FEET) =   2.00
   100 YEAR RAINFALL INTENSITY(INCH/HOUR) =  6.611
  *USER SPECIFIED(SUBAREA):
  USER-SPECIFIED RUNOFF COEFFICIENT = .7000
  S.C.S. CURVE NUMBER (AMC II) =   0
  TRAVEL TIME COMPUTED USING ESTIMATED FLOW(CFS) =      1.74
  TRAVEL TIME THRU SUBAREA BASED ON VELOCITY(FEET/SEC.) =   1.72
  AVERAGE FLOW DEPTH(FEET) =   0.25   FLOOD WIDTH(FEET) =   12.46
  "V" GUTTER FLOW TRAVEL TIME(MIN.) =   1.45   Tc(MIN.) =    7.29
  SUBAREA AREA(ACRES) =    0.26       SUBAREA RUNOFF(CFS) =    1.20
  AREA-AVERAGE RUNOFF COEFFICIENT =  0.704
  TOTAL AREA(ACRES) =        0.5         PEAK FLOW RATE(CFS) =       2.19

  END OF SUBAREA "V" GUTTER HYDRAULICS:
  DEPTH(FEET) =  0.27   FLOOD WIDTH(FEET) =   14.26
  FLOW VELOCITY(FEET/SEC.) =   1.75   DEPTH*VELOCITY(FT*FT/SEC) =   0.47
  LONGEST FLOWPATH FROM NODE    222.00 TO NODE    210.00 =     215.00 FEET.

****************************************************************************
  FLOW PROCESS FROM NODE    210.00 TO NODE    210.00 IS CODE =   1
----------------------------------------------------------------------------
  >>>>>DESIGNATE INDEPENDENT STREAM FOR CONFLUENCE<<<<<
============================================================================
  TOTAL NUMBER OF STREAMS =  3
  CONFLUENCE VALUES USED FOR INDEPENDENT STREAM  2 ARE:
  TIME OF CONCENTRATION(MIN.) =    7.29
```

```
  RAINFALL INTENSITY(INCH/HR) =   6.61
  TOTAL STREAM AREA(ACRES) =     0.47
  PEAK FLOW RATE(CFS) AT CONFLUENCE =      2.19

****************************************************************************
  FLOW PROCESS FROM NODE    214.00 TO NODE    212.00 IS CODE =  21
----------------------------------------------------------------------------
  >>>>>RATIONAL METHOD INITIAL SUBAREA ANALYSIS<<<<<
============================================================================
  *USER SPECIFIED(SUBAREA):
  USER-SPECIFIED RUNOFF COEFFICIENT = .7100
  S.C.S. CURVE NUMBER (AMC II) =   0
  INITIAL SUBAREA FLOW-LENGTH(FEET) =    70.00
  UPSTREAM ELEVATION(FEET) =    542.80
  DOWNSTREAM ELEVATION(FEET) =    542.00
  ELEVATION DIFFERENCE(FEET) =      0.80
  SUBAREA OVERLAND TIME OF FLOW(MIN.) =    5.502
  WARNING: INITIAL SUBAREA FLOW PATH LENGTH IS GREATER THAN
           THE MAXIMUM OVERLAND FLOW LENGTH =    67.14
           (Reference: Table 3-1B of Hydrology Manual)
           THE MAXIMUM OVERLAND FLOW LENGTH IS USED IN Tc CALCULATION!
   100 YEAR RAINFALL INTENSITY(INCH/HOUR) =  7.927
  SUBAREA RUNOFF(CFS) =      0.34
  TOTAL AREA(ACRES) =      0.06   TOTAL RUNOFF(CFS) =      0.34

****************************************************************************
  FLOW PROCESS FROM NODE    212.00 TO NODE    210.00 IS CODE =  52
----------------------------------------------------------------------------
  >>>>>COMPUTE NATURAL VALLEY CHANNEL FLOW<<<<<
  >>>>>TRAVELTIME THRU SUBAREA<<<<<
============================================================================
  ELEVATION DATA: UPSTREAM(FEET) =    542.04  DOWNSTREAM(FEET) =    540.20
  CHANNEL LENGTH THRU SUBAREA(FEET) =   130.00   CHANNEL SLOPE =  0.0142
  NOTE: CHANNEL FLOW OF 1. CFS WAS ASSUMED IN VELOCITY ESTIMATION
  CHANNEL FLOW THRU SUBAREA(CFS) =       0.34
  FLOW VELOCITY(FEET/SEC) =   1.78 (PER LACFCD/RCFC&WCD HYDROLOGY MANUAL)
  TRAVEL TIME(MIN.) =   1.21   Tc(MIN.) =    6.72
  LONGEST FLOWPATH FROM NODE    214.00 TO NODE    210.00 =     200.00 FEET.

****************************************************************************
  FLOW PROCESS FROM NODE    212.00 TO NODE    210.00 IS CODE =  81
----------------------------------------------------------------------------
  >>>>>ADDITION OF SUBAREA TO MAINLINE PEAK FLOW<<<<<
============================================================================
   100 YEAR RAINFALL INTENSITY(INCH/HOUR) =  6.970
  *USER SPECIFIED(SUBAREA):
  USER-SPECIFIED RUNOFF COEFFICIENT = .7100
  S.C.S. CURVE NUMBER (AMC II) =   0
  AREA-AVERAGE RUNOFF COEFFICIENT = 0.7100
  SUBAREA AREA(ACRES) =    0.11   SUBAREA RUNOFF(CFS) =    0.54
  TOTAL AREA(ACRES) =        0.2   TOTAL RUNOFF(CFS) =       0.84
  TC(MIN.) =    6.72

****************************************************************************
  FLOW PROCESS FROM NODE    210.00 TO NODE    210.00 IS CODE =   1
----------------------------------------------------------------------------
  >>>>>DESIGNATE INDEPENDENT STREAM FOR CONFLUENCE<<<<<
  >>>>>AND COMPUTE VARIOUS CONFLUENCED STREAM VALUES<<<<<
============================================================================
  TOTAL NUMBER OF STREAMS =  3
  CONFLUENCE VALUES USED FOR INDEPENDENT STREAM  3 ARE:
  TIME OF CONCENTRATION(MIN.) =    6.72
  RAINFALL INTENSITY(INCH/HR) =   6.97
  TOTAL STREAM AREA(ACRES) =     0.17
  PEAK FLOW RATE(CFS) AT CONFLUENCE =      0.84

  ** CONFLUENCE DATA **
  STREAM     RUNOFF       Tc      INTENSITY      AREA
  NUMBER      (CFS)     (MIN.)   (INCH/HOUR)    (ACRE)
      1        6.57     9.08        5.738          1.52
      2        2.19     7.29        6.611          0.47
      3        0.84     6.72        6.970          0.17

  RAINFALL INTENSITY AND TIME OF CONCENTRATION RATIO
  CONFLUENCE FORMULA USED FOR  3 STREAMS.

  ** PEAK FLOW RATE TABLE **
  STREAM     RUNOFF       Tc      INTENSITY
  NUMBER      (CFS)    (MIN.)   (INCH/HOUR)
      1        8.26     6.72       6.970
      2        8.69     7.29       6.611
      3        9.16     9.08       5.738

  COMPUTED CONFLUENCE ESTIMATES ARE AS FOLLOWS:
  PEAK FLOW RATE(CFS) =       9.16   Tc(MIN.) =    9.08
  TOTAL AREA(ACRES) =        2.2
  LONGEST FLOWPATH FROM NODE    238.00 TO NODE    210.00 =     470.00 FEET.

****************************************************************************
  FLOW PROCESS FROM NODE    211.00 TO NODE    210.00 IS CODE =  81
----------------------------------------------------------------------------
  >>>>>ADDITION OF SUBAREA TO MAINLINE PEAK FLOW<<<<<
============================================================================
   100 YEAR RAINFALL INTENSITY(INCH/HOUR) =  5.738
  *USER SPECIFIED(SUBAREA):
  USER-SPECIFIED RUNOFF COEFFICIENT = .6900
  S.C.S. CURVE NUMBER (AMC II) =   0
  AREA-AVERAGE RUNOFF COEFFICIENT = 0.6940
  SUBAREA AREA(ACRES) =    0.41   SUBAREA RUNOFF(CFS) =    1.62
  TOTAL AREA(ACRES) =        2.6   TOTAL RUNOFF(CFS) =      10.23
```

```
  TC(MIN.) =    9.08

****************************************************************************
  FLOW PROCESS FROM NODE    210.00 TO NODE    206.00 IS CODE =  31
----------------------------------------------------------------------------
  >>>>>COMPUTE PIPE-FLOW TRAVEL TIME THRU SUBAREA<<<<<
  >>>>>USING COMPUTER-ESTIMATED PIPESIZE (NON-PRESSURE FLOW)<<<<<
============================================================================
  ELEVATION DATA: UPSTREAM(FEET) =   540.20  DOWNSTREAM(FEET) =   536.20
  FLOW LENGTH(FEET) =    54.00   MANNING'S N =  0.013
  DEPTH OF FLOW IN  15.0 INCH PIPE IS   8.5 INCHES
  PIPE-FLOW VELOCITY(FEET/SEC.) =  14.28
  ESTIMATED PIPE DIAMETER(INCH) =  15.00    NUMBER OF PIPES =   1
  PIPE-FLOW(CFS) =      10.23
  PIPE TRAVEL TIME(MIN.) =   0.06    Tc(MIN.) =    9.14
  LONGEST FLOWPATH FROM NODE    238.00 TO NODE    206.00 =     524.00 FEET.

****************************************************************************
  FLOW PROCESS FROM NODE    204.00 TO NODE    202.00 IS CODE =  31
----------------------------------------------------------------------------
  >>>>>COMPUTE PIPE-FLOW TRAVEL TIME THRU SUBAREA<<<<<
  >>>>>USING COMPUTER-ESTIMATED PIPESIZE (NON-PRESSURE FLOW)<<<<<
============================================================================
  ELEVATION DATA: UPSTREAM(FEET) =   534.80  DOWNSTREAM(FEET) =   534.40
  FLOW LENGTH(FEET) =    78.00   MANNING'S N =  0.013
  DEPTH OF FLOW IN  21.0 INCH PIPE IS  16.4 INCHES
  PIPE-FLOW VELOCITY(FEET/SEC.) =   5.09
  ESTIMATED PIPE DIAMETER(INCH) =  21.00    NUMBER OF PIPES =   1
  PIPE-FLOW(CFS) =      10.23
  PIPE TRAVEL TIME(MIN.) =   0.26    Tc(MIN.) =    9.40
  LONGEST FLOWPATH FROM NODE    238.00 TO NODE    202.00 =     602.00 FEET.

****************************************************************************
  FLOW PROCESS FROM NODE    202.00 TO NODE    200.00 IS CODE =  31
----------------------------------------------------------------------------
  >>>>>COMPUTE PIPE-FLOW TRAVEL TIME THRU SUBAREA<<<<<
  >>>>>USING COMPUTER-ESTIMATED PIPESIZE (NON-PRESSURE FLOW)<<<<<
============================================================================
  ELEVATION DATA: UPSTREAM(FEET) =   534.40  DOWNSTREAM(FEET) =   533.90
  FLOW LENGTH(FEET) =   100.00   MANNING'S N =  0.013
  DEPTH OF FLOW IN  21.0 INCH PIPE IS  16.5 INCHES
  PIPE-FLOW VELOCITY(FEET/SEC.) =   5.03
  ESTIMATED PIPE DIAMETER(INCH) =  21.00    NUMBER OF PIPES =   1
  PIPE-FLOW(CFS) =      10.23
  PIPE TRAVEL TIME(MIN.) =   0.33    Tc(MIN.) =    9.73
  LONGEST FLOWPATH FROM NODE    238.00 TO NODE    200.00 =     702.00 FEET.
============================================================================
  END OF STUDY SUMMARY:
  TOTAL AREA(ACRES)     =        2.6  TC(MIN.) =      9.73
  PEAK FLOW RATE(CFS)   =      10.23

============================================================================
============================================================================
  END OF RATIONAL METHOD ANALYSIS
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Job Name: MARCOS
Job #: 1960-01
Run Name: AV-P400.DAT NO DETENTION
Date: 3/3/2023
Notes: 102 units / 5.02 ac = 20.32 DU/AC
Soil Type C: C=0.69 Soil Type D: C=0.71
25%-75% Soil Type D: C=0.70 P6=3.2

Node 1	Node 2	Code	Elev 1 (feet)	Elev 2 (feet)	Length (feet)	C Factor	Area (acres)	Comments	BANK 1	BANK 2	BANK 3
420	415	2	543.7	543.35	70	0.69	0.23	D1			
415	410	9	543.35	541.3	380	0.69	1.05	D2			
410	405	3	539.45	538.85	75						
							1.28				

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*****************************************************************************

           RATIONAL METHOD HYDROLOGY COMPUTER PROGRAM PACKAGE
           Reference: SAN DIEGO COUNTY FLOOD CONTROL DISTRICT
                      2003,1985,1981 HYDROLOGY MANUAL
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            Ver. 23.0 Release Date: 07/01/2016  License ID 1355

                        Analysis prepared by:

                                  Fuscoe Engineering

                             6390 Greenwich Dr
                                  Ste 170
                            San Diego, CA 92122


 ************************ DESCRIPTION OF STUDY *************************
* ARTISTS VILLAGE                                                      *
* PROPOSED HYDROLOGY - NO DETENTION                                    *
* BASIN 400                                                            *
 ***********************************************************************

  FILE NAME: AV-P400.DAT
  TIME/DATE OF STUDY: 13:47 02/23/2023
-----------------------------------------------------------------------------
  USER SPECIFIED HYDROLOGY AND HYDRAULIC MODEL INFORMATION:
-----------------------------------------------------------------------------
  2003 SAN DIEGO MANUAL CRITERIA

  USER SPECIFIED STORM EVENT(YEAR) = 100.00
  6-HOUR DURATION PRECIPITATION (INCHES) =   3.200
  SPECIFIED MINIMUM PIPE SIZE(INCH) =   3.00
  SPECIFIED PERCENT OF GRADIENTS(DECIMAL) TO USE FOR FRICTION SLOPE = 0.90
  SAN DIEGO HYDROLOGY MANUAL "C"-VALUES USED FOR RATIONAL METHOD
  NOTE: USE MODIFIED RATIONAL METHOD PROCEDURES FOR CONFLUENCE ANALYSIS
  *USER-DEFINED STREET-SECTIONS FOR COUPLED PIPEFLOW AND STREETFLOW MODEL*
     HALF-  CROWN TO   STREET-CROSSFALL:   CURB  GUTTER-GEOMETRIES:  MANNING
     WIDTH  CROSSFALL  IN-  / OUT-/PARK-  HEIGHT  WIDTH  LIP   HIKE  FACTOR
NO.   (FT)     (FT)    SIDE / SIDE/ WAY    (FT)    (FT)  (FT)  (FT)    (n)
===  =====  =========  ================  ======  ===== ====== ===== =======
  1   30.0     20.0    0.018/0.018/0.020   0.67    2.00 0.0313 0.167 0.0150

  GLOBAL STREET FLOW-DEPTH CONSTRAINTS:
    1. Relative Flow-Depth =  0.00 FEET
       as (Maximum Allowable Street Flow Depth) - (Top-of-Curb)
    2. (Depth)*(Velocity) Constraint =  6.0 (FT*FT/S)
  *SIZE PIPE WITH A FLOW CAPACITY GREATER THAN
   OR EQUAL TO THE UPSTREAM TRIBUTARY PIPE.*

*****************************************************************************
  FLOW PROCESS FROM NODE    420.00 TO NODE    415.00 IS CODE =  21
-----------------------------------------------------------------------------
  >>>>>RATIONAL METHOD INITIAL SUBAREA ANALYSIS<<<<<
=============================================================================
  *USER SPECIFIED(SUBAREA):
  USER-SPECIFIED RUNOFF COEFFICIENT = .6900
  S.C.S. CURVE NUMBER (AMC II) =   0
  INITIAL SUBAREA FLOW-LENGTH(FEET) =    70.00
  UPSTREAM ELEVATION(FEET) =    543.70
  DOWNSTREAM ELEVATION(FEET) =    543.40
  ELEVATION DIFFERENCE(FEET) =      0.30
  SUBAREA OVERLAND TIME OF FLOW(MIN.) =    6.575
  WARNING: INITIAL SUBAREA FLOW PATH LENGTH IS GREATER THAN
           THE MAXIMUM OVERLAND FLOW LENGTH =    50.00
           (Reference: Table 3-1B of Hydrology Manual)
           THE MAXIMUM OVERLAND FLOW LENGTH IS USED IN Tc CALCULATION!
   100 YEAR RAINFALL INTENSITY(INCH/HOUR) =  7.066
  SUBAREA RUNOFF(CFS) =      1.12
  TOTAL AREA(ACRES) =      0.23   TOTAL RUNOFF(CFS) =      1.12

*****************************************************************************
  FLOW PROCESS FROM NODE    415.00 TO NODE    410.00 IS CODE =  91
-----------------------------------------------------------------------------
  >>>>>COMPUTE "V" GUTTER FLOW TRAVEL TIME THRU SUBAREA<<<<<
=============================================================================
  UPSTREAM NODE ELEVATION(FEET) =    543.40
  DOWNSTREAM NODE ELEVATION(FEET) =    541.30
  CHANNEL LENGTH THRU SUBAREA(FEET) =   380.00
  "V" GUTTER WIDTH(FEET) =   3.00   GUTTER HIKE(FEET) =  0.125
  PAVEMENT LIP(FEET) =  0.030   MANNING'S N = .0150
  PAVEMENT CROSSFALL(DECIMAL NOTATION) = 0.02000
  MAXIMUM DEPTH(FEET) =   2.00
   100 YEAR RAINFALL INTENSITY(INCH/HOUR) =  5.413
  *USER SPECIFIED(SUBAREA):
  USER-SPECIFIED RUNOFF COEFFICIENT = .6900
  S.C.S. CURVE NUMBER (AMC II) =   0
  TRAVEL TIME COMPUTED USING ESTIMATED FLOW(CFS) =      3.09
  TRAVEL TIME THRU SUBAREA BASED ON VELOCITY(FEET/SEC.) =   1.88
  AVERAGE FLOW DEPTH(FEET) =   0.29   FLOOD WIDTH(FEET) =   16.78
  "V" GUTTER FLOW TRAVEL TIME(MIN.) =   3.36   Tc(MIN.) =    9.94
  SUBAREA AREA(ACRES) =    1.05       SUBAREA RUNOFF(CFS) =    3.92
  AREA-AVERAGE RUNOFF COEFFICIENT =  0.690
  TOTAL AREA(ACRES) =        1.3         PEAK FLOW RATE(CFS) =       4.78

  END OF SUBAREA "V" GUTTER HYDRAULICS:
  DEPTH(FEET) =  0.33   FLOOD WIDTH(FEET) =   20.75
  FLOW VELOCITY(FEET/SEC.) =   2.00   DEPTH*VELOCITY(FT*FT/SEC) =   0.67
  LONGEST FLOWPATH FROM NODE    420.00 TO NODE    410.00 =     450.00 FEET.
```

```
****************************************************************************
  FLOW PROCESS FROM NODE    410.00 TO NODE    405.00 IS CODE =  31
----------------------------------------------------------------------------
  >>>>>COMPUTE PIPE-FLOW TRAVEL TIME THRU SUBAREA<<<<<
  >>>>>USING COMPUTER-ESTIMATED PIPESIZE (NON-PRESSURE FLOW)<<<<<
============================================================================
  ELEVATION DATA: UPSTREAM(FEET) =   539.50  DOWNSTREAM(FEET) =   538.90
  FLOW LENGTH(FEET) =    75.00   MANNING'S N =  0.013
  DEPTH OF FLOW IN  15.0 INCH PIPE IS  10.8 INCHES
  PIPE-FLOW VELOCITY(FEET/SEC.) =   5.03
  ESTIMATED PIPE DIAMETER(INCH) =  15.00    NUMBER OF PIPES =   1
  PIPE-FLOW(CFS) =       4.78
  PIPE TRAVEL TIME(MIN.) =   0.25    Tc(MIN.) =   10.19
  LONGEST FLOWPATH FROM NODE    420.00 TO NODE    405.00 =     525.00 FEET.
============================================================================
  END OF STUDY SUMMARY:
  TOTAL AREA(ACRES)     =        1.3  TC(MIN.) =     10.19
  PEAK FLOW RATE(CFS)   =       4.78
============================================================================
============================================================================
  END OF RATIONAL METHOD ANALYSIS

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Job Name: MARCOS
Job #: 1960-01
Run Name: AV-P1000.DAT NO DETENTION
Date: 3/3/2023
Notes: 102 units / 5.02 ac = 20.32 DU/AC
Soil Type C: C=0.69 Soil Type D: C=0.71
25%-75% Soil Type D: C=0.70 P6=3.2

Node 1	Node 2	Code	Elev 1 (feet)	Elev 2 (feet)	Length (feet)	C Factor	Area (acres)	Comments	BANK		
									1	2	3
1016	1014	2	542.3	541.64	65	0.69	0.12	J3			
1014	1012	9	541.64	541.2	65	0.69	0.22	J4			
1004	1004	1						1 of 2			
1010	1008	2	541.9	541.4	62	0.69	0.1	J1			
1008	1006	5	541.4	540.7	88	0.69	0.48	J2			
1004	1004	1						2 OF 2			
1004	1000	3	536.71	536.5	40						
							0.92				

```
_____
*****************************************************************************

           RATIONAL METHOD HYDROLOGY COMPUTER PROGRAM PACKAGE
           Reference: SAN DIEGO COUNTY FLOOD CONTROL DISTRICT
                      2003,1985,1981 HYDROLOGY MANUAL
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                        Analysis prepared by:

                                  Fuscoe Engineering

                             6390 Greenwich Dr
                                  Ste 170
                            San Diego, CA 92122


 ************************* DESCRIPTION OF STUDY *************************
* ARTISTS VILLAGE                                                       *
* PROPOSED HYDROLOGY - NO DETENTION                                     *
* BASIN 1000                                                            *
 *************************************************************************

  FILE NAME: AV-P1000.DAT
  TIME/DATE OF STUDY: 13:48 02/23/2023
----------------------------------------------------------------------------
  USER SPECIFIED HYDROLOGY AND HYDRAULIC MODEL INFORMATION:
----------------------------------------------------------------------------
  2003 SAN DIEGO MANUAL CRITERIA

  USER SPECIFIED STORM EVENT(YEAR) = 100.00
  6-HOUR DURATION PRECIPITATION (INCHES) =   3.200
  SPECIFIED MINIMUM PIPE SIZE(INCH) =   3.00
  SPECIFIED PERCENT OF GRADIENTS(DECIMAL) TO USE FOR FRICTION SLOPE = 0.90
  SAN DIEGO HYDROLOGY MANUAL "C"-VALUES USED FOR RATIONAL METHOD
  NOTE: USE MODIFIED RATIONAL METHOD PROCEDURES FOR CONFLUENCE ANALYSIS
  *USER-DEFINED STREET-SECTIONS FOR COUPLED PIPEFLOW AND STREETFLOW MODEL*
     HALF-  CROWN TO   STREET-CROSSFALL:   CURB  GUTTER-GEOMETRIES:  MANNING
     WIDTH  CROSSFALL  IN-  / OUT-/PARK-  HEIGHT  WIDTH  LIP   HIKE  FACTOR
NO.   (FT)     (FT)    SIDE / SIDE/ WAY    (FT)    (FT)  (FT)  (FT)    (n)
===  =====  =========  ================  ======  ===== ====== ===== =======
  1   30.0     20.0    0.018/0.018/0.020   0.67    2.00 0.0313 0.167 0.0150

  GLOBAL STREET FLOW-DEPTH CONSTRAINTS:
    1. Relative Flow-Depth =  0.00 FEET
       as (Maximum Allowable Street Flow Depth) - (Top-of-Curb)
    2. (Depth)*(Velocity) Constraint =  6.0 (FT*FT/S)
  *SIZE PIPE WITH A FLOW CAPACITY GREATER THAN
   OR EQUAL TO THE UPSTREAM TRIBUTARY PIPE.*

****************************************************************************
  FLOW PROCESS FROM NODE   1016.00 TO NODE   1014.00 IS CODE =  21
----------------------------------------------------------------------------
  >>>>>RATIONAL METHOD INITIAL SUBAREA ANALYSIS<<<<<
============================================================================
  *USER SPECIFIED(SUBAREA):
  USER-SPECIFIED RUNOFF COEFFICIENT = .6900
  S.C.S. CURVE NUMBER (AMC II) =   0
  INITIAL SUBAREA FLOW-LENGTH(FEET) =    65.00
  UPSTREAM ELEVATION(FEET) =    542.30
  DOWNSTREAM ELEVATION(FEET) =    541.60
  ELEVATION DIFFERENCE(FEET) =      0.70
  SUBAREA OVERLAND TIME OF FLOW(MIN.) =    5.805
   100 YEAR RAINFALL INTENSITY(INCH/HOUR) =  7.657
  SUBAREA RUNOFF(CFS) =      0.63
  TOTAL AREA(ACRES) =      0.12   TOTAL RUNOFF(CFS) =      0.63

****************************************************************************
  FLOW PROCESS FROM NODE   1014.00 TO NODE   1012.00 IS CODE =  91
----------------------------------------------------------------------------
  >>>>>COMPUTE "V" GUTTER FLOW TRAVEL TIME THRU SUBAREA<<<<<
============================================================================
  UPSTREAM NODE ELEVATION(FEET) =    541.60
  DOWNSTREAM NODE ELEVATION(FEET) =    541.20
  CHANNEL LENGTH THRU SUBAREA(FEET) =    65.00
  "V" GUTTER WIDTH(FEET) =   3.00   GUTTER HIKE(FEET) =  0.125
  PAVEMENT LIP(FEET) =  0.030   MANNING'S N = .0150
  PAVEMENT CROSSFALL(DECIMAL NOTATION) = 0.02000
  MAXIMUM DEPTH(FEET) =   2.00
   100 YEAR RAINFALL INTENSITY(INCH/HOUR) =  7.184
  *USER SPECIFIED(SUBAREA):
  USER-SPECIFIED RUNOFF COEFFICIENT = .6900
  S.C.S. CURVE NUMBER (AMC II) =   0
  TRAVEL TIME COMPUTED USING ESTIMATED FLOW(CFS) =      1.18
  TRAVEL TIME THRU SUBAREA BASED ON VELOCITY(FEET/SEC.) =   1.79
  AVERAGE FLOW DEPTH(FEET) =   0.22   FLOOD WIDTH(FEET) =    9.22
  "V" GUTTER FLOW TRAVEL TIME(MIN.) =   0.60   Tc(MIN.) =    6.41
  SUBAREA AREA(ACRES) =    0.22       SUBAREA RUNOFF(CFS) =    1.09
  AREA-AVERAGE RUNOFF COEFFICIENT =  0.690
  TOTAL AREA(ACRES) =        0.3         PEAK FLOW RATE(CFS) =       1.69

  END OF SUBAREA "V" GUTTER HYDRAULICS:
  DEPTH(FEET) =  0.24   FLOOD WIDTH(FEET) =   11.74
  FLOW VELOCITY(FEET/SEC.) =   1.83   DEPTH*VELOCITY(FT*FT/SEC) =   0.44
  LONGEST FLOWPATH FROM NODE   1016.00 TO NODE   1012.00 =     130.00 FEET.

****************************************************************************
  FLOW PROCESS FROM NODE   1004.00 TO NODE   1004.00 IS CODE =   1
----------------------------------------------------------------------------
```

```
  >>>>>DESIGNATE INDEPENDENT STREAM FOR CONFLUENCE<<<<<
================================================================================
  TOTAL NUMBER OF STREAMS =  2
  CONFLUENCE VALUES USED FOR INDEPENDENT STREAM  1 ARE:
  TIME OF CONCENTRATION(MIN.) =    6.41
  RAINFALL INTENSITY(INCH/HR) =   7.18
  TOTAL STREAM AREA(ACRES) =     0.34
  PEAK FLOW RATE(CFS) AT CONFLUENCE =      1.69

****************************************************************************
  FLOW PROCESS FROM NODE   1010.00 TO NODE   1008.00 IS CODE =  21
----------------------------------------------------------------------------
  >>>>>RATIONAL METHOD INITIAL SUBAREA ANALYSIS<<<<<
============================================================================
  *USER SPECIFIED(SUBAREA):
  USER-SPECIFIED RUNOFF COEFFICIENT = .6900
  S.C.S. CURVE NUMBER (AMC II) =   0
  INITIAL SUBAREA FLOW-LENGTH(FEET) =    62.00
  UPSTREAM ELEVATION(FEET) =    541.90
  DOWNSTREAM ELEVATION(FEET) =    541.40
  ELEVATION DIFFERENCE(FEET) =      0.50
  SUBAREA OVERLAND TIME OF FLOW(MIN.) =    6.100
  WARNING: INITIAL SUBAREA FLOW PATH LENGTH IS GREATER THAN
           THE MAXIMUM OVERLAND FLOW LENGTH =    59.19
           (Reference: Table 3-1B of Hydrology Manual)
           THE MAXIMUM OVERLAND FLOW LENGTH IS USED IN Tc CALCULATION!
   100 YEAR RAINFALL INTENSITY(INCH/HOUR) =  7.416
  SUBAREA RUNOFF(CFS) =      0.51
  TOTAL AREA(ACRES) =      0.10   TOTAL RUNOFF(CFS) =      0.51

****************************************************************************
  FLOW PROCESS FROM NODE   1008.00 TO NODE   1006.00 IS CODE =  51
----------------------------------------------------------------------------
  >>>>>COMPUTE TRAPEZOIDAL CHANNEL FLOW<<<<<
  >>>>>TRAVELTIME THRU SUBAREA (EXISTING ELEMENT)<<<<<
============================================================================
  ELEVATION DATA: UPSTREAM(FEET) =    541.40  DOWNSTREAM(FEET) =    540.70
  CHANNEL LENGTH THRU SUBAREA(FEET) =    88.00   CHANNEL SLOPE =  0.0080
  CHANNEL BASE(FEET) =    3.00   "Z" FACTOR =   2.000
  MANNING'S FACTOR = 0.015   MAXIMUM DEPTH(FEET) =  10.00
   100 YEAR RAINFALL INTENSITY(INCH/HOUR) =  7.011
  *USER SPECIFIED(SUBAREA):
  USER-SPECIFIED RUNOFF COEFFICIENT = .6900
  S.C.S. CURVE NUMBER (AMC II) =   0
  TRAVEL TIME COMPUTED USING ESTIMATED FLOW(CFS) =       1.67
  TRAVEL TIME THRU SUBAREA BASED ON VELOCITY(FEET/SEC.) =   2.64
  AVERAGE FLOW DEPTH(FEET) =   0.19   TRAVEL TIME(MIN.) =   0.56
  Tc(MIN.) =    6.66
  SUBAREA AREA(ACRES) =     0.48       SUBAREA RUNOFF(CFS) =    2.32
  AREA-AVERAGE RUNOFF COEFFICIENT =  0.690
  TOTAL AREA(ACRES) =        0.6         PEAK FLOW RATE(CFS) =       2.81

  END OF SUBAREA CHANNEL FLOW HYDRAULICS:
  DEPTH(FEET) =  0.25   FLOW VELOCITY(FEET/SEC.) =   3.14
  LONGEST FLOWPATH FROM NODE   1010.00 TO NODE   1006.00 =     150.00 FEET.

****************************************************************************
  FLOW PROCESS FROM NODE   1004.00 TO NODE   1004.00 IS CODE =   1
----------------------------------------------------------------------------
  >>>>>DESIGNATE INDEPENDENT STREAM FOR CONFLUENCE<<<<<
  >>>>>AND COMPUTE VARIOUS CONFLUENCED STREAM VALUES<<<<<
============================================================================
  TOTAL NUMBER OF STREAMS =  2
  CONFLUENCE VALUES USED FOR INDEPENDENT STREAM  2 ARE:
  TIME OF CONCENTRATION(MIN.) =    6.66
  RAINFALL INTENSITY(INCH/HR) =   7.01
  TOTAL STREAM AREA(ACRES) =     0.58
  PEAK FLOW RATE(CFS) AT CONFLUENCE =      2.81

  ** CONFLUENCE DATA **
  STREAM     RUNOFF       Tc      INTENSITY      AREA
  NUMBER      (CFS)     (MIN.)   (INCH/HOUR)    (ACRE)
      1        1.69     6.41        7.184          0.34
      2        2.81     6.66        7.011          0.58

  RAINFALL INTENSITY AND TIME OF CONCENTRATION RATIO
  CONFLUENCE FORMULA USED FOR  2 STREAMS.

  ** PEAK FLOW RATE TABLE **
  STREAM     RUNOFF       Tc      INTENSITY
  NUMBER      (CFS)    (MIN.)   (INCH/HOUR)
      1        4.39     6.41       7.184
      2        4.45     6.66       7.011

  COMPUTED CONFLUENCE ESTIMATES ARE AS FOLLOWS:
  PEAK FLOW RATE(CFS) =       4.45   Tc(MIN.) =    6.66
  TOTAL AREA(ACRES) =        0.9
  LONGEST FLOWPATH FROM NODE   1010.00 TO NODE   1004.00 =     150.00 FEET.

****************************************************************************
  FLOW PROCESS FROM NODE   1004.00 TO NODE   1000.00 IS CODE =  31
----------------------------------------------------------------------------
  >>>>>COMPUTE PIPE-FLOW TRAVEL TIME THRU SUBAREA<<<<<
  >>>>>USING COMPUTER-ESTIMATED PIPESIZE (NON-PRESSURE FLOW)<<<<<
============================================================================
  ELEVATION DATA: UPSTREAM(FEET) =   536.70  DOWNSTREAM(FEET) =   536.50
  FLOW LENGTH(FEET) =    40.00   MANNING'S N =  0.013
  DEPTH OF FLOW IN  18.0 INCH PIPE IS  10.4 INCHES
  PIPE-FLOW VELOCITY(FEET/SEC.) =   4.22
  ESTIMATED PIPE DIAMETER(INCH) =  18.00    NUMBER OF PIPES =   1
```

```
  PIPE-FLOW(CFS) =       4.45
  PIPE TRAVEL TIME(MIN.) =   0.16    Tc(MIN.) =    6.81
  LONGEST FLOWPATH FROM NODE   1010.00 TO NODE   1000.00 =     190.00 FEET.
============================================================================
  END OF STUDY SUMMARY:
  TOTAL AREA(ACRES)     =        0.9  TC(MIN.) =      6.81
  PEAK FLOW RATE(CFS)   =       4.45
============================================================================
============================================================================
  END OF RATIONAL METHOD ANALYSIS
```

FUSCOE ENGINEERING
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San Diego, California 92122
tel 858.554.1500 ◦ fax 858.597.0335
www.fuscoe.com

Job Name: MARCOS
Job #: 1960-01
Run Name: AV-P100d.DAT
Date: 3/3/2023
Notes: General Commercial POST DETENTION
Soil Type C: C=0.81 Soil Type D: C=0.82
P6=3.2

Node 1	Node 2	Code	Elev 1 (feet)	Elev 2 (feet)	Length (feet)	C Factor	Area (acres)	Comments	BANK 1	BANK 2	BANK 3
1000	1000	7	Tc=6.83 Q=3.64			A=	0.92	From 1000d Run			
1000	106	5	536.5	535.6	60	-	-				
106	106	1	-	-	-	-	-	1 of 2			
907	906	2	544.5	543.73	70	0.82	0.09				
906	904	3	540.78	538.85	195						
906	904	8				0.82	0.48	I1			
904	904	7	Tc=4.96 Q=2.79			A=	0.6	BMP A1-EAST POST DET.			
904	902	3	538.85	538.68	35	-	-				
902	900	3	538.68	535.76	15	-	-				
900	106	5	535.76	535.6	15	-	-				
106	106	1	-	-	-	-	-	2 of 2			
106	105	5	535.6	535	145	-	-				
105	104	5	535	534.5	88	-	-				
104	104	10	-	-	-	-	-	SAVE TO BANK 1			
740	738	2	545.65	544.1	67	0.81	0.12	G1			
738	736	9	544.1	543.6	45	0.81	0.12	G2			
736	730	3	543.6	542.85	80	-	-				
730	730	1	-	-	-	-	-	1 of 2			
734	732	2	544.35	543.6	75	0.81	0.14	G3			
732	730	3	543.6	542.85	90	-	-				
730	730	1	-	-	-	-	-	2 of 2			
730	730	8				0.82	1.45	G4			
730	730	7	Tc=4.64 Q=6.87			A=	1.8	BMP B-2 EAST POST DET.			
730	720	3	538.25	537.65	75	-	-				
720	720	1	-	-	-	-	-	1 of 2			
724	722	2	543.04	542.25	66	0.81	0.08	G5			
722	720	9	542.25	542	90	0.82	0.38	G6			
720	720	7	Tc=5.15 Q=2.61			A=	0.5	BMP B-3 EAST POST DET.			
720	720	1	-	-	-	-	-	2 of 2			
720	706	3	537.65	535.98	155	-	-				
706	706	1	-	-	-	-	-	1 of 2			
714	712	2	546	545.48	55	0.81	0.1	G7			
712	710	9	545.48	544.5	190	0.81	0.74	G8			
708	708	7	Tc=5.68 Q=4.29				0.8	BMP B-4 EAST POST DET			
708	706	3	539.5	535.98	700	-	-				

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Job Name: MARCOS
Job #: 1960-01
Run Name: AV-P100d.DAT
Date: 3/3/2023
Notes: General Commercial POST DETENTION
Soil Type C: C=0.81 Soil Type D: C=0.82
P6=3.2

Node 1	Node 2	Code	Elev 1 (feet)	Elev 2 (feet)	Length (feet)	C Factor	Area (acres)	Comments	BANK 1	BANK 2	BANK 3
706	706	1	-	-	-	-	-	2 of 2			
706	704	3	535.98	535.27	98	-	-				
704	704	1						1 OF 2			
704	704	7	Tc=5.00 Q=5.69			A=	0.81	BMP B-1 EAST POST DET.			
704	704	1						2 OF 2			
704	702	3	535.27	535.22	10	-	-				
702	700	4	535.22	534.93	17	-	-	30"			
700	104	5	534.93	534.5	16	-	-				
104	104	11	-	-	-	-	-	ADD BANK 1			
104	103	5	534.5	533.5	120	-	-				
103	103	1	-	-	-	-	-	1 of 2			
400	400	7	Tc=10.19 Q=4.14			A=	1.28	BMP 2 WEST POST DET			
								FROM DETENTION CALCS			
400	103	3	534.35	533.5	35	-	-				
103	103	1	-	-	-	-	-	2 of 2			
103	102	5	533.5	533	160	-	-				
102	102	1	-	-	-	-	-	1 of 2			
315	310	2	543	541.75	58	0.82	0.15	C1			
310	305	9	541.75	540.5	172	0.81	1.21	C2			
305	301	3	535.81	535.14	175	-	-				
301	301	7	Tc=5.74 Q=4.25			A=	1.4	BMP 1 WEST (D1 POST DET)			
301	300	3	535.14	534.5	32	-	-				
300	102	5	534.5	533	25	-	-				
102	102	1	-	-	-	-	-	2 of 2			
102	101	5	533	532	100	-	-				
101	101	1	-	-	-	-	-	1 of 2			
200	200	7	Tc=9.79 Q=6.80			A=	2.57	From 200d Run			
200	101	4	533.87	532	30	-	-	2-18"			
101	101	1	-	-	-	-	-	2 of 2			
101	100	5	532	531.4	110	-	-				

```
_____
****************************************************************************

           RATIONAL METHOD HYDROLOGY COMPUTER PROGRAM PACKAGE
           Reference: SAN DIEGO COUNTY FLOOD CONTROL DISTRICT
                        2003,1985,1981 HYDROLOGY MANUAL
         (c) Copyright 1982-2016 Advanced Engineering Software (aes)
             Ver. 23.0 Release Date: 07/01/2016  License ID 1355

                          Analysis prepared by:

                            Fuscoe Engineering
                            6390 Greenwich Dr
                                Suite 170
                           San Diego, CA 92064

 ************************ DESCRIPTION OF STUDY *************************
* ARTISTS VILLAGE                                                      *
* PROPOSED HYDROLOGY - POST DETENTION                                  *
* BASIN 100                                                            *
 ************************************************************************

  FILE NAME: AV-P100D.DAT
  TIME/DATE OF STUDY: 11:15 03/03/2023
----------------------------------------------------------------------------
  USER SPECIFIED HYDROLOGY AND HYDRAULIC MODEL INFORMATION:
----------------------------------------------------------------------------
  2003 SAN DIEGO MANUAL CRITERIA

  USER SPECIFIED STORM EVENT(YEAR) = 100.00
  6-HOUR DURATION PRECIPITATION (INCHES) =   3.200
  SPECIFIED MINIMUM PIPE SIZE(INCH) =   3.00
  SPECIFIED PERCENT OF GRADIENTS(DECIMAL) TO USE FOR FRICTION SLOPE = 0.90
  SAN DIEGO HYDROLOGY MANUAL "C"-VALUES USED FOR RATIONAL METHOD
  NOTE: USE MODIFIED RATIONAL METHOD PROCEDURES FOR CONFLUENCE ANALYSIS
  *USER-DEFINED STREET-SECTIONS FOR COUPLED PIPEFLOW AND STREETFLOW MODEL*
     HALF-  CROWN TO   STREET-CROSSFALL:   CURB  GUTTER-GEOMETRIES:  MANNING
     WIDTH  CROSSFALL  IN-  / OUT-/PARK-  HEIGHT  WIDTH  LIP   HIKE  FACTOR
NO.   (FT)     (FT)    SIDE / SIDE/ WAY    (FT)    (FT)  (FT)  (FT)    (n)
===  =====  =========  =================  ======  ===== ====== ===== =======
  1   30.0     20.0    0.018/0.018/0.020   0.67    2.00 0.0313 0.167 0.0150

  GLOBAL STREET FLOW-DEPTH CONSTRAINTS:
    1. Relative Flow-Depth =  0.00 FEET
       as (Maximum Allowable Street Flow Depth) - (Top-of-Curb)
    2. (Depth)*(Velocity) Constraint =  6.0 (FT*FT/S)
  *SIZE PIPE WITH A FLOW CAPACITY GREATER THAN
   OR EQUAL TO THE UPSTREAM TRIBUTARY PIPE.*

****************************************************************************

  FLOW PROCESS FROM NODE   1000.00 TO NODE   1000.00 IS CODE =   7
----------------------------------------------------------------------------
  >>>>>USER SPECIFIED HYDROLOGY INFORMATION AT NODE<<<<<
============================================================================
  USER-SPECIFIED VALUES ARE AS FOLLOWS:
  TC(MIN) =   6.83   RAIN INTENSITY(INCH/HOUR) =  6.89
  TOTAL AREA(ACRES) =     0.92   TOTAL RUNOFF(CFS) =      3.64

****************************************************************************
  FLOW PROCESS FROM NODE   1000.00 TO NODE    106.00 IS CODE =  52
----------------------------------------------------------------------------
  >>>>>COMPUTE NATURAL VALLEY CHANNEL FLOW<<<<<
  >>>>>TRAVELTIME THRU SUBAREA<<<<<
============================================================================
  ELEVATION DATA: UPSTREAM(FEET) =    536.50  DOWNSTREAM(FEET) =    535.60
  CHANNEL LENGTH THRU SUBAREA(FEET) =    60.00   CHANNEL SLOPE =  0.0150
  CHANNEL FLOW THRU SUBAREA(CFS) =       3.64
  FLOW VELOCITY(FEET/SEC) =   2.40 (PER LACFCD/RCFC&WCD HYDROLOGY MANUAL)
  TRAVEL TIME(MIN.) =   0.42   Tc(MIN.) =    7.25
  LONGEST FLOWPATH FROM NODE      0.00 TO NODE    106.00 =      60.00 FEET.

****************************************************************************
  FLOW PROCESS FROM NODE    106.00 TO NODE    106.00 IS CODE =   1
----------------------------------------------------------------------------
  >>>>>DESIGNATE INDEPENDENT STREAM FOR CONFLUENCE<<<<<
============================================================================
  TOTAL NUMBER OF STREAMS =  2
  CONFLUENCE VALUES USED FOR INDEPENDENT STREAM  1 ARE:
  TIME OF CONCENTRATION(MIN.) =    7.25
  RAINFALL INTENSITY(INCH/HR) =   6.64
  TOTAL STREAM AREA(ACRES) =     0.92
  PEAK FLOW RATE(CFS) AT CONFLUENCE =      3.64

****************************************************************************
  FLOW PROCESS FROM NODE    907.00 TO NODE    906.00 IS CODE =  21
----------------------------------------------------------------------------
  >>>>>RATIONAL METHOD INITIAL SUBAREA ANALYSIS<<<<<
============================================================================
  *USER SPECIFIED(SUBAREA):
  USER-SPECIFIED RUNOFF COEFFICIENT = .8200
  S.C.S. CURVE NUMBER (AMC II) =   0
  INITIAL SUBAREA FLOW-LENGTH(FEET) =    70.00
  UPSTREAM ELEVATION(FEET) =    544.50
  DOWNSTREAM ELEVATION(FEET) =    543.73
  ELEVATION DIFFERENCE(FEET) =      0.77
  SUBAREA OVERLAND TIME OF FLOW(MIN.) =    3.981
  WARNING: INITIAL SUBAREA FLOW PATH LENGTH IS GREATER THAN
           THE MAXIMUM OVERLAND FLOW LENGTH =    66.50
           (Reference: Table 3-1B of Hydrology Manual)
           THE MAXIMUM OVERLAND FLOW LENGTH IS USED IN Tc CALCULATION!
```

```
 100 YEAR RAINFALL INTENSITY(INCH/HOUR) =  8.431
 NOTE: RAINFALL INTENSITY IS BASED ON Tc = 5-MINUTE.
 SUBAREA RUNOFF(CFS) =      0.62
 TOTAL AREA(ACRES) =      0.09   TOTAL RUNOFF(CFS) =      0.62

****************************************************************************
 FLOW PROCESS FROM NODE    906.00 TO NODE    904.00 IS CODE =  31
----------------------------------------------------------------------------
 >>>>>COMPUTE PIPE-FLOW TRAVEL TIME THRU SUBAREA<<<<<
 >>>>>USING COMPUTER-ESTIMATED PIPESIZE (NON-PRESSURE FLOW)<<<<<
============================================================================
 ELEVATION DATA: UPSTREAM(FEET) =   540.78  DOWNSTREAM(FEET) =   538.85
 FLOW LENGTH(FEET) =   195.00   MANNING'S N =  0.013
 DEPTH OF FLOW IN   9.0 INCH PIPE IS   4.0 INCHES
 PIPE-FLOW VELOCITY(FEET/SEC.) =   3.32
 ESTIMATED PIPE DIAMETER(INCH) =   9.00    NUMBER OF PIPES =   1
 PIPE-FLOW(CFS) =       0.62
 PIPE TRAVEL TIME(MIN.) =   0.98    Tc(MIN.) =    4.96
 LONGEST FLOWPATH FROM NODE    907.00 TO NODE    904.00 =     265.00 FEET.

****************************************************************************
 FLOW PROCESS FROM NODE    906.00 TO NODE    904.00 IS CODE =  81
----------------------------------------------------------------------------
 >>>>>ADDITION OF SUBAREA TO MAINLINE PEAK FLOW<<<<<
============================================================================
  100 YEAR RAINFALL INTENSITY(INCH/HOUR) =  8.431
 NOTE: RAINFALL INTENSITY IS BASED ON Tc = 5-MINUTE.
 *USER SPECIFIED(SUBAREA):
 USER-SPECIFIED RUNOFF COEFFICIENT = .8200
 S.C.S. CURVE NUMBER (AMC II) =   0
 AREA-AVERAGE RUNOFF COEFFICIENT = 0.8200
 SUBAREA AREA(ACRES) =    0.48   SUBAREA RUNOFF(CFS) =    3.32
 TOTAL AREA(ACRES) =        0.6   TOTAL RUNOFF(CFS) =       3.94
 TC(MIN.) =    4.96

****************************************************************************
 FLOW PROCESS FROM NODE    904.00 TO NODE    904.00 IS CODE =   7
----------------------------------------------------------------------------
 >>>>>USER SPECIFIED HYDROLOGY INFORMATION AT NODE<<<<<
============================================================================
 USER-SPECIFIED VALUES ARE AS FOLLOWS:
 TC(MIN) =   5.00   RAIN INTENSITY(INCH/HOUR) =  8.43
 TOTAL AREA(ACRES) =     0.60   TOTAL RUNOFF(CFS) =      2.79

****************************************************************************
 FLOW PROCESS FROM NODE    904.00 TO NODE    902.00 IS CODE =  31
----------------------------------------------------------------------------
 >>>>>COMPUTE PIPE-FLOW TRAVEL TIME THRU SUBAREA<<<<<
 >>>>>USING COMPUTER-ESTIMATED PIPESIZE (NON-PRESSURE FLOW)<<<<<
============================================================================
 ELEVATION DATA: UPSTREAM(FEET) =   538.85  DOWNSTREAM(FEET) =   538.68
 FLOW LENGTH(FEET) =    35.00   MANNING'S N =  0.013
 DEPTH OF FLOW IN  15.0 INCH PIPE IS   8.8 INCHES
 PIPE-FLOW VELOCITY(FEET/SEC.) =   3.70
 ESTIMATED PIPE DIAMETER(INCH) =  15.00    NUMBER OF PIPES =   1
 PIPE-FLOW(CFS) =       2.79
 PIPE TRAVEL TIME(MIN.) =   0.16    Tc(MIN.) =    5.16
 LONGEST FLOWPATH FROM NODE    907.00 TO NODE    902.00 =     300.00 FEET.

****************************************************************************
 FLOW PROCESS FROM NODE    902.00 TO NODE    900.00 IS CODE =  31
----------------------------------------------------------------------------
 >>>>>COMPUTE PIPE-FLOW TRAVEL TIME THRU SUBAREA<<<<<
 >>>>>USING COMPUTER-ESTIMATED PIPESIZE (NON-PRESSURE FLOW)<<<<<
============================================================================
 ELEVATION DATA: UPSTREAM(FEET) =   538.68  DOWNSTREAM(FEET) =   535.76
 FLOW LENGTH(FEET) =    15.00   MANNING'S N =  0.013
 DEPTH OF FLOW IN   9.0 INCH PIPE IS   4.0 INCHES
 PIPE-FLOW VELOCITY(FEET/SEC.) =  14.83
 ESTIMATED PIPE DIAMETER(INCH) =   9.00    NUMBER OF PIPES =   1
 PIPE-FLOW(CFS) =       2.79
 PIPE TRAVEL TIME(MIN.) =   0.02    Tc(MIN.) =    5.17
 LONGEST FLOWPATH FROM NODE    907.00 TO NODE    900.00 =     315.00 FEET.

****************************************************************************
 FLOW PROCESS FROM NODE    900.00 TO NODE    106.00 IS CODE =  52
----------------------------------------------------------------------------
 >>>>>COMPUTE NATURAL VALLEY CHANNEL FLOW<<<<<
 >>>>>TRAVELTIME THRU SUBAREA<<<<<
============================================================================
 ELEVATION DATA: UPSTREAM(FEET) =    535.76  DOWNSTREAM(FEET) =    535.60
 CHANNEL LENGTH THRU SUBAREA(FEET) =    15.00   CHANNEL SLOPE =  0.0107
 CHANNEL FLOW THRU SUBAREA(CFS) =       2.79
 FLOW VELOCITY(FEET/SEC) =   1.91 (PER LACFCD/RCFC&WCD HYDROLOGY MANUAL)
 TRAVEL TIME(MIN.) =   0.13   Tc(MIN.) =    5.31
 LONGEST FLOWPATH FROM NODE    907.00 TO NODE    106.00 =     330.00 FEET.

****************************************************************************
 FLOW PROCESS FROM NODE    106.00 TO NODE    106.00 IS CODE =   1
----------------------------------------------------------------------------
 >>>>>DESIGNATE INDEPENDENT STREAM FOR CONFLUENCE<<<<<
 >>>>>AND COMPUTE VARIOUS CONFLUENCED STREAM VALUES<<<<<
============================================================================
 TOTAL NUMBER OF STREAMS =  2
 CONFLUENCE VALUES USED FOR INDEPENDENT STREAM  2 ARE:
 TIME OF CONCENTRATION(MIN.) =    5.31
 RAINFALL INTENSITY(INCH/HR) =   8.11
 TOTAL STREAM AREA(ACRES) =     0.60
 PEAK FLOW RATE(CFS) AT CONFLUENCE =      2.79
```

```
  ** CONFLUENCE DATA **
  STREAM     RUNOFF       Tc      INTENSITY      AREA
  NUMBER      (CFS)     (MIN.)   (INCH/HOUR)    (ACRE)
      1        3.64     7.25        6.637          0.92
      2        2.79     5.31        8.115          0.60

  RAINFALL INTENSITY AND TIME OF CONCENTRATION RATIO
  CONFLUENCE FORMULA USED FOR  2 STREAMS.

  ** PEAK FLOW RATE TABLE **
  STREAM     RUNOFF      Tc      INTENSITY
  NUMBER      (CFS)    (MIN.)   (INCH/HOUR)
      1        5.45     5.31       8.115
      2        5.92     7.25       6.637

  COMPUTED CONFLUENCE ESTIMATES ARE AS FOLLOWS:
  PEAK FLOW RATE(CFS) =       5.92   Tc(MIN.) =    7.25
  TOTAL AREA(ACRES) =        1.5
  LONGEST FLOWPATH FROM NODE    907.00 TO NODE    106.00 =     330.00 FEET.

****************************************************************************
  FLOW PROCESS FROM NODE    106.00 TO NODE    105.00 IS CODE =  52
----------------------------------------------------------------------------
  >>>>>COMPUTE NATURAL VALLEY CHANNEL FLOW<<<<<
  >>>>>TRAVELTIME THRU SUBAREA<<<<<
============================================================================
  ELEVATION DATA: UPSTREAM(FEET) =    535.60  DOWNSTREAM(FEET) =    535.00
  CHANNEL LENGTH THRU SUBAREA(FEET) =   145.00   CHANNEL SLOPE =  0.0041
  CHANNEL FLOW THRU SUBAREA(CFS) =       5.92
  FLOW VELOCITY(FEET/SEC) =   1.41 (PER LACFCD/RCFC&WCD HYDROLOGY MANUAL)
  TRAVEL TIME(MIN.) =   1.71   Tc(MIN.) =    8.96
  LONGEST FLOWPATH FROM NODE    907.00 TO NODE    105.00 =     475.00 FEET.

****************************************************************************
  FLOW PROCESS FROM NODE    105.00 TO NODE    104.00 IS CODE =  52
----------------------------------------------------------------------------
  >>>>>COMPUTE NATURAL VALLEY CHANNEL FLOW<<<<<
  >>>>>TRAVELTIME THRU SUBAREA<<<<<
============================================================================
  ELEVATION DATA: UPSTREAM(FEET) =    535.00  DOWNSTREAM(FEET) =    534.50
  CHANNEL LENGTH THRU SUBAREA(FEET) =    88.00   CHANNEL SLOPE =  0.0057
  CHANNEL FLOW THRU SUBAREA(CFS) =       5.92
  FLOW VELOCITY(FEET/SEC) =   1.66 (PER LACFCD/RCFC&WCD HYDROLOGY MANUAL)
  TRAVEL TIME(MIN.) =   0.89   Tc(MIN.) =    9.84
  LONGEST FLOWPATH FROM NODE    907.00 TO NODE    104.00 =     563.00 FEET.

****************************************************************************
  FLOW PROCESS FROM NODE    104.00 TO NODE    104.00 IS CODE =  10
----------------------------------------------------------------------------
  >>>>>MAIN-STREAM MEMORY COPIED ONTO MEMORY BANK # 1 <<<<<
```

```
============================================================================

****************************************************************************
  FLOW PROCESS FROM NODE    740.00 TO NODE    738.00 IS CODE =  21
----------------------------------------------------------------------------
  >>>>>RATIONAL METHOD INITIAL SUBAREA ANALYSIS<<<<<
============================================================================
  *USER SPECIFIED(SUBAREA):
  USER-SPECIFIED RUNOFF COEFFICIENT = .8100
  S.C.S. CURVE NUMBER (AMC II) =   0
  INITIAL SUBAREA FLOW-LENGTH(FEET) =    67.00
  UPSTREAM ELEVATION(FEET) =    545.65
  DOWNSTREAM ELEVATION(FEET) =    544.10
  ELEVATION DIFFERENCE(FEET) =      1.55
  SUBAREA OVERLAND TIME OF FLOW(MIN.) =    3.231
   100 YEAR RAINFALL INTENSITY(INCH/HOUR) =  8.431
  NOTE: RAINFALL INTENSITY IS BASED ON Tc = 5-MINUTE.
  SUBAREA RUNOFF(CFS) =      0.82
  TOTAL AREA(ACRES) =      0.12   TOTAL RUNOFF(CFS) =      0.82

****************************************************************************
  FLOW PROCESS FROM NODE    738.00 TO NODE    736.00 IS CODE =  91
----------------------------------------------------------------------------
  >>>>>COMPUTE "V" GUTTER FLOW TRAVEL TIME THRU SUBAREA<<<<<
============================================================================
  UPSTREAM NODE ELEVATION(FEET) =    544.10
  DOWNSTREAM NODE ELEVATION(FEET) =    543.60
  CHANNEL LENGTH THRU SUBAREA(FEET) =    45.00
  "V" GUTTER WIDTH(FEET) =   3.00   GUTTER HIKE(FEET) =  0.125
  PAVEMENT LIP(FEET) =  0.030   MANNING'S N = .0150
  PAVEMENT CROSSFALL(DECIMAL NOTATION) = 0.02000
  MAXIMUM DEPTH(FEET) =   0.62
   100 YEAR RAINFALL INTENSITY(INCH/HOUR) =  8.431
  NOTE: RAINFALL INTENSITY IS BASED ON Tc = 5-MINUTE.
  *USER SPECIFIED(SUBAREA):
  USER-SPECIFIED RUNOFF COEFFICIENT = .8100
  S.C.S. CURVE NUMBER (AMC II) =   0
  TRAVEL TIME COMPUTED USING ESTIMATED FLOW(CFS) =      1.23
  TRAVEL TIME THRU SUBAREA BASED ON VELOCITY(FEET/SEC.) =   2.39
  AVERAGE FLOW DEPTH(FEET) =   0.20   FLOOD WIDTH(FEET) =    7.50
  "V" GUTTER FLOW TRAVEL TIME(MIN.) =   0.31   Tc(MIN.) =    3.54
  SUBAREA AREA(ACRES) =    0.12       SUBAREA RUNOFF(CFS) =    0.82
  AREA-AVERAGE RUNOFF COEFFICIENT =  0.810
  TOTAL AREA(ACRES) =        0.2         PEAK FLOW RATE(CFS) =       1.64

  END OF SUBAREA "V" GUTTER HYDRAULICS:
  DEPTH(FEET) =  0.22   FLOOD WIDTH(FEET) =    9.52
  FLOW VELOCITY(FEET/SEC.) =   2.39   DEPTH*VELOCITY(FT*FT/SEC) =   0.53
  LONGEST FLOWPATH FROM NODE    740.00 TO NODE    736.00 =     112.00 FEET.
```

```
****************************************************************************
  FLOW PROCESS FROM NODE    736.00 TO NODE    730.00 IS CODE =  31
----------------------------------------------------------------------------
  >>>>>COMPUTE PIPE-FLOW TRAVEL TIME THRU SUBAREA<<<<<
  >>>>>USING COMPUTER-ESTIMATED PIPESIZE (NON-PRESSURE FLOW)<<<<<
============================================================================
  ELEVATION DATA: UPSTREAM(FEET) =   543.60  DOWNSTREAM(FEET) =   542.85
  FLOW LENGTH(FEET) =    80.00   MANNING'S N =  0.013
  DEPTH OF FLOW IN  12.0 INCH PIPE IS   6.0 INCHES
  PIPE-FLOW VELOCITY(FEET/SEC.) =   4.18
  ESTIMATED PIPE DIAMETER(INCH) =  12.00    NUMBER OF PIPES =   1
  PIPE-FLOW(CFS) =       1.64
  PIPE TRAVEL TIME(MIN.) =   0.32    Tc(MIN.) =    3.86
  LONGEST FLOWPATH FROM NODE    740.00 TO NODE    730.00 =     192.00 FEET.

****************************************************************************
  FLOW PROCESS FROM NODE    730.00 TO NODE    730.00 IS CODE =   1
----------------------------------------------------------------------------
  >>>>>DESIGNATE INDEPENDENT STREAM FOR CONFLUENCE<<<<<
============================================================================
  TOTAL NUMBER OF STREAMS =  2
  CONFLUENCE VALUES USED FOR INDEPENDENT STREAM  1 ARE:
  TIME OF CONCENTRATION(MIN.) =    3.86
  RAINFALL INTENSITY(INCH/HR) =   8.43
  TOTAL STREAM AREA(ACRES) =     0.24
  PEAK FLOW RATE(CFS) AT CONFLUENCE =      1.64

****************************************************************************
  FLOW PROCESS FROM NODE    734.00 TO NODE    732.00 IS CODE =  21
----------------------------------------------------------------------------
  >>>>>RATIONAL METHOD INITIAL SUBAREA ANALYSIS<<<<<
============================================================================
  *USER SPECIFIED(SUBAREA):
  USER-SPECIFIED RUNOFF COEFFICIENT = .8100
  S.C.S. CURVE NUMBER (AMC II) =   0
  INITIAL SUBAREA FLOW-LENGTH(FEET) =    75.00
  UPSTREAM ELEVATION(FEET) =    544.35
  DOWNSTREAM ELEVATION(FEET) =    543.60
  ELEVATION DIFFERENCE(FEET) =      0.75
  SUBAREA OVERLAND TIME OF FLOW(MIN.) =    4.208
  WARNING: INITIAL SUBAREA FLOW PATH LENGTH IS GREATER THAN
           THE MAXIMUM OVERLAND FLOW LENGTH =    65.00
           (Reference: Table 3-1B of Hydrology Manual)
           THE MAXIMUM OVERLAND FLOW LENGTH IS USED IN Tc CALCULATION!
   100 YEAR RAINFALL INTENSITY(INCH/HOUR) =  8.431
  NOTE: RAINFALL INTENSITY IS BASED ON Tc = 5-MINUTE.
  SUBAREA RUNOFF(CFS) =      0.96
  TOTAL AREA(ACRES) =      0.14   TOTAL RUNOFF(CFS) =      0.96

****************************************************************************
  FLOW PROCESS FROM NODE    732.00 TO NODE    730.00 IS CODE =  31
----------------------------------------------------------------------------
  >>>>>COMPUTE PIPE-FLOW TRAVEL TIME THRU SUBAREA<<<<<
  >>>>>USING COMPUTER-ESTIMATED PIPESIZE (NON-PRESSURE FLOW)<<<<<
============================================================================
  ELEVATION DATA: UPSTREAM(FEET) =   543.60  DOWNSTREAM(FEET) =   542.85
  FLOW LENGTH(FEET) =    90.00   MANNING'S N =  0.013
  DEPTH OF FLOW IN   9.0 INCH PIPE IS   5.4 INCHES
  PIPE-FLOW VELOCITY(FEET/SEC.) =   3.47
  ESTIMATED PIPE DIAMETER(INCH) =   9.00    NUMBER OF PIPES =   1
  PIPE-FLOW(CFS) =       0.96
  PIPE TRAVEL TIME(MIN.) =   0.43    Tc(MIN.) =    4.64
  LONGEST FLOWPATH FROM NODE    734.00 TO NODE    730.00 =     165.00 FEET.

****************************************************************************
  FLOW PROCESS FROM NODE    730.00 TO NODE    730.00 IS CODE =   1
----------------------------------------------------------------------------
  >>>>>DESIGNATE INDEPENDENT STREAM FOR CONFLUENCE<<<<<
  >>>>>AND COMPUTE VARIOUS CONFLUENCED STREAM VALUES<<<<<
============================================================================
  TOTAL NUMBER OF STREAMS =  2
  CONFLUENCE VALUES USED FOR INDEPENDENT STREAM  2 ARE:
  TIME OF CONCENTRATION(MIN.) =    4.64
  RAINFALL INTENSITY(INCH/HR) =   8.43
  TOTAL STREAM AREA(ACRES) =     0.14
  PEAK FLOW RATE(CFS) AT CONFLUENCE =      0.96

  ** CONFLUENCE DATA **
  STREAM     RUNOFF       Tc      INTENSITY      AREA
  NUMBER      (CFS)     (MIN.)   (INCH/HOUR)    (ACRE)
      1        1.64     3.86        8.431          0.24
      2        0.96     4.64        8.431          0.14

  RAINFALL INTENSITY AND TIME OF CONCENTRATION RATIO
  CONFLUENCE FORMULA USED FOR  2 STREAMS.

  ** PEAK FLOW RATE TABLE **
  STREAM     RUNOFF       Tc      INTENSITY
  NUMBER      (CFS)    (MIN.)   (INCH/HOUR)
      1        2.43     3.86       8.431
      2        2.60     4.64       8.431

  COMPUTED CONFLUENCE ESTIMATES ARE AS FOLLOWS:
  PEAK FLOW RATE(CFS) =       2.60   Tc(MIN.) =    4.64
  TOTAL AREA(ACRES) =        0.4
  LONGEST FLOWPATH FROM NODE    740.00 TO NODE    730.00 =     192.00 FEET.

****************************************************************************
  FLOW PROCESS FROM NODE    730.00 TO NODE    730.00 IS CODE =  81
----------------------------------------------------------------------------
```

```
  >>>>>ADDITION OF SUBAREA TO MAINLINE PEAK FLOW<<<<<
================================================================================
   100 YEAR RAINFALL INTENSITY(INCH/HOUR) =  8.431
  NOTE: RAINFALL INTENSITY IS BASED ON Tc = 5-MINUTE.
  *USER SPECIFIED(SUBAREA):
  USER-SPECIFIED RUNOFF COEFFICIENT = .8200
  S.C.S. CURVE NUMBER (AMC II) =   0
  AREA-AVERAGE RUNOFF COEFFICIENT = 0.8179
  SUBAREA AREA(ACRES) =    1.45   SUBAREA RUNOFF(CFS) =   10.02
  TOTAL AREA(ACRES) =        1.8   TOTAL RUNOFF(CFS) =      12.62
  TC(MIN.) =    4.64

****************************************************************************
  FLOW PROCESS FROM NODE    730.00 TO NODE    730.00 IS CODE =   7
----------------------------------------------------------------------------
  >>>>>USER SPECIFIED HYDROLOGY INFORMATION AT NODE<<<<<
============================================================================
  USER-SPECIFIED VALUES ARE AS FOLLOWS:
  TC(MIN) =   5.00   RAIN INTENSITY(INCH/HOUR) =  8.43
  TOTAL AREA(ACRES) =     1.80   TOTAL RUNOFF(CFS) =      6.87

****************************************************************************
  FLOW PROCESS FROM NODE    730.00 TO NODE    720.00 IS CODE =  31
----------------------------------------------------------------------------
  >>>>>COMPUTE PIPE-FLOW TRAVEL TIME THRU SUBAREA<<<<<
  >>>>>USING COMPUTER-ESTIMATED PIPESIZE (NON-PRESSURE FLOW)<<<<<
============================================================================
  ELEVATION DATA: UPSTREAM(FEET) =   538.25  DOWNSTREAM(FEET) =   537.65
  FLOW LENGTH(FEET) =    75.00   MANNING'S N =  0.013
  DEPTH OF FLOW IN  18.0 INCH PIPE IS  11.9 INCHES
  PIPE-FLOW VELOCITY(FEET/SEC.) =   5.56
  ESTIMATED PIPE DIAMETER(INCH) =  18.00    NUMBER OF PIPES =   1
  PIPE-FLOW(CFS) =       6.87
  PIPE TRAVEL TIME(MIN.) =   0.22    Tc(MIN.) =    5.22
  LONGEST FLOWPATH FROM NODE    740.00 TO NODE    720.00 =     267.00 FEET.

****************************************************************************
  FLOW PROCESS FROM NODE    720.00 TO NODE    720.00 IS CODE =   1
----------------------------------------------------------------------------
  >>>>>DESIGNATE INDEPENDENT STREAM FOR CONFLUENCE<<<<<
============================================================================
  TOTAL NUMBER OF STREAMS =  2
  CONFLUENCE VALUES USED FOR INDEPENDENT STREAM  1 ARE:
  TIME OF CONCENTRATION(MIN.) =    5.22
  RAINFALL INTENSITY(INCH/HR) =   8.20
  TOTAL STREAM AREA(ACRES) =     1.80
  PEAK FLOW RATE(CFS) AT CONFLUENCE =      6.87

****************************************************************************
  FLOW PROCESS FROM NODE    724.00 TO NODE    722.00 IS CODE =  21
----------------------------------------------------------------------------
  >>>>>RATIONAL METHOD INITIAL SUBAREA ANALYSIS<<<<<
============================================================================
  *USER SPECIFIED(SUBAREA):
  USER-SPECIFIED RUNOFF COEFFICIENT = .8100
  S.C.S. CURVE NUMBER (AMC II) =   0
  INITIAL SUBAREA FLOW-LENGTH(FEET) =    66.00
  UPSTREAM ELEVATION(FEET) =    543.04
  DOWNSTREAM ELEVATION(FEET) =    542.25
  ELEVATION DIFFERENCE(FEET) =      0.79
  SUBAREA OVERLAND TIME OF FLOW(MIN.) =    3.994
   100 YEAR RAINFALL INTENSITY(INCH/HOUR) =  8.431
  NOTE: RAINFALL INTENSITY IS BASED ON Tc = 5-MINUTE.
  SUBAREA RUNOFF(CFS) =      0.55
  TOTAL AREA(ACRES) =      0.08   TOTAL RUNOFF(CFS) =      0.55

****************************************************************************
  FLOW PROCESS FROM NODE    722.00 TO NODE    720.00 IS CODE =  91
----------------------------------------------------------------------------
  >>>>>COMPUTE "V" GUTTER FLOW TRAVEL TIME THRU SUBAREA<<<<<
============================================================================
  UPSTREAM NODE ELEVATION(FEET) =    542.25
  DOWNSTREAM NODE ELEVATION(FEET) =    542.00
  CHANNEL LENGTH THRU SUBAREA(FEET) =    90.00
  "V" GUTTER WIDTH(FEET) =   3.00   GUTTER HIKE(FEET) =  0.125
  PAVEMENT LIP(FEET) =  0.030   MANNING'S N = .0150
  PAVEMENT CROSSFALL(DECIMAL NOTATION) = 0.02000
  MAXIMUM DEPTH(FEET) =   0.62
   100 YEAR RAINFALL INTENSITY(INCH/HOUR) =  8.270
  *USER SPECIFIED(SUBAREA):
  USER-SPECIFIED RUNOFF COEFFICIENT = .8200
  S.C.S. CURVE NUMBER (AMC II) =   0
  TRAVEL TIME COMPUTED USING ESTIMATED FLOW(CFS) =      1.84
  TRAVEL TIME THRU SUBAREA BASED ON VELOCITY(FEET/SEC.) =   1.30
  AVERAGE FLOW DEPTH(FEET) =   0.28   FLOOD WIDTH(FEET) =   15.39
  "V" GUTTER FLOW TRAVEL TIME(MIN.) =   1.16   Tc(MIN.) =    5.15
  SUBAREA AREA(ACRES) =    0.38       SUBAREA RUNOFF(CFS) =    2.58
  AREA-AVERAGE RUNOFF COEFFICIENT =  0.818
  TOTAL AREA(ACRES) =        0.5         PEAK FLOW RATE(CFS) =       3.11

  END OF SUBAREA "V" GUTTER HYDRAULICS:
  DEPTH(FEET) =  0.32   FLOOD WIDTH(FEET) =   19.98
  FLOW VELOCITY(FEET/SEC.) =   1.40   DEPTH*VELOCITY(FT*FT/SEC) =   0.45
  LONGEST FLOWPATH FROM NODE    724.00 TO NODE    720.00 =     156.00 FEET.

****************************************************************************
  FLOW PROCESS FROM NODE    720.00 TO NODE    720.00 IS CODE =   7
----------------------------------------------------------------------------
  >>>>>USER SPECIFIED HYDROLOGY INFORMATION AT NODE<<<<<
============================================================================
```

```
  USER-SPECIFIED VALUES ARE AS FOLLOWS:
  TC(MIN) =   5.15   RAIN INTENSITY(INCH/HOUR) =  8.27
  TOTAL AREA(ACRES) =     0.50   TOTAL RUNOFF(CFS) =      2.61

****************************************************************************
  FLOW PROCESS FROM NODE    720.00 TO NODE    720.00 IS CODE =   1
----------------------------------------------------------------------------
  >>>>>DESIGNATE INDEPENDENT STREAM FOR CONFLUENCE<<<<<
  >>>>>AND COMPUTE VARIOUS CONFLUENCED STREAM VALUES<<<<<
============================================================================
  TOTAL NUMBER OF STREAMS =  2
  CONFLUENCE VALUES USED FOR INDEPENDENT STREAM  2 ARE:
  TIME OF CONCENTRATION(MIN.) =    5.15
  RAINFALL INTENSITY(INCH/HR) =   8.27
  TOTAL STREAM AREA(ACRES) =     0.50
  PEAK FLOW RATE(CFS) AT CONFLUENCE =      2.61

  ** CONFLUENCE DATA **
  STREAM     RUNOFF       Tc      INTENSITY      AREA
  NUMBER      (CFS)     (MIN.)   (INCH/HOUR)    (ACRE)
      1        6.87     5.22        8.195          1.80
      2        2.61     5.15        8.272          0.50

  RAINFALL INTENSITY AND TIME OF CONCENTRATION RATIO
  CONFLUENCE FORMULA USED FOR  2 STREAMS.

  ** PEAK FLOW RATE TABLE **
  STREAM     RUNOFF      Tc      INTENSITY
  NUMBER      (CFS)    (MIN.)   (INCH/HOUR)
      1        9.38     5.15       8.272
      2        9.46     5.22       8.195

  COMPUTED CONFLUENCE ESTIMATES ARE AS FOLLOWS:
  PEAK FLOW RATE(CFS) =       9.46   Tc(MIN.) =    5.22
  TOTAL AREA(ACRES) =        2.3
  LONGEST FLOWPATH FROM NODE    740.00 TO NODE    720.00 =     267.00 FEET.

****************************************************************************
  FLOW PROCESS FROM NODE    720.00 TO NODE    706.00 IS CODE =  31
----------------------------------------------------------------------------
  >>>>>COMPUTE PIPE-FLOW TRAVEL TIME THRU SUBAREA<<<<<
  >>>>>USING COMPUTER-ESTIMATED PIPESIZE (NON-PRESSURE FLOW)<<<<<
============================================================================
  ELEVATION DATA: UPSTREAM(FEET) =   537.65  DOWNSTREAM(FEET) =   535.98
  FLOW LENGTH(FEET) =   155.00   MANNING'S N =  0.013
  DEPTH OF FLOW IN  18.0 INCH PIPE IS  13.5 INCHES
  PIPE-FLOW VELOCITY(FEET/SEC.) =   6.64
  ESTIMATED PIPE DIAMETER(INCH) =  18.00    NUMBER OF PIPES =   1
  PIPE-FLOW(CFS) =       9.46
  PIPE TRAVEL TIME(MIN.) =   0.39    Tc(MIN.) =    5.61
  LONGEST FLOWPATH FROM NODE    740.00 TO NODE    706.00 =     422.00 FEET.

****************************************************************************
  FLOW PROCESS FROM NODE    706.00 TO NODE    706.00 IS CODE =   1
----------------------------------------------------------------------------
  >>>>>DESIGNATE INDEPENDENT STREAM FOR CONFLUENCE<<<<<
============================================================================
  TOTAL NUMBER OF STREAMS =  2
  CONFLUENCE VALUES USED FOR INDEPENDENT STREAM  1 ARE:
  TIME OF CONCENTRATION(MIN.) =    5.61
  RAINFALL INTENSITY(INCH/HR) =   7.82
  TOTAL STREAM AREA(ACRES) =     2.30
  PEAK FLOW RATE(CFS) AT CONFLUENCE =      9.46

****************************************************************************
  FLOW PROCESS FROM NODE    714.00 TO NODE    712.00 IS CODE =  21
----------------------------------------------------------------------------
  >>>>>RATIONAL METHOD INITIAL SUBAREA ANALYSIS<<<<<
============================================================================
  *USER SPECIFIED(SUBAREA):
  USER-SPECIFIED RUNOFF COEFFICIENT = .8100
  S.C.S. CURVE NUMBER (AMC II) =   0
  INITIAL SUBAREA FLOW-LENGTH(FEET) =    55.00
  UPSTREAM ELEVATION(FEET) =    546.00
  DOWNSTREAM ELEVATION(FEET) =    545.48
  ELEVATION DIFFERENCE(FEET) =      0.52
  SUBAREA OVERLAND TIME OF FLOW(MIN.) =    3.944
   100 YEAR RAINFALL INTENSITY(INCH/HOUR) =  8.431
  NOTE: RAINFALL INTENSITY IS BASED ON Tc = 5-MINUTE.
  SUBAREA RUNOFF(CFS) =      0.68
  TOTAL AREA(ACRES) =      0.10   TOTAL RUNOFF(CFS) =      0.68

****************************************************************************
  FLOW PROCESS FROM NODE    712.00 TO NODE    710.00 IS CODE =  91
----------------------------------------------------------------------------
  >>>>>COMPUTE "V" GUTTER FLOW TRAVEL TIME THRU SUBAREA<<<<<
============================================================================
  UPSTREAM NODE ELEVATION(FEET) =    545.48
  DOWNSTREAM NODE ELEVATION(FEET) =    544.50
  CHANNEL LENGTH THRU SUBAREA(FEET) =   190.00
  "V" GUTTER WIDTH(FEET) =   3.00   GUTTER HIKE(FEET) =  0.125
  PAVEMENT LIP(FEET) =  0.030   MANNING'S N = .0150
  PAVEMENT CROSSFALL(DECIMAL NOTATION) = 0.02000
  MAXIMUM DEPTH(FEET) =   0.62
   100 YEAR RAINFALL INTENSITY(INCH/HOUR) =  7.763
  *USER SPECIFIED(SUBAREA):
  USER-SPECIFIED RUNOFF COEFFICIENT = .8100
  S.C.S. CURVE NUMBER (AMC II) =   0
  TRAVEL TIME COMPUTED USING ESTIMATED FLOW(CFS) =      3.01
  TRAVEL TIME THRU SUBAREA BASED ON VELOCITY(FEET/SEC.) =   1.82
```

```
  AVERAGE FLOW DEPTH(FEET) =   0.29   FLOOD WIDTH(FEET) =   16.86
  "V" GUTTER FLOW TRAVEL TIME(MIN.) =   1.74   Tc(MIN.) =    5.68
  SUBAREA AREA(ACRES) =    0.74       SUBAREA RUNOFF(CFS) =    4.65
  AREA-AVERAGE RUNOFF COEFFICIENT =  0.810
  TOTAL AREA(ACRES) =        0.8         PEAK FLOW RATE(CFS) =       5.28

  END OF SUBAREA "V" GUTTER HYDRAULICS:
  DEPTH(FEET) =  0.35   FLOOD WIDTH(FEET) =   22.19
  FLOW VELOCITY(FEET/SEC.) =   1.96   DEPTH*VELOCITY(FT*FT/SEC) =   0.68
  LONGEST FLOWPATH FROM NODE    714.00 TO NODE    710.00 =     245.00 FEET.

****************************************************************************
  FLOW PROCESS FROM NODE    708.00 TO NODE    708.00 IS CODE =   7
----------------------------------------------------------------------------
  >>>>>USER SPECIFIED HYDROLOGY INFORMATION AT NODE<<<<<
============================================================================
  USER-SPECIFIED VALUES ARE AS FOLLOWS:
  TC(MIN) =   5.68   RAIN INTENSITY(INCH/HOUR) =  7.77
  TOTAL AREA(ACRES) =     0.80   TOTAL RUNOFF(CFS) =      4.29

****************************************************************************
  FLOW PROCESS FROM NODE    708.00 TO NODE    706.00 IS CODE =  31
----------------------------------------------------------------------------
  >>>>>COMPUTE PIPE-FLOW TRAVEL TIME THRU SUBAREA<<<<<
  >>>>>USING COMPUTER-ESTIMATED PIPESIZE (NON-PRESSURE FLOW)<<<<<
============================================================================
  ELEVATION DATA: UPSTREAM(FEET) =   539.50  DOWNSTREAM(FEET) =   535.98
  FLOW LENGTH(FEET) =   700.00   MANNING'S N =  0.013
  DEPTH OF FLOW IN  15.0 INCH PIPE IS  12.1 INCHES
  PIPE-FLOW VELOCITY(FEET/SEC.) =   4.04
  ESTIMATED PIPE DIAMETER(INCH) =  15.00    NUMBER OF PIPES =   1
  PIPE-FLOW(CFS) =       4.29
  PIPE TRAVEL TIME(MIN.) =   2.89    Tc(MIN.) =    8.57
  LONGEST FLOWPATH FROM NODE    714.00 TO NODE    706.00 =     945.00 FEET.

****************************************************************************
  FLOW PROCESS FROM NODE    706.00 TO NODE    706.00 IS CODE =   1
----------------------------------------------------------------------------
  >>>>>DESIGNATE INDEPENDENT STREAM FOR CONFLUENCE<<<<<
  >>>>>AND COMPUTE VARIOUS CONFLUENCED STREAM VALUES<<<<<
============================================================================
  TOTAL NUMBER OF STREAMS =  2
  CONFLUENCE VALUES USED FOR INDEPENDENT STREAM  2 ARE:
  TIME OF CONCENTRATION(MIN.) =    8.57
  RAINFALL INTENSITY(INCH/HR) =   5.96
  TOTAL STREAM AREA(ACRES) =     0.80
  PEAK FLOW RATE(CFS) AT CONFLUENCE =      4.29

  ** CONFLUENCE DATA **
  STREAM     RUNOFF       Tc      INTENSITY      AREA
  NUMBER      (CFS)     (MIN.)   (INCH/HOUR)    (ACRE)
      1        9.46     5.61        7.824          2.30
      2        4.29     8.57        5.957          0.80

  RAINFALL INTENSITY AND TIME OF CONCENTRATION RATIO
  CONFLUENCE FORMULA USED FOR  2 STREAMS.

  ** PEAK FLOW RATE TABLE **
  STREAM     RUNOFF       Tc      INTENSITY
  NUMBER      (CFS)     (MIN.)   (INCH/HOUR)
      1       12.27     5.61        7.824
      2       11.49     8.57        5.957

  COMPUTED CONFLUENCE ESTIMATES ARE AS FOLLOWS:
  PEAK FLOW RATE(CFS) =      12.27   Tc(MIN.) =    5.61
  TOTAL AREA(ACRES) =        3.1
  LONGEST FLOWPATH FROM NODE    714.00 TO NODE    706.00 =     945.00 FEET.

****************************************************************************
  FLOW PROCESS FROM NODE    706.00 TO NODE    704.00 IS CODE =  31
----------------------------------------------------------------------------
  >>>>>COMPUTE PIPE-FLOW TRAVEL TIME THRU SUBAREA<<<<<
  >>>>>USING COMPUTER-ESTIMATED PIPESIZE (NON-PRESSURE FLOW)<<<<<
============================================================================
  ELEVATION DATA: UPSTREAM(FEET) =   535.98  DOWNSTREAM(FEET) =   535.27
  FLOW LENGTH(FEET) =    98.00   MANNING'S N =  0.013
  DEPTH OF FLOW IN  21.0 INCH PIPE IS  16.5 INCHES
  PIPE-FLOW VELOCITY(FEET/SEC.) =   6.06
  ESTIMATED PIPE DIAMETER(INCH) =  21.00    NUMBER OF PIPES =   1
  PIPE-FLOW(CFS) =      12.27
  PIPE TRAVEL TIME(MIN.) =   0.27    Tc(MIN.) =    5.88
  LONGEST FLOWPATH FROM NODE    714.00 TO NODE    704.00 =    1043.00 FEET.

****************************************************************************
  FLOW PROCESS FROM NODE    704.00 TO NODE    704.00 IS CODE =   1
----------------------------------------------------------------------------
  >>>>>DESIGNATE INDEPENDENT STREAM FOR CONFLUENCE<<<<<
============================================================================
  TOTAL NUMBER OF STREAMS =  2
  CONFLUENCE VALUES USED FOR INDEPENDENT STREAM  1 ARE:
  TIME OF CONCENTRATION(MIN.) =    5.88
  RAINFALL INTENSITY(INCH/HR) =   7.59
  TOTAL STREAM AREA(ACRES) =     3.10
  PEAK FLOW RATE(CFS) AT CONFLUENCE =     12.27

****************************************************************************
  FLOW PROCESS FROM NODE    704.00 TO NODE    704.00 IS CODE =   7
----------------------------------------------------------------------------
  >>>>>USER SPECIFIED HYDROLOGY INFORMATION AT NODE<<<<<
============================================================================
```

```
  USER-SPECIFIED VALUES ARE AS FOLLOWS:
  TC(MIN) =   5.00   RAIN INTENSITY(INCH/HOUR) =  8.43
  TOTAL AREA(ACRES) =     0.81   TOTAL RUNOFF(CFS) =      5.69

****************************************************************************
  FLOW PROCESS FROM NODE    704.00 TO NODE    704.00 IS CODE =   1
----------------------------------------------------------------------------
  >>>>>DESIGNATE INDEPENDENT STREAM FOR CONFLUENCE<<<<<
  >>>>>AND COMPUTE VARIOUS CONFLUENCED STREAM VALUES<<<<<
============================================================================
  TOTAL NUMBER OF STREAMS =  2
  CONFLUENCE VALUES USED FOR INDEPENDENT STREAM  2 ARE:
  TIME OF CONCENTRATION(MIN.) =    5.00
  RAINFALL INTENSITY(INCH/HR) =   8.43
  TOTAL STREAM AREA(ACRES) =     0.81
  PEAK FLOW RATE(CFS) AT CONFLUENCE =      5.69

  ** CONFLUENCE DATA **
  STREAM     RUNOFF       Tc      INTENSITY      AREA
  NUMBER      (CFS)     (MIN.)   (INCH/HOUR)    (ACRE)
      1       12.27     5.88        7.591          3.10
      2        5.69     5.00        8.431          0.81

  RAINFALL INTENSITY AND TIME OF CONCENTRATION RATIO
  CONFLUENCE FORMULA USED FOR  2 STREAMS.

  ** PEAK FLOW RATE TABLE **
  STREAM     RUNOFF      Tc      INTENSITY
  NUMBER      (CFS)    (MIN.)   (INCH/HOUR)
      1       16.73     5.00       8.431
      2       17.39     5.88       7.591

  COMPUTED CONFLUENCE ESTIMATES ARE AS FOLLOWS:
  PEAK FLOW RATE(CFS) =      17.39   Tc(MIN.) =    5.88
  TOTAL AREA(ACRES) =        3.9
  LONGEST FLOWPATH FROM NODE    714.00 TO NODE    704.00 =    1043.00 FEET.

****************************************************************************
  FLOW PROCESS FROM NODE    704.00 TO NODE    702.00 IS CODE =  31
----------------------------------------------------------------------------
  >>>>>COMPUTE PIPE-FLOW TRAVEL TIME THRU SUBAREA<<<<<
  >>>>>USING COMPUTER-ESTIMATED PIPESIZE (NON-PRESSURE FLOW)<<<<<
============================================================================
  ELEVATION DATA: UPSTREAM(FEET) =   535.27  DOWNSTREAM(FEET) =   535.22
  FLOW LENGTH(FEET) =    10.00   MANNING'S N =  0.013
  DEPTH OF FLOW IN  27.0 INCH PIPE IS  18.9 INCHES
  PIPE-FLOW VELOCITY(FEET/SEC.) =   5.85
  ESTIMATED PIPE DIAMETER(INCH) =  27.00    NUMBER OF PIPES =   1
  PIPE-FLOW(CFS) =      17.39
  PIPE TRAVEL TIME(MIN.) =   0.03    Tc(MIN.) =    5.91
  LONGEST FLOWPATH FROM NODE    714.00 TO NODE    702.00 =    1053.00 FEET.

****************************************************************************
  FLOW PROCESS FROM NODE    702.00 TO NODE    700.00 IS CODE =  41
----------------------------------------------------------------------------
  >>>>>COMPUTE PIPE-FLOW TRAVEL TIME THRU SUBAREA<<<<<
  >>>>>USING USER-SPECIFIED PIPESIZE (EXISTING ELEMENT)<<<<<
============================================================================
  ELEVATION DATA: UPSTREAM(FEET) =   535.22  DOWNSTREAM(FEET) =   534.93
  FLOW LENGTH(FEET) =    17.00   MANNING'S N =  0.013
  DEPTH OF FLOW IN  30.0 INCH PIPE IS  12.1 INCHES
  PIPE-FLOW VELOCITY(FEET/SEC.) =   9.38
  GIVEN PIPE DIAMETER(INCH) =  30.00    NUMBER OF PIPES =   1
  PIPE-FLOW(CFS) =      17.39
  PIPE TRAVEL TIME(MIN.) =   0.03    Tc(MIN.) =    5.94
  LONGEST FLOWPATH FROM NODE    714.00 TO NODE    700.00 =    1070.00 FEET.

****************************************************************************
  FLOW PROCESS FROM NODE    700.00 TO NODE    104.00 IS CODE =  52
----------------------------------------------------------------------------
  >>>>>COMPUTE NATURAL VALLEY CHANNEL FLOW<<<<<
  >>>>>TRAVELTIME THRU SUBAREA<<<<<
============================================================================
  ELEVATION DATA: UPSTREAM(FEET) =    534.93  DOWNSTREAM(FEET) =    534.50
  CHANNEL LENGTH THRU SUBAREA(FEET) =    16.00   CHANNEL SLOPE =  0.0269
  CHANNEL FLOW THRU SUBAREA(CFS) =      17.39
  FLOW VELOCITY(FEET/SEC) =   4.73 (PER LACFCD/RCFC&WCD HYDROLOGY MANUAL)
  TRAVEL TIME(MIN.) =   0.06   Tc(MIN.) =    6.00
  LONGEST FLOWPATH FROM NODE    714.00 TO NODE    104.00 =    1086.00 FEET.

****************************************************************************
  FLOW PROCESS FROM NODE    104.00 TO NODE    104.00 IS CODE =  11
----------------------------------------------------------------------------
  >>>>>CONFLUENCE MEMORY BANK # 1 WITH THE MAIN-STREAM MEMORY<<<<<
============================================================================

  ** MAIN STREAM CONFLUENCE DATA **
  STREAM     RUNOFF      Tc      INTENSITY     AREA
  NUMBER      (CFS)    (MIN.)   (INCH/HOUR)   (ACRE)
      1       17.39     6.00       7.497        3.91
  LONGEST FLOWPATH FROM NODE    714.00 TO NODE    104.00 =    1086.00 FEET.

  ** MEMORY BANK #  1 CONFLUENCE DATA **
  STREAM     RUNOFF      Tc      INTENSITY     AREA
  NUMBER      (CFS)    (MIN.)   (INCH/HOUR)   (ACRE)
      1        5.92     9.84       5.447        1.52
  LONGEST FLOWPATH FROM NODE    907.00 TO NODE    104.00 =     563.00 FEET.

  ** PEAK FLOW RATE TABLE **
  STREAM    RUNOFF       Tc      INTENSITY
```

```
  NUMBER     (CFS)     (MIN.)   (INCH/HOUR)
      1      21.00       6.00        7.497
      2      18.56       9.84        5.447

  COMPUTED CONFLUENCE ESTIMATES ARE AS FOLLOWS:
  PEAK FLOW RATE(CFS) =      21.00   Tc(MIN.) =    6.00
  TOTAL AREA(ACRES) =        5.4

****************************************************************************
  FLOW PROCESS FROM NODE    104.00 TO NODE    103.00 IS CODE =  52
----------------------------------------------------------------------------
  >>>>>COMPUTE NATURAL VALLEY CHANNEL FLOW<<<<<
  >>>>>TRAVELTIME THRU SUBAREA<<<<<
============================================================================
  ELEVATION DATA: UPSTREAM(FEET) =    534.50  DOWNSTREAM(FEET) =    533.50
  CHANNEL LENGTH THRU SUBAREA(FEET) =   120.00   CHANNEL SLOPE =  0.0083
  CHANNEL FLOW THRU SUBAREA(CFS) =      21.00
  FLOW VELOCITY(FEET/SEC) =   2.77 (PER LACFCD/RCFC&WCD HYDROLOGY MANUAL)
  TRAVEL TIME(MIN.) =   0.72   Tc(MIN.) =    6.72
  LONGEST FLOWPATH FROM NODE    714.00 TO NODE    103.00 =    1206.00 FEET.

****************************************************************************
  FLOW PROCESS FROM NODE    103.00 TO NODE    103.00 IS CODE =   1
----------------------------------------------------------------------------
  >>>>>DESIGNATE INDEPENDENT STREAM FOR CONFLUENCE<<<<<
============================================================================
  TOTAL NUMBER OF STREAMS =  2
  CONFLUENCE VALUES USED FOR INDEPENDENT STREAM  1 ARE:
  TIME OF CONCENTRATION(MIN.) =    6.72
  RAINFALL INTENSITY(INCH/HR) =   6.97
  TOTAL STREAM AREA(ACRES) =     5.43
  PEAK FLOW RATE(CFS) AT CONFLUENCE =     21.00

****************************************************************************
  FLOW PROCESS FROM NODE    400.00 TO NODE    400.00 IS CODE =   7
----------------------------------------------------------------------------
  >>>>>USER SPECIFIED HYDROLOGY INFORMATION AT NODE<<<<<
============================================================================
  USER-SPECIFIED VALUES ARE AS FOLLOWS:
  TC(MIN) =  10.19   RAIN INTENSITY(INCH/HOUR) =  5.33
  TOTAL AREA(ACRES) =     1.28   TOTAL RUNOFF(CFS) =      4.14

****************************************************************************
  FLOW PROCESS FROM NODE    400.00 TO NODE    103.00 IS CODE =  31
----------------------------------------------------------------------------
  >>>>>COMPUTE PIPE-FLOW TRAVEL TIME THRU SUBAREA<<<<<
  >>>>>USING COMPUTER-ESTIMATED PIPESIZE (NON-PRESSURE FLOW)<<<<<
============================================================================
  ELEVATION DATA: UPSTREAM(FEET) =   534.35  DOWNSTREAM(FEET) =   533.50
  FLOW LENGTH(FEET) =    35.00   MANNING'S N =  0.013
  DEPTH OF FLOW IN  12.0 INCH PIPE IS   8.0 INCHES
  PIPE-FLOW VELOCITY(FEET/SEC.) =   7.43
  ESTIMATED PIPE DIAMETER(INCH) =  12.00    NUMBER OF PIPES =   1
  PIPE-FLOW(CFS) =       4.14
  PIPE TRAVEL TIME(MIN.) =   0.08    Tc(MIN.) =   10.27
  LONGEST FLOWPATH FROM NODE    714.00 TO NODE    103.00 =     980.00 FEET.

****************************************************************************
  FLOW PROCESS FROM NODE    103.00 TO NODE    103.00 IS CODE =   1
----------------------------------------------------------------------------
  >>>>>DESIGNATE INDEPENDENT STREAM FOR CONFLUENCE<<<<<
  >>>>>AND COMPUTE VARIOUS CONFLUENCED STREAM VALUES<<<<<
============================================================================
  TOTAL NUMBER OF STREAMS =  2
  CONFLUENCE VALUES USED FOR INDEPENDENT STREAM  2 ARE:
  TIME OF CONCENTRATION(MIN.) =   10.27
  RAINFALL INTENSITY(INCH/HR) =   5.30
  TOTAL STREAM AREA(ACRES) =     1.28
  PEAK FLOW RATE(CFS) AT CONFLUENCE =      4.14

  ** CONFLUENCE DATA **
  STREAM     RUNOFF       Tc      INTENSITY      AREA
  NUMBER      (CFS)     (MIN.)   (INCH/HOUR)    (ACRE)
      1       21.00     6.72        6.967          5.43
      2        4.14    10.27        5.300          1.28

  RAINFALL INTENSITY AND TIME OF CONCENTRATION RATIO
  CONFLUENCE FORMULA USED FOR  2 STREAMS.

  ** PEAK FLOW RATE TABLE **
  STREAM     RUNOFF       Tc      INTENSITY
  NUMBER      (CFS)     (MIN.)   (INCH/HOUR)
      1       23.71     6.72        6.967
      2       20.11    10.27        5.300

  COMPUTED CONFLUENCE ESTIMATES ARE AS FOLLOWS:
  PEAK FLOW RATE(CFS) =      23.71   Tc(MIN.) =    6.72
  TOTAL AREA(ACRES) =        6.7
  LONGEST FLOWPATH FROM NODE    714.00 TO NODE    103.00 =    1206.00 FEET.

****************************************************************************
  FLOW PROCESS FROM NODE    103.00 TO NODE    102.00 IS CODE =  52
----------------------------------------------------------------------------
  >>>>>COMPUTE NATURAL VALLEY CHANNEL FLOW<<<<<
  >>>>>TRAVELTIME THRU SUBAREA<<<<<
============================================================================
  ELEVATION DATA: UPSTREAM(FEET) =    533.50  DOWNSTREAM(FEET) =    533.00
  CHANNEL LENGTH THRU SUBAREA(FEET) =   160.00   CHANNEL SLOPE =  0.0031
  CHANNEL FLOW THRU SUBAREA(CFS) =      23.71
  FLOW VELOCITY(FEET/SEC) =   1.75 (PER LACFCD/RCFC&WCD HYDROLOGY MANUAL)
```

```
  TRAVEL TIME(MIN.) =   1.52   Tc(MIN.) =    8.24
  LONGEST FLOWPATH FROM NODE    714.00 TO NODE    102.00 =    1366.00 FEET.

****************************************************************************
  FLOW PROCESS FROM NODE    102.00 TO NODE    102.00 IS CODE =   1
----------------------------------------------------------------------------
  >>>>>DESIGNATE INDEPENDENT STREAM FOR CONFLUENCE<<<<<
============================================================================
  TOTAL NUMBER OF STREAMS =  2
  CONFLUENCE VALUES USED FOR INDEPENDENT STREAM  1 ARE:
  TIME OF CONCENTRATION(MIN.) =    8.24
  RAINFALL INTENSITY(INCH/HR) =   6.11
  TOTAL STREAM AREA(ACRES) =     6.71
  PEAK FLOW RATE(CFS) AT CONFLUENCE =     23.71

****************************************************************************
  FLOW PROCESS FROM NODE    315.00 TO NODE    310.00 IS CODE =  21
----------------------------------------------------------------------------
  >>>>>RATIONAL METHOD INITIAL SUBAREA ANALYSIS<<<<<
============================================================================
  *USER SPECIFIED(SUBAREA):
  USER-SPECIFIED RUNOFF COEFFICIENT = .8200
  S.C.S. CURVE NUMBER (AMC II) =   0
  INITIAL SUBAREA FLOW-LENGTH(FEET) =    58.00
  UPSTREAM ELEVATION(FEET) =    543.00
  DOWNSTREAM ELEVATION(FEET) =    541.75
  ELEVATION DIFFERENCE(FEET) =      1.25
  SUBAREA OVERLAND TIME OF FLOW(MIN.) =    2.972
   100 YEAR RAINFALL INTENSITY(INCH/HOUR) =  8.431
  NOTE: RAINFALL INTENSITY IS BASED ON Tc = 5-MINUTE.
  SUBAREA RUNOFF(CFS) =      1.04
  TOTAL AREA(ACRES) =      0.15   TOTAL RUNOFF(CFS) =      1.04

****************************************************************************
  FLOW PROCESS FROM NODE    310.00 TO NODE    305.00 IS CODE =  91
----------------------------------------------------------------------------
  >>>>>COMPUTE "V" GUTTER FLOW TRAVEL TIME THRU SUBAREA<<<<<
============================================================================
  UPSTREAM NODE ELEVATION(FEET) =    541.75
  DOWNSTREAM NODE ELEVATION(FEET) =    540.50
  CHANNEL LENGTH THRU SUBAREA(FEET) =   172.00
  "V" GUTTER WIDTH(FEET) =   3.00   GUTTER HIKE(FEET) =  0.125
  PAVEMENT LIP(FEET) =  0.030   MANNING'S N = .0150
  PAVEMENT CROSSFALL(DECIMAL NOTATION) = 0.02000
  MAXIMUM DEPTH(FEET) =   0.62
   100 YEAR RAINFALL INTENSITY(INCH/HOUR) =  8.431
  NOTE: RAINFALL INTENSITY IS BASED ON Tc = 5-MINUTE.
  *USER SPECIFIED(SUBAREA):
  USER-SPECIFIED RUNOFF COEFFICIENT = .8100
  S.C.S. CURVE NUMBER (AMC II) =   0
  TRAVEL TIME COMPUTED USING ESTIMATED FLOW(CFS) =      5.17
  TRAVEL TIME THRU SUBAREA BASED ON VELOCITY(FEET/SEC.) =   2.28
  AVERAGE FLOW DEPTH(FEET) =   0.33   FLOOD WIDTH(FEET) =   20.17
  "V" GUTTER FLOW TRAVEL TIME(MIN.) =   1.26   Tc(MIN.) =    4.23
  SUBAREA AREA(ACRES) =    1.21       SUBAREA RUNOFF(CFS) =    8.26
  AREA-AVERAGE RUNOFF COEFFICIENT =  0.811
  TOTAL AREA(ACRES) =        1.4          PEAK FLOW RATE(CFS) =       9.30

  END OF SUBAREA "V" GUTTER HYDRAULICS:
  DEPTH(FEET) =  0.39   FLOOD WIDTH(FEET) =   26.22
  FLOW VELOCITY(FEET/SEC.) =   2.53   DEPTH*VELOCITY(FT*FT/SEC) =   0.98
  LONGEST FLOWPATH FROM NODE    315.00 TO NODE    305.00 =     230.00 FEET.

****************************************************************************
  FLOW PROCESS FROM NODE    305.00 TO NODE    305.00 IS CODE =   7
----------------------------------------------------------------------------
  >>>>>USER SPECIFIED HYDROLOGY INFORMATION AT NODE<<<<<
============================================================================
  USER-SPECIFIED VALUES ARE AS FOLLOWS:
  TC(MIN) =   5.00   RAIN INTENSITY(INCH/HOUR) =  8.43
  TOTAL AREA(ACRES) =     1.40   TOTAL RUNOFF(CFS) =      5.34

****************************************************************************
  FLOW PROCESS FROM NODE    305.00 TO NODE    301.00 IS CODE =  31
----------------------------------------------------------------------------
  >>>>>COMPUTE PIPE-FLOW TRAVEL TIME THRU SUBAREA<<<<<
  >>>>>USING COMPUTER-ESTIMATED PIPESIZE (NON-PRESSURE FLOW)<<<<<
============================================================================
  ELEVATION DATA: UPSTREAM(FEET) =   535.81  DOWNSTREAM(FEET) =   535.14
  FLOW LENGTH(FEET) =   175.00   MANNING'S N =  0.013
  DEPTH OF FLOW IN  18.0 INCH PIPE IS  12.9 INCHES
  PIPE-FLOW VELOCITY(FEET/SEC.) =   3.93
  ESTIMATED PIPE DIAMETER(INCH) =  18.00    NUMBER OF PIPES =   1
  PIPE-FLOW(CFS) =       5.34
  PIPE TRAVEL TIME(MIN.) =   0.74    Tc(MIN.) =    5.74
  LONGEST FLOWPATH FROM NODE    315.00 TO NODE    301.00 =     405.00 FEET.

****************************************************************************
  FLOW PROCESS FROM NODE    301.00 TO NODE    301.00 IS CODE =   7
----------------------------------------------------------------------------
  >>>>>USER SPECIFIED HYDROLOGY INFORMATION AT NODE<<<<<
============================================================================
  USER-SPECIFIED VALUES ARE AS FOLLOWS:
  TC(MIN) =   5.74   RAIN INTENSITY(INCH/HOUR) =  7.71
  TOTAL AREA(ACRES) =     1.40   TOTAL RUNOFF(CFS) =      4.25

****************************************************************************
  FLOW PROCESS FROM NODE    301.00 TO NODE    300.00 IS CODE =  31
----------------------------------------------------------------------------
  >>>>>COMPUTE PIPE-FLOW TRAVEL TIME THRU SUBAREA<<<<<
```

```
  >>>>>USING COMPUTER-ESTIMATED PIPESIZE (NON-PRESSURE FLOW)<<<<<
============================================================================
  ELEVATION DATA: UPSTREAM(FEET) =   535.14  DOWNSTREAM(FEET) =   534.50
  FLOW LENGTH(FEET) =    32.00   MANNING'S N =  0.013
  DEPTH OF FLOW IN  12.0 INCH PIPE IS   8.8 INCHES
  PIPE-FLOW VELOCITY(FEET/SEC.) =   6.87
  ESTIMATED PIPE DIAMETER(INCH) =  12.00    NUMBER OF PIPES =   1
  PIPE-FLOW(CFS) =       4.25
  PIPE TRAVEL TIME(MIN.) =   0.08    Tc(MIN.) =    5.82
  LONGEST FLOWPATH FROM NODE    315.00 TO NODE    300.00 =     437.00 FEET.

****************************************************************************
  FLOW PROCESS FROM NODE    300.00 TO NODE    102.00 IS CODE =  52
----------------------------------------------------------------------------
  >>>>>COMPUTE NATURAL VALLEY CHANNEL FLOW<<<<<
  >>>>>TRAVELTIME THRU SUBAREA<<<<<
============================================================================
  ELEVATION DATA: UPSTREAM(FEET) =    534.50  DOWNSTREAM(FEET) =    533.00
  CHANNEL LENGTH THRU SUBAREA(FEET) =    25.00   CHANNEL SLOPE =  0.0600
  CHANNEL FLOW THRU SUBAREA(CFS) =       4.25
  FLOW VELOCITY(FEET/SEC) =   4.98 (PER LACFCD/RCFC&WCD HYDROLOGY MANUAL)
  TRAVEL TIME(MIN.) =   0.08   Tc(MIN.) =    5.90
  LONGEST FLOWPATH FROM NODE    315.00 TO NODE    102.00 =     462.00 FEET.

****************************************************************************
  FLOW PROCESS FROM NODE    102.00 TO NODE    102.00 IS CODE =   1
----------------------------------------------------------------------------
  >>>>>DESIGNATE INDEPENDENT STREAM FOR CONFLUENCE<<<<<
  >>>>>AND COMPUTE VARIOUS CONFLUENCED STREAM VALUES<<<<<
============================================================================
  TOTAL NUMBER OF STREAMS =  2
  CONFLUENCE VALUES USED FOR INDEPENDENT STREAM  2 ARE:
  TIME OF CONCENTRATION(MIN.) =    5.90
  RAINFALL INTENSITY(INCH/HR) =   7.58
  TOTAL STREAM AREA(ACRES) =     1.40
  PEAK FLOW RATE(CFS) AT CONFLUENCE =      4.25

  ** CONFLUENCE DATA **
  STREAM     RUNOFF       Tc      INTENSITY      AREA
  NUMBER      (CFS)     (MIN.)   (INCH/HOUR)    (ACRE)
      1       23.71     8.24        6.109         6.71
      2        4.25     5.90        7.576         1.40

  RAINFALL INTENSITY AND TIME OF CONCENTRATION RATIO
  CONFLUENCE FORMULA USED FOR  2 STREAMS.

  ** PEAK FLOW RATE TABLE **
  STREAM     RUNOFF       Tc      INTENSITY
  NUMBER      (CFS)    (MIN.)   (INCH/HOUR)
      1       23.37     5.90       7.576
      2       27.13     8.24       6.109

  COMPUTED CONFLUENCE ESTIMATES ARE AS FOLLOWS:
  PEAK FLOW RATE(CFS) =      27.13   Tc(MIN.) =    8.24
  TOTAL AREA(ACRES) =        8.1
  LONGEST FLOWPATH FROM NODE    714.00 TO NODE    102.00 =    1366.00 FEET.

****************************************************************************
  FLOW PROCESS FROM NODE    102.00 TO NODE    101.00 IS CODE =  52
----------------------------------------------------------------------------
  >>>>>COMPUTE NATURAL VALLEY CHANNEL FLOW<<<<<
  >>>>>TRAVELTIME THRU SUBAREA<<<<<
============================================================================
  ELEVATION DATA: UPSTREAM(FEET) =    533.00  DOWNSTREAM(FEET) =    532.00
  CHANNEL LENGTH THRU SUBAREA(FEET) =   100.00   CHANNEL SLOPE =  0.0100
  CHANNEL FLOW THRU SUBAREA(CFS) =      27.13
  FLOW VELOCITY(FEET/SEC) =   3.26 (PER LACFCD/RCFC&WCD HYDROLOGY MANUAL)
  TRAVEL TIME(MIN.) =   0.51   Tc(MIN.) =    8.75
  LONGEST FLOWPATH FROM NODE    714.00 TO NODE    101.00 =    1466.00 FEET.

****************************************************************************
  FLOW PROCESS FROM NODE    101.00 TO NODE    101.00 IS CODE =   1
----------------------------------------------------------------------------
  >>>>>DESIGNATE INDEPENDENT STREAM FOR CONFLUENCE<<<<<
============================================================================
  TOTAL NUMBER OF STREAMS =  2
  CONFLUENCE VALUES USED FOR INDEPENDENT STREAM  1 ARE:
  TIME OF CONCENTRATION(MIN.) =    8.75
  RAINFALL INTENSITY(INCH/HR) =   5.88
  TOTAL STREAM AREA(ACRES) =     8.11
  PEAK FLOW RATE(CFS) AT CONFLUENCE =     27.13

****************************************************************************
  FLOW PROCESS FROM NODE    200.00 TO NODE    200.00 IS CODE =   7
----------------------------------------------------------------------------
  >>>>>USER SPECIFIED HYDROLOGY INFORMATION AT NODE<<<<<
============================================================================
  USER-SPECIFIED VALUES ARE AS FOLLOWS:
  TC(MIN) =   9.79   RAIN INTENSITY(INCH/HOUR) =  5.47
  TOTAL AREA(ACRES) =     2.57   TOTAL RUNOFF(CFS) =      6.80

****************************************************************************
  FLOW PROCESS FROM NODE    200.00 TO NODE    101.00 IS CODE =  41
----------------------------------------------------------------------------
  >>>>>COMPUTE PIPE-FLOW TRAVEL TIME THRU SUBAREA<<<<<
  >>>>>USING USER-SPECIFIED PIPESIZE (EXISTING ELEMENT)<<<<<
============================================================================
  ELEVATION DATA: UPSTREAM(FEET) =   533.87  DOWNSTREAM(FEET) =   532.00
  FLOW LENGTH(FEET) =    30.00   MANNING'S N =  0.013
  DEPTH OF FLOW IN  18.0 INCH PIPE IS   4.5 INCHES
```

```
  PIPE-FLOW VELOCITY(FEET/SEC.) =   9.86
  GIVEN PIPE DIAMETER(INCH) =  18.00    NUMBER OF PIPES =   2
  PIPE-FLOW(CFS) =       6.80
  PIPE TRAVEL TIME(MIN.) =   0.05    Tc(MIN.) =    9.84
  LONGEST FLOWPATH FROM NODE    315.00 TO NODE    101.00 =     492.00 FEET.

****************************************************************************
  FLOW PROCESS FROM NODE    101.00 TO NODE    101.00 IS CODE =   1
----------------------------------------------------------------------------
  >>>>>DESIGNATE INDEPENDENT STREAM FOR CONFLUENCE<<<<<
  >>>>>AND COMPUTE VARIOUS CONFLUENCED STREAM VALUES<<<<<
============================================================================
  TOTAL NUMBER OF STREAMS =  2
  CONFLUENCE VALUES USED FOR INDEPENDENT STREAM  2 ARE:
  TIME OF CONCENTRATION(MIN.) =    9.84
  RAINFALL INTENSITY(INCH/HR) =   5.45
  TOTAL STREAM AREA(ACRES) =     2.57
  PEAK FLOW RATE(CFS) AT CONFLUENCE =      6.80

  ** CONFLUENCE DATA **
  STREAM     RUNOFF       Tc      INTENSITY      AREA
  NUMBER      (CFS)     (MIN.)   (INCH/HOUR)    (ACRE)
      1       27.13     8.75        5.876          8.11
      2        6.80     9.84        5.448          2.57

  RAINFALL INTENSITY AND TIME OF CONCENTRATION RATIO
  CONFLUENCE FORMULA USED FOR  2 STREAMS.

  ** PEAK FLOW RATE TABLE **
  STREAM     RUNOFF      Tc      INTENSITY
  NUMBER      (CFS)    (MIN.)   (INCH/HOUR)
      1       33.18     8.75       5.876
      2       31.96     9.84       5.448

  COMPUTED CONFLUENCE ESTIMATES ARE AS FOLLOWS:
  PEAK FLOW RATE(CFS) =      33.18   Tc(MIN.) =    8.75
  TOTAL AREA(ACRES) =       10.7
  LONGEST FLOWPATH FROM NODE    714.00 TO NODE    101.00 =    1466.00 FEET.

****************************************************************************
  FLOW PROCESS FROM NODE    101.00 TO NODE    100.00 IS CODE =  52
----------------------------------------------------------------------------
  >>>>>COMPUTE NATURAL VALLEY CHANNEL FLOW<<<<<
  >>>>>TRAVELTIME THRU SUBAREA<<<<<
============================================================================
  ELEVATION DATA: UPSTREAM(FEET) =    532.00  DOWNSTREAM(FEET) =    531.40
  CHANNEL LENGTH THRU SUBAREA(FEET) =   110.00   CHANNEL SLOPE =  0.0055
  CHANNEL FLOW THRU SUBAREA(CFS) =      33.18
  FLOW VELOCITY(FEET/SEC) =   2.54 (PER LACFCD/RCFC&WCD HYDROLOGY MANUAL)
  TRAVEL TIME(MIN.) =   0.72   Tc(MIN.) =    9.47
  LONGEST FLOWPATH FROM NODE    714.00 TO NODE    100.00 =    1576.00 FEET.
============================================================================
  END OF STUDY SUMMARY:
  TOTAL AREA(ACRES)     =       10.7  TC(MIN.) =      9.47
  PEAK FLOW RATE(CFS)   =      33.18
============================================================================
============================================================================
  END OF RATIONAL METHOD ANALYSIS
```

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Job Name: MARCOS
Job #: 1960-01
Run Name: AV-P200d.DAT
Date: 3/3/2023 POST DETENTION
Notes: 102 units / 5.02 ac = 20.32 DU/AC
Soil Type C: C=0.69 Soil Type D: C=0.71
25%-75% Soil Type D: C=0.70 P6=3.2

Node 1	Node 2	Code	Elev 1 (feet)	Elev 2 (feet)	Length (feet)	C Factor	Area (acres)	Comments	BANK 1	BANK 2	BANK 3
238	236	2	543.6	543.1	55	0.69	0.21	B1			
236	234	9	543.1	542.7	90	0.69	0.25	B2			
234	225	6	542.7	541.5	135	0.69	0.32	B3			
225	225	1						1 OF 3			
232	230	2	542.64	542.25	45	0.69	0.17	B4			
230	225	9	542.25	541.5	105	0.69	0.22	B5			
225	225	1						2 OF 3			
228	226	2	542.4	541.93	60	0.69	0.14	B6			
226	225	9	541.93	541.5	80	0.69	0.17	B7			
225	225	1						3 OF 3			
225	210	6	541.5	540.2	190	0.69	0.04	B8			
210	210	1						1 OF 3			
222	220	2	541.5	540.97	65	0.71	0.21	B9			
220	210	9	540.97	540.2	150	0.7	0.26	B10			
210	210	1						2 OF 3			
214	212	2	542.75	542.04	70	0.71	0.06	B13			
212	210	5	542.04	540.2	130						
212	210	8				0.71	0.11	B14			
210	210	1						3 OF 3			
211	210	8				0.69	0.41	B12			
210	206	3	540.2	536.15	54			DETENTION BASIN IN			
204	204	7	Tc=9.14	Q=6.80		A=	2.57	BMP 3-WEST POST DET			
204	202	3	534.78	534.39	78			DETENTION BASIN OUT			
202	200	3	534.39	533.87	100						

```
______________________________________________________________________________
******************************************************************************

           RATIONAL METHOD HYDROLOGY COMPUTER PROGRAM PACKAGE
           Reference: SAN DIEGO COUNTY FLOOD CONTROL DISTRICT
                      2003,1985,1981 HYDROLOGY MANUAL
        (c) Copyright 1982-2016 Advanced Engineering Software (aes)
            Ver. 23.0 Release Date: 07/01/2016  License ID 1355

                         Analysis prepared by:

                           Fuscoe Engineering
                           6390 Greenwich Dr
                               Suite 170
                          San Diego, CA 92064

 ************************ DESCRIPTION OF STUDY ************************
* ARTISTS VILLAGE                                                      *
* PROPOSED HYDROLOGY - POST DETENTION                                  *
* BASIN 200                                                            *
 ************************************************************************

  FILE NAME: AV-P200D.DAT
  TIME/DATE OF STUDY: 15:02 03/02/2023
------------------------------------------------------------------------------
  USER SPECIFIED HYDROLOGY AND HYDRAULIC MODEL INFORMATION:
------------------------------------------------------------------------------
  2003 SAN DIEGO MANUAL CRITERIA

  USER SPECIFIED STORM EVENT(YEAR) = 100.00
  6-HOUR DURATION PRECIPITATION (INCHES) =   3.200
  SPECIFIED MINIMUM PIPE SIZE(INCH) =   3.00
  SPECIFIED PERCENT OF GRADIENTS(DECIMAL) TO USE FOR FRICTION SLOPE = 0.90
  SAN DIEGO HYDROLOGY MANUAL "C"-VALUES USED FOR RATIONAL METHOD
  NOTE: USE MODIFIED RATIONAL METHOD PROCEDURES FOR CONFLUENCE ANALYSIS
  *USER-DEFINED STREET-SECTIONS FOR COUPLED PIPEFLOW AND STREETFLOW MODEL*
     HALF-  CROWN TO   STREET-CROSSFALL:   CURB  GUTTER-GEOMETRIES:  MANNING
     WIDTH  CROSSFALL  IN-  / OUT-/PARK-  HEIGHT  WIDTH  LIP   HIKE  FACTOR
NO.   (FT)     (FT)    SIDE / SIDE/ WAY    (FT)    (FT)  (FT)  (FT)    (n)
===  =====  =========  =================  ======  ===== ====== ===== =======
  1   24.0      8.0    0.020/0.020/0.020   0.50    1.50 0.0313 0.125 0.0150
  2   13.0      8.0    0.020/0.020/0.020   0.50    1.50 0.0313 0.125 0.0150

  GLOBAL STREET FLOW-DEPTH CONSTRAINTS:
    1. Relative Flow-Depth =  0.00 FEET
       as (Maximum Allowable Street Flow Depth) - (Top-of-Curb)
    2. (Depth)*(Velocity) Constraint =  6.0 (FT*FT/S)
  *SIZE PIPE WITH A FLOW CAPACITY GREATER THAN
   OR EQUAL TO THE UPSTREAM TRIBUTARY PIPE.*

******************************************************************************
  FLOW PROCESS FROM NODE    238.00 TO NODE    236.00 IS CODE =  21
------------------------------------------------------------------------------
  >>>>>RATIONAL METHOD INITIAL SUBAREA ANALYSIS<<<<<
==============================================================================
  *USER SPECIFIED(SUBAREA):
  USER-SPECIFIED RUNOFF COEFFICIENT = .6900
  S.C.S. CURVE NUMBER (AMC II) =   0
  INITIAL SUBAREA FLOW-LENGTH(FEET) =    55.00
  UPSTREAM ELEVATION(FEET) =    543.60
  DOWNSTREAM ELEVATION(FEET) =    543.10
  ELEVATION DIFFERENCE(FEET) =      0.50
  SUBAREA OVERLAND TIME OF FLOW(MIN.) =    5.650
   100 YEAR RAINFALL INTENSITY(INCH/HOUR) =  7.792
  SUBAREA RUNOFF(CFS) =      1.13
  TOTAL AREA(ACRES) =      0.21   TOTAL RUNOFF(CFS) =      1.13

******************************************************************************
  FLOW PROCESS FROM NODE    236.00 TO NODE    234.00 IS CODE =  91
------------------------------------------------------------------------------
  >>>>>COMPUTE "V" GUTTER FLOW TRAVEL TIME THRU SUBAREA<<<<<
==============================================================================
  UPSTREAM NODE ELEVATION(FEET) =    543.10
  DOWNSTREAM NODE ELEVATION(FEET) =    542.70
  CHANNEL LENGTH THRU SUBAREA(FEET) =    90.00
  "V" GUTTER WIDTH(FEET) =   3.00   GUTTER HIKE(FEET) =  0.125
  PAVEMENT LIP(FEET) =  0.030   MANNING'S N = .0150
  PAVEMENT CROSSFALL(DECIMAL NOTATION) = 0.02000
  MAXIMUM DEPTH(FEET) =   1.00
   100 YEAR RAINFALL INTENSITY(INCH/HOUR) =  7.051
  *USER SPECIFIED(SUBAREA):
  USER-SPECIFIED RUNOFF COEFFICIENT = .6900
  S.C.S. CURVE NUMBER (AMC II) =   0
  TRAVEL TIME COMPUTED USING ESTIMATED FLOW(CFS) =      1.74
  TRAVEL TIME THRU SUBAREA BASED ON VELOCITY(FEET/SEC.) =   1.58
  AVERAGE FLOW DEPTH(FEET) =   0.26   FLOOD WIDTH(FEET) =   13.15
  "V" GUTTER FLOW TRAVEL TIME(MIN.) =   0.95   Tc(MIN.) =    6.60
  SUBAREA AREA(ACRES) =    0.25       SUBAREA RUNOFF(CFS) =    1.22
  AREA-AVERAGE RUNOFF COEFFICIENT =  0.690
  TOTAL AREA(ACRES) =        0.5         PEAK FLOW RATE(CFS) =       2.24

  END OF SUBAREA "V" GUTTER HYDRAULICS:
  DEPTH(FEET) =  0.28   FLOOD WIDTH(FEET) =   15.13
  FLOW VELOCITY(FEET/SEC.) =   1.63   DEPTH*VELOCITY(FT*FT/SEC) =   0.45
  LONGEST FLOWPATH FROM NODE    238.00 TO NODE    234.00 =     145.00 FEET.

******************************************************************************
  FLOW PROCESS FROM NODE    234.00 TO NODE    225.00 IS CODE =  62
------------------------------------------------------------------------------
  >>>>>COMPUTE STREET FLOW TRAVEL TIME THRU SUBAREA<<<<<
```

```
  >>>>>(STREET TABLE SECTION #  1 USED)<<<<<
================================================================================
  UPSTREAM ELEVATION(FEET) =  542.70  DOWNSTREAM ELEVATION(FEET) =  541.50
  STREET LENGTH(FEET) =   135.00   CURB HEIGHT(INCHES) =  6.0
  STREET HALFWIDTH(FEET) = 24.00

  DISTANCE FROM CROWN TO CROSSFALL GRADEBREAK(FEET) =   8.00
  INSIDE STREET CROSSFALL(DECIMAL) =  0.020
  OUTSIDE STREET CROSSFALL(DECIMAL)  =  0.020

  SPECIFIED NUMBER OF HALFSTREETS CARRYING RUNOFF =  1
  STREET PARKWAY CROSSFALL(DECIMAL)  =  0.020
  Manning's FRICTION FACTOR for Streetflow Section(curb-to-curb) =   0.0150
  Manning's FRICTION FACTOR for Back-of-Walk Flow Section =   0.0150

    **TRAVEL TIME COMPUTED USING ESTIMATED FLOW(CFS) =       2.95
    STREETFLOW MODEL RESULTS USING ESTIMATED FLOW:
    STREET FLOW DEPTH(FEET) =  0.35
    HALFSTREET FLOOD WIDTH(FEET) =   10.99
    AVERAGE FLOW VELOCITY(FEET/SEC.) =    2.22
    PRODUCT OF DEPTH&VELOCITY(FT*FT/SEC.) =    0.77
  STREET FLOW TRAVEL TIME(MIN.) =   1.01   Tc(MIN.) =    7.61
   100 YEAR RAINFALL INTENSITY(INCH/HOUR) =  6.431
  *USER SPECIFIED(SUBAREA):
  USER-SPECIFIED RUNOFF COEFFICIENT = .6900
  S.C.S. CURVE NUMBER (AMC II) =   0
  AREA-AVERAGE RUNOFF COEFFICIENT =  0.690
  SUBAREA AREA(ACRES) =    0.32      SUBAREA RUNOFF(CFS) =    1.42
  TOTAL AREA(ACRES) =        0.8        PEAK FLOW RATE(CFS) =       3.46

  END OF SUBAREA STREET FLOW HYDRAULICS:
  DEPTH(FEET) = 0.36   HALFSTREET FLOOD WIDTH(FEET) =  11.72
  FLOW VELOCITY(FEET/SEC.) =  2.32   DEPTH*VELOCITY(FT*FT/SEC.) =   0.84
  LONGEST FLOWPATH FROM NODE    238.00 TO NODE    225.00 =     280.00 FEET.

****************************************************************************
  FLOW PROCESS FROM NODE    225.00 TO NODE    225.00 IS CODE =   1
----------------------------------------------------------------------------
  >>>>>DESIGNATE INDEPENDENT STREAM FOR CONFLUENCE<<<<<
============================================================================
  TOTAL NUMBER OF STREAMS =  3
  CONFLUENCE VALUES USED FOR INDEPENDENT STREAM  1 ARE:
  TIME OF CONCENTRATION(MIN.) =    7.61
  RAINFALL INTENSITY(INCH/HR) =   6.43
  TOTAL STREAM AREA(ACRES) =     0.78
  PEAK FLOW RATE(CFS) AT CONFLUENCE =      3.46

****************************************************************************
  FLOW PROCESS FROM NODE    232.00 TO NODE    230.00 IS CODE =  21
----------------------------------------------------------------------------
```

```
  >>>>>RATIONAL METHOD INITIAL SUBAREA ANALYSIS<<<<<
============================================================================
  *USER SPECIFIED(SUBAREA):
  USER-SPECIFIED RUNOFF COEFFICIENT = .6900
  S.C.S. CURVE NUMBER (AMC II) =   0
  INITIAL SUBAREA FLOW-LENGTH(FEET) =    45.00
  UPSTREAM ELEVATION(FEET) =    542.60
  DOWNSTREAM ELEVATION(FEET) =    542.30
  ELEVATION DIFFERENCE(FEET) =      0.30
  SUBAREA OVERLAND TIME OF FLOW(MIN.) =    5.667
   100 YEAR RAINFALL INTENSITY(INCH/HOUR) =  7.777
  SUBAREA RUNOFF(CFS) =      0.91
  TOTAL AREA(ACRES) =      0.17   TOTAL RUNOFF(CFS) =      0.91

****************************************************************************
  FLOW PROCESS FROM NODE    230.00 TO NODE    225.00 IS CODE =  91
----------------------------------------------------------------------------
  >>>>>COMPUTE "V" GUTTER FLOW TRAVEL TIME THRU SUBAREA<<<<<
============================================================================
  UPSTREAM NODE ELEVATION(FEET) =    542.30
  DOWNSTREAM NODE ELEVATION(FEET) =    541.50
  CHANNEL LENGTH THRU SUBAREA(FEET) =   105.00
  "V" GUTTER WIDTH(FEET) =   3.00   GUTTER HIKE(FEET) =  0.125
  PAVEMENT LIP(FEET) =  0.030   MANNING'S N = .0150
  PAVEMENT CROSSFALL(DECIMAL NOTATION) = 0.02000
  MAXIMUM DEPTH(FEET) =   2.00
   100 YEAR RAINFALL INTENSITY(INCH/HOUR) =  7.088
  *USER SPECIFIED(SUBAREA):
  USER-SPECIFIED RUNOFF COEFFICIENT = .6900
  S.C.S. CURVE NUMBER (AMC II) =   0
  TRAVEL TIME COMPUTED USING ESTIMATED FLOW(CFS) =      1.45
  TRAVEL TIME THRU SUBAREA BASED ON VELOCITY(FEET/SEC.) =   2.00
  AVERAGE FLOW DEPTH(FEET) =   0.22   FLOOD WIDTH(FEET) =    9.94
  "V" GUTTER FLOW TRAVEL TIME(MIN.) =   0.88   Tc(MIN.) =    6.54
  SUBAREA AREA(ACRES) =    0.22       SUBAREA RUNOFF(CFS) =    1.08
  AREA-AVERAGE RUNOFF COEFFICIENT =  0.690
  TOTAL AREA(ACRES) =        0.4         PEAK FLOW RATE(CFS) =       1.91

  END OF SUBAREA "V" GUTTER HYDRAULICS:
  DEPTH(FEET) =  0.24   FLOOD WIDTH(FEET) =   11.92
  FLOW VELOCITY(FEET/SEC.) =   2.02   DEPTH*VELOCITY(FT*FT/SEC) =   0.49
  LONGEST FLOWPATH FROM NODE    232.00 TO NODE    225.00 =     150.00 FEET.

****************************************************************************
  FLOW PROCESS FROM NODE    225.00 TO NODE    225.00 IS CODE =   1
----------------------------------------------------------------------------
  >>>>>DESIGNATE INDEPENDENT STREAM FOR CONFLUENCE<<<<<
============================================================================
  TOTAL NUMBER OF STREAMS =  3
  CONFLUENCE VALUES USED FOR INDEPENDENT STREAM  2 ARE:
```

```
  TIME OF CONCENTRATION(MIN.) =    6.54
  RAINFALL INTENSITY(INCH/HR) =   7.09
  TOTAL STREAM AREA(ACRES) =     0.39
  PEAK FLOW RATE(CFS) AT CONFLUENCE =      1.91

****************************************************************************
  FLOW PROCESS FROM NODE    228.00 TO NODE    226.00 IS CODE =  21
----------------------------------------------------------------------------
  >>>>>RATIONAL METHOD INITIAL SUBAREA ANALYSIS<<<<<
============================================================================
  *USER SPECIFIED(SUBAREA):
  USER-SPECIFIED RUNOFF COEFFICIENT = .6900
  S.C.S. CURVE NUMBER (AMC II) =   0
  INITIAL SUBAREA FLOW-LENGTH(FEET) =    60.00
  UPSTREAM ELEVATION(FEET) =    542.40
  DOWNSTREAM ELEVATION(FEET) =    541.90
  ELEVATION DIFFERENCE(FEET) =      0.50
  SUBAREA OVERLAND TIME OF FLOW(MIN.) =    6.075
   100 YEAR RAINFALL INTENSITY(INCH/HOUR) =  7.436
  SUBAREA RUNOFF(CFS) =      0.72
  TOTAL AREA(ACRES) =      0.14   TOTAL RUNOFF(CFS) =      0.72

****************************************************************************
  FLOW PROCESS FROM NODE    226.00 TO NODE    225.00 IS CODE =  91
----------------------------------------------------------------------------
  >>>>>COMPUTE "V" GUTTER FLOW TRAVEL TIME THRU SUBAREA<<<<<
============================================================================
  UPSTREAM NODE ELEVATION(FEET) =    541.90
  DOWNSTREAM NODE ELEVATION(FEET) =    541.50
  CHANNEL LENGTH THRU SUBAREA(FEET) =    80.00
  "V" GUTTER WIDTH(FEET) =   3.00   GUTTER HIKE(FEET) =  0.125
  PAVEMENT LIP(FEET) =  0.030   MANNING'S N = .0150
  PAVEMENT CROSSFALL(DECIMAL NOTATION) = 0.02000
  MAXIMUM DEPTH(FEET) =   2.00
   100 YEAR RAINFALL INTENSITY(INCH/HOUR) =  6.851
  *USER SPECIFIED(SUBAREA):
  USER-SPECIFIED RUNOFF COEFFICIENT = .6900
  S.C.S. CURVE NUMBER (AMC II) =   0
  TRAVEL TIME COMPUTED USING ESTIMATED FLOW(CFS) =      1.12
  TRAVEL TIME THRU SUBAREA BASED ON VELOCITY(FEET/SEC.) =   1.62
  AVERAGE FLOW DEPTH(FEET) =   0.22   FLOOD WIDTH(FEET) =    9.58
  "V" GUTTER FLOW TRAVEL TIME(MIN.) =   0.82   Tc(MIN.) =    6.90
  SUBAREA AREA(ACRES) =    0.17       SUBAREA RUNOFF(CFS) =    0.80
  AREA-AVERAGE RUNOFF COEFFICIENT =  0.690
  TOTAL AREA(ACRES) =        0.3         PEAK FLOW RATE(CFS) =       1.47

  END OF SUBAREA "V" GUTTER HYDRAULICS:
  DEPTH(FEET) =  0.24   FLOOD WIDTH(FEET) =   11.56
  FLOW VELOCITY(FEET/SEC.) =   1.63   DEPTH*VELOCITY(FT*FT/SEC) =   0.39
  LONGEST FLOWPATH FROM NODE    228.00 TO NODE    225.00 =     140.00 FEET.
```

```
****************************************************************************
  FLOW PROCESS FROM NODE    225.00 TO NODE    225.00 IS CODE =   1
----------------------------------------------------------------------------
  >>>>>DESIGNATE INDEPENDENT STREAM FOR CONFLUENCE<<<<<
  >>>>>AND COMPUTE VARIOUS CONFLUENCED STREAM VALUES<<<<<
============================================================================
  TOTAL NUMBER OF STREAMS =  3
  CONFLUENCE VALUES USED FOR INDEPENDENT STREAM  3 ARE:
  TIME OF CONCENTRATION(MIN.) =    6.90
  RAINFALL INTENSITY(INCH/HR) =   6.85
  TOTAL STREAM AREA(ACRES) =     0.31
  PEAK FLOW RATE(CFS) AT CONFLUENCE =      1.47

  ** CONFLUENCE DATA **
  STREAM     RUNOFF       Tc      INTENSITY      AREA
  NUMBER      (CFS)     (MIN.)   (INCH/HOUR)    (ACRE)
      1        3.46     7.61        6.431          0.78
      2        1.91     6.54        7.088          0.39
      3        1.47     6.90        6.851          0.31

  RAINFALL INTENSITY AND TIME OF CONCENTRATION RATIO
  CONFLUENCE FORMULA USED FOR  3 STREAMS.

  ** PEAK FLOW RATE TABLE **
  STREAM     RUNOFF       Tc      INTENSITY
  NUMBER      (CFS)     (MIN.)   (INCH/HOUR)
      1        6.27     6.54        7.088
      2        6.45     6.90        6.851
      3        6.57     7.61        6.431

  COMPUTED CONFLUENCE ESTIMATES ARE AS FOLLOWS:
  PEAK FLOW RATE(CFS) =       6.57   Tc(MIN.) =    7.61
  TOTAL AREA(ACRES) =        1.5
  LONGEST FLOWPATH FROM NODE    238.00 TO NODE    225.00 =     280.00 FEET.

****************************************************************************
  FLOW PROCESS FROM NODE    225.00 TO NODE    210.00 IS CODE =  62
----------------------------------------------------------------------------
  >>>>>COMPUTE STREET FLOW TRAVEL TIME THRU SUBAREA<<<<<
  >>>>>(STREET TABLE SECTION #  2 USED)<<<<<
============================================================================
  UPSTREAM ELEVATION(FEET) =  541.50  DOWNSTREAM ELEVATION(FEET) =  540.20
  STREET LENGTH(FEET) =   190.00   CURB HEIGHT(INCHES) =  6.0
  STREET HALFWIDTH(FEET) = 13.00

  DISTANCE FROM CROWN TO CROSSFALL GRADEBREAK(FEET) =   8.00
  INSIDE STREET CROSSFALL(DECIMAL) =  0.020
  OUTSIDE STREET CROSSFALL(DECIMAL)  =  0.020
```

```
  SPECIFIED NUMBER OF HALFSTREETS CARRYING RUNOFF =  1
  STREET PARKWAY CROSSFALL(DECIMAL)  =  0.020
  Manning's FRICTION FACTOR for Streetflow Section(curb-to-curb) =   0.0150
  Manning's FRICTION FACTOR for Back-of-Walk Flow Section =   0.0150

    **TRAVEL TIME COMPUTED USING ESTIMATED FLOW(CFS) =       6.65
    ***STREET FLOW SPLITS OVER STREET-CROWN***
    FULL DEPTH(FEET) =    0.39   FLOOD WIDTH(FEET) =   13.00
    FULL HALF-STREET VELOCITY(FEET/SEC.) =    2.15
    SPLIT DEPTH(FEET) =    0.35   SPLIT FLOOD WIDTH(FEET) =   11.28
    SPLIT FLOW(CFS) =    2.75   SPLIT VELOCITY(FEET/SEC.) =    1.98
    STREETFLOW MODEL RESULTS USING ESTIMATED FLOW:
    STREET FLOW DEPTH(FEET) =  0.39
    HALFSTREET FLOOD WIDTH(FEET) =   13.00
    AVERAGE FLOW VELOCITY(FEET/SEC.) =    2.15
    PRODUCT OF DEPTH&VELOCITY(FT*FT/SEC.) =    0.83
  STREET FLOW TRAVEL TIME(MIN.) =   1.47   Tc(MIN.) =    9.08
   100 YEAR RAINFALL INTENSITY(INCH/HOUR) =  5.738
  *USER SPECIFIED(SUBAREA):
  USER-SPECIFIED RUNOFF COEFFICIENT = .6900
  S.C.S. CURVE NUMBER (AMC II) =   0
  AREA-AVERAGE RUNOFF COEFFICIENT =  0.690
  SUBAREA AREA(ACRES) =    0.04      SUBAREA RUNOFF(CFS) =    0.16
  TOTAL AREA(ACRES) =        1.5        PEAK FLOW RATE(CFS) =       6.57

  END OF SUBAREA STREET FLOW HYDRAULICS:
  DEPTH(FEET) = 0.39   HALFSTREET FLOOD WIDTH(FEET) =  13.00
  FLOW VELOCITY(FEET/SEC.) =  2.15   DEPTH*VELOCITY(FT*FT/SEC.) =   0.83
  LONGEST FLOWPATH FROM NODE    238.00 TO NODE    210.00 =     470.00 FEET.

****************************************************************************
  FLOW PROCESS FROM NODE    210.00 TO NODE    210.00 IS CODE =   1
----------------------------------------------------------------------------
  >>>>>DESIGNATE INDEPENDENT STREAM FOR CONFLUENCE<<<<<
============================================================================
  TOTAL NUMBER OF STREAMS =  3
  CONFLUENCE VALUES USED FOR INDEPENDENT STREAM  1 ARE:
  TIME OF CONCENTRATION(MIN.) =    9.08
  RAINFALL INTENSITY(INCH/HR) =   5.74
  TOTAL STREAM AREA(ACRES) =     1.52
  PEAK FLOW RATE(CFS) AT CONFLUENCE =      6.57

****************************************************************************
  FLOW PROCESS FROM NODE    222.00 TO NODE    220.00 IS CODE =  21
----------------------------------------------------------------------------
  >>>>>RATIONAL METHOD INITIAL SUBAREA ANALYSIS<<<<<
============================================================================
  *USER SPECIFIED(SUBAREA):
  USER-SPECIFIED RUNOFF COEFFICIENT = .7100
  S.C.S. CURVE NUMBER (AMC II) =   0
  INITIAL SUBAREA FLOW-LENGTH(FEET) =    65.00
  UPSTREAM ELEVATION(FEET) =    541.50
  DOWNSTREAM ELEVATION(FEET) =    541.00
  ELEVATION DIFFERENCE(FEET) =      0.50
  SUBAREA OVERLAND TIME OF FLOW(MIN.) =    5.839
  WARNING: INITIAL SUBAREA FLOW PATH LENGTH IS GREATER THAN
           THE MAXIMUM OVERLAND FLOW LENGTH =    58.08
           (Reference: Table 3-1B of Hydrology Manual)
           THE MAXIMUM OVERLAND FLOW LENGTH IS USED IN Tc CALCULATION!
   100 YEAR RAINFALL INTENSITY(INCH/HOUR) =  7.629
  SUBAREA RUNOFF(CFS) =      1.14
  TOTAL AREA(ACRES) =      0.21   TOTAL RUNOFF(CFS) =      1.14

****************************************************************************
  FLOW PROCESS FROM NODE    220.00 TO NODE    210.00 IS CODE =  91
----------------------------------------------------------------------------
  >>>>>COMPUTE "V" GUTTER FLOW TRAVEL TIME THRU SUBAREA<<<<<
============================================================================
  UPSTREAM NODE ELEVATION(FEET) =    541.00
  DOWNSTREAM NODE ELEVATION(FEET) =    540.20
  CHANNEL LENGTH THRU SUBAREA(FEET) =   150.00
  "V" GUTTER WIDTH(FEET) =   3.00   GUTTER HIKE(FEET) =  0.125
  PAVEMENT LIP(FEET) =  0.030   MANNING'S N = .0150
  PAVEMENT CROSSFALL(DECIMAL NOTATION) = 0.02000
  MAXIMUM DEPTH(FEET) =   2.00
   100 YEAR RAINFALL INTENSITY(INCH/HOUR) =  6.611
  *USER SPECIFIED(SUBAREA):
  USER-SPECIFIED RUNOFF COEFFICIENT = .7000
  S.C.S. CURVE NUMBER (AMC II) =   0
  TRAVEL TIME COMPUTED USING ESTIMATED FLOW(CFS) =      1.74
  TRAVEL TIME THRU SUBAREA BASED ON VELOCITY(FEET/SEC.) =   1.72
  AVERAGE FLOW DEPTH(FEET) =   0.25   FLOOD WIDTH(FEET) =   12.46
  "V" GUTTER FLOW TRAVEL TIME(MIN.) =   1.45   Tc(MIN.) =    7.29
  SUBAREA AREA(ACRES) =    0.26       SUBAREA RUNOFF(CFS) =    1.20
  AREA-AVERAGE RUNOFF COEFFICIENT =  0.704
  TOTAL AREA(ACRES) =        0.5         PEAK FLOW RATE(CFS) =       2.19

  END OF SUBAREA "V" GUTTER HYDRAULICS:
  DEPTH(FEET) =  0.27   FLOOD WIDTH(FEET) =   14.26
  FLOW VELOCITY(FEET/SEC.) =   1.75   DEPTH*VELOCITY(FT*FT/SEC) =   0.47
  LONGEST FLOWPATH FROM NODE    222.00 TO NODE    210.00 =     215.00 FEET.

****************************************************************************
  FLOW PROCESS FROM NODE    210.00 TO NODE    210.00 IS CODE =   1
----------------------------------------------------------------------------
  >>>>>DESIGNATE INDEPENDENT STREAM FOR CONFLUENCE<<<<<
============================================================================
  TOTAL NUMBER OF STREAMS =  3
  CONFLUENCE VALUES USED FOR INDEPENDENT STREAM  2 ARE:
  TIME OF CONCENTRATION(MIN.) =    7.29
```

```
  RAINFALL INTENSITY(INCH/HR) =   6.61
  TOTAL STREAM AREA(ACRES) =     0.47
  PEAK FLOW RATE(CFS) AT CONFLUENCE =      2.19

****************************************************************************
  FLOW PROCESS FROM NODE    214.00 TO NODE    212.00 IS CODE =  21
----------------------------------------------------------------------------
  >>>>>RATIONAL METHOD INITIAL SUBAREA ANALYSIS<<<<<
============================================================================
  *USER SPECIFIED(SUBAREA):
  USER-SPECIFIED RUNOFF COEFFICIENT = .7100
  S.C.S. CURVE NUMBER (AMC II) =   0
  INITIAL SUBAREA FLOW-LENGTH(FEET) =    70.00
  UPSTREAM ELEVATION(FEET) =    542.80
  DOWNSTREAM ELEVATION(FEET) =    542.00
  ELEVATION DIFFERENCE(FEET) =      0.80
  SUBAREA OVERLAND TIME OF FLOW(MIN.) =    5.502
  WARNING: INITIAL SUBAREA FLOW PATH LENGTH IS GREATER THAN
           THE MAXIMUM OVERLAND FLOW LENGTH =    67.14
           (Reference: Table 3-1B of Hydrology Manual)
           THE MAXIMUM OVERLAND FLOW LENGTH IS USED IN Tc CALCULATION!
   100 YEAR RAINFALL INTENSITY(INCH/HOUR) =  7.927
  SUBAREA RUNOFF(CFS) =      0.34
  TOTAL AREA(ACRES) =      0.06   TOTAL RUNOFF(CFS) =      0.34

****************************************************************************
  FLOW PROCESS FROM NODE    212.00 TO NODE    210.00 IS CODE =  52
----------------------------------------------------------------------------
  >>>>>COMPUTE NATURAL VALLEY CHANNEL FLOW<<<<<
  >>>>>TRAVELTIME THRU SUBAREA<<<<<
============================================================================
  ELEVATION DATA: UPSTREAM(FEET) =    542.04  DOWNSTREAM(FEET) =    540.20
  CHANNEL LENGTH THRU SUBAREA(FEET) =   130.00   CHANNEL SLOPE =  0.0142
  NOTE: CHANNEL FLOW OF 1. CFS WAS ASSUMED IN VELOCITY ESTIMATION
  CHANNEL FLOW THRU SUBAREA(CFS) =       0.34
  FLOW VELOCITY(FEET/SEC) =   1.78 (PER LACFCD/RCFC&WCD HYDROLOGY MANUAL)
  TRAVEL TIME(MIN.) =   1.21   Tc(MIN.) =    6.72
  LONGEST FLOWPATH FROM NODE    214.00 TO NODE    210.00 =     200.00 FEET.

****************************************************************************
  FLOW PROCESS FROM NODE    212.00 TO NODE    210.00 IS CODE =  81
----------------------------------------------------------------------------
  >>>>>ADDITION OF SUBAREA TO MAINLINE PEAK FLOW<<<<<
============================================================================
   100 YEAR RAINFALL INTENSITY(INCH/HOUR) =  6.970
  *USER SPECIFIED(SUBAREA):
  USER-SPECIFIED RUNOFF COEFFICIENT = .7100
  S.C.S. CURVE NUMBER (AMC II) =   0
  AREA-AVERAGE RUNOFF COEFFICIENT = 0.7100
  SUBAREA AREA(ACRES) =    0.11   SUBAREA RUNOFF(CFS) =    0.54
  TOTAL AREA(ACRES) =        0.2   TOTAL RUNOFF(CFS) =       0.84
  TC(MIN.) =    6.72

****************************************************************************
  FLOW PROCESS FROM NODE    210.00 TO NODE    210.00 IS CODE =   1
----------------------------------------------------------------------------
  >>>>>DESIGNATE INDEPENDENT STREAM FOR CONFLUENCE<<<<<
  >>>>>AND COMPUTE VARIOUS CONFLUENCED STREAM VALUES<<<<<
============================================================================
  TOTAL NUMBER OF STREAMS =  3
  CONFLUENCE VALUES USED FOR INDEPENDENT STREAM  3 ARE:
  TIME OF CONCENTRATION(MIN.) =    6.72
  RAINFALL INTENSITY(INCH/HR) =   6.97
  TOTAL STREAM AREA(ACRES) =     0.17
  PEAK FLOW RATE(CFS) AT CONFLUENCE =      0.84

  ** CONFLUENCE DATA **
  STREAM     RUNOFF       Tc      INTENSITY      AREA
  NUMBER      (CFS)     (MIN.)   (INCH/HOUR)    (ACRE)
      1        6.57     9.08        5.738          1.52
      2        2.19     7.29        6.611          0.47
      3        0.84     6.72        6.970          0.17

  RAINFALL INTENSITY AND TIME OF CONCENTRATION RATIO
  CONFLUENCE FORMULA USED FOR  3 STREAMS.

  ** PEAK FLOW RATE TABLE **
  STREAM     RUNOFF       Tc      INTENSITY
  NUMBER      (CFS)    (MIN.)   (INCH/HOUR)
      1        8.26     6.72       6.970
      2        8.69     7.29       6.611
      3        9.16     9.08       5.738

  COMPUTED CONFLUENCE ESTIMATES ARE AS FOLLOWS:
  PEAK FLOW RATE(CFS) =       9.16   Tc(MIN.) =    9.08
  TOTAL AREA(ACRES) =        2.2
  LONGEST FLOWPATH FROM NODE    238.00 TO NODE    210.00 =     470.00 FEET.

****************************************************************************
  FLOW PROCESS FROM NODE    211.00 TO NODE    210.00 IS CODE =  81
----------------------------------------------------------------------------
  >>>>>ADDITION OF SUBAREA TO MAINLINE PEAK FLOW<<<<<
============================================================================
   100 YEAR RAINFALL INTENSITY(INCH/HOUR) =  5.738
  *USER SPECIFIED(SUBAREA):
  USER-SPECIFIED RUNOFF COEFFICIENT = .6900
  S.C.S. CURVE NUMBER (AMC II) =   0
  AREA-AVERAGE RUNOFF COEFFICIENT = 0.6940
  SUBAREA AREA(ACRES) =    0.41   SUBAREA RUNOFF(CFS) =    1.62
  TOTAL AREA(ACRES) =        2.6   TOTAL RUNOFF(CFS) =      10.23
```

```
  TC(MIN.) =    9.08

****************************************************************************
  FLOW PROCESS FROM NODE    210.00 TO NODE    206.00 IS CODE =  31
----------------------------------------------------------------------------
  >>>>>COMPUTE PIPE-FLOW TRAVEL TIME THRU SUBAREA<<<<<
  >>>>>USING COMPUTER-ESTIMATED PIPESIZE (NON-PRESSURE FLOW)<<<<<
============================================================================
  ELEVATION DATA: UPSTREAM(FEET) =   540.20  DOWNSTREAM(FEET) =   536.20
  FLOW LENGTH(FEET) =    54.00   MANNING'S N =  0.013
  DEPTH OF FLOW IN  15.0 INCH PIPE IS   8.5 INCHES
  PIPE-FLOW VELOCITY(FEET/SEC.) =  14.28
  ESTIMATED PIPE DIAMETER(INCH) =  15.00    NUMBER OF PIPES =   1
  PIPE-FLOW(CFS) =      10.23
  PIPE TRAVEL TIME(MIN.) =   0.06    Tc(MIN.) =    9.14
  LONGEST FLOWPATH FROM NODE    238.00 TO NODE    206.00 =     524.00 FEET.

****************************************************************************
  FLOW PROCESS FROM NODE    204.00 TO NODE    204.00 IS CODE =   7
----------------------------------------------------------------------------
  >>>>>USER SPECIFIED HYDROLOGY INFORMATION AT NODE<<<<<
============================================================================
  USER-SPECIFIED VALUES ARE AS FOLLOWS:
  TC(MIN) =   9.14   RAIN INTENSITY(INCH/HOUR) =  5.71
  TOTAL AREA(ACRES) =     2.57   TOTAL RUNOFF(CFS) =      6.80

****************************************************************************
  FLOW PROCESS FROM NODE    204.00 TO NODE    202.00 IS CODE =  31
----------------------------------------------------------------------------
  >>>>>COMPUTE PIPE-FLOW TRAVEL TIME THRU SUBAREA<<<<<
  >>>>>USING COMPUTER-ESTIMATED PIPESIZE (NON-PRESSURE FLOW)<<<<<
============================================================================
  ELEVATION DATA: UPSTREAM(FEET) =   534.80  DOWNSTREAM(FEET) =   534.40
  FLOW LENGTH(FEET) =    78.00   MANNING'S N =  0.013
  DEPTH OF FLOW IN  18.0 INCH PIPE IS  14.1 INCHES
  PIPE-FLOW VELOCITY(FEET/SEC.) =   4.59
  ESTIMATED PIPE DIAMETER(INCH) =  18.00    NUMBER OF PIPES =   1
  PIPE-FLOW(CFS) =       6.80
  PIPE TRAVEL TIME(MIN.) =   0.28    Tc(MIN.) =    9.42
  LONGEST FLOWPATH FROM NODE    238.00 TO NODE    202.00 =     602.00 FEET.

****************************************************************************
  FLOW PROCESS FROM NODE    202.00 TO NODE    200.00 IS CODE =  31
----------------------------------------------------------------------------
  >>>>>COMPUTE PIPE-FLOW TRAVEL TIME THRU SUBAREA<<<<<
  >>>>>USING COMPUTER-ESTIMATED PIPESIZE (NON-PRESSURE FLOW)<<<<<
============================================================================
  ELEVATION DATA: UPSTREAM(FEET) =   534.40  DOWNSTREAM(FEET) =   533.90
  FLOW LENGTH(FEET) =   100.00   MANNING'S N =  0.013
  DEPTH OF FLOW IN  18.0 INCH PIPE IS  14.2 INCHES
  PIPE-FLOW VELOCITY(FEET/SEC.) =   4.54
  ESTIMATED PIPE DIAMETER(INCH) =  18.00    NUMBER OF PIPES =   1
  PIPE-FLOW(CFS) =       6.80
  PIPE TRAVEL TIME(MIN.) =   0.37    Tc(MIN.) =    9.79
  LONGEST FLOWPATH FROM NODE    238.00 TO NODE    200.00 =     702.00 FEET.
============================================================================
  END OF STUDY SUMMARY:
  TOTAL AREA(ACRES)     =        2.6  TC(MIN.) =      9.79
  PEAK FLOW RATE(CFS)   =       6.80
============================================================================
============================================================================
  END OF RATIONAL METHOD ANALYSIS
```

FUSCOE ENGINEERING
6390 Greenwich Drive, Suite 170
San Diego, California 92122
tel 858.554.1500 ◦ fax 858.597.0335
www.fuscoe.com

Job Name: MARCOS
Job #: 1960-01
Run Name: AV-P1000d.DAT
Date: 3/3/2023 POST DETENTION
Notes: 102 units / 5.02 ac = 20.32 DU/AC
Soil Type C: C=0.69 Soil Type D: C=0.71
25%-75% Soil Type D: C=0.70 P6=3.2

Node 1	Node 2	Code	Elev 1 (feet)	Elev 2 (feet)	Length (feet)	C Factor	Area (acres)	Comments	BANK 1	BANK 2	BANK 3
1016	1014	2	542.3	541.64	65	0.69	0.12	J3			
1014	1012	9	541.64	541.2	65	0.69	0.22	J4			
1004	1004	1						1 of 2			
1010	1008	2	541.9	541.4	62	0.69	0.1	J1			
1008	1006	5	541.4	540.7	88	0.69	0.48	J2			
1004	1004	1						2 OF 2			
1004	1004	7	Tc=6.66 Q=3.64			A=	0.9	BMP 1-WEST POST DET.			
1004	1000	3	536.71	536.5	40						

```
_____
*****************************************************************************

           RATIONAL METHOD HYDROLOGY COMPUTER PROGRAM PACKAGE
           Reference: SAN DIEGO COUNTY FLOOD CONTROL DISTRICT
                      2003,1985,1981 HYDROLOGY MANUAL
        (c) Copyright 1982-2016 Advanced Engineering Software (aes)
            Ver. 23.0 Release Date: 07/01/2016  License ID 1355

                         Analysis prepared by:

                           Fuscoe Engineering
                           6390 Greenwich Dr
                               Suite 170
                          San Diego, CA 92064

 ************************ DESCRIPTION OF STUDY *************************
* ARTISTS VILLAGE                                                      *
* PROPOSED HYDROLOGY - POST DETENTION                                  *
* BASIN 1000                                                           *
 ***********************************************************************

  FILE NAME: AVP1000D.DAT
  TIME/DATE OF STUDY: 14:36 03/02/2023
-----------------------------------------------------------------------------
  USER SPECIFIED HYDROLOGY AND HYDRAULIC MODEL INFORMATION:
-----------------------------------------------------------------------------
  2003 SAN DIEGO MANUAL CRITERIA

  USER SPECIFIED STORM EVENT(YEAR) = 100.00
  6-HOUR DURATION PRECIPITATION (INCHES) =   3.200
  SPECIFIED MINIMUM PIPE SIZE(INCH) =   3.00
  SPECIFIED PERCENT OF GRADIENTS(DECIMAL) TO USE FOR FRICTION SLOPE = 0.90
  SAN DIEGO HYDROLOGY MANUAL "C"-VALUES USED FOR RATIONAL METHOD
  NOTE: USE MODIFIED RATIONAL METHOD PROCEDURES FOR CONFLUENCE ANALYSIS
  *USER-DEFINED STREET-SECTIONS FOR COUPLED PIPEFLOW AND STREETFLOW MODEL*
     HALF-  CROWN TO   STREET-CROSSFALL:   CURB  GUTTER-GEOMETRIES:  MANNING
     WIDTH  CROSSFALL  IN-  / OUT-/PARK-  HEIGHT  WIDTH  LIP   HIKE  FACTOR
NO.   (FT)     (FT)    SIDE / SIDE/ WAY    (FT)    (FT)  (FT)  (FT)    (n)
===  =====  =========  =================  ======  ===== ====== ===== =======
  1   30.0     20.0    0.018/0.018/0.020   0.67    2.00 0.0312 0.167 0.0150

  GLOBAL STREET FLOW-DEPTH CONSTRAINTS:
    1. Relative Flow-Depth =  0.00 FEET
       as (Maximum Allowable Street Flow Depth) - (Top-of-Curb)
    2. (Depth)*(Velocity) Constraint =  6.0 (FT*FT/S)
  *SIZE PIPE WITH A FLOW CAPACITY GREATER THAN
   OR EQUAL TO THE UPSTREAM TRIBUTARY PIPE.*

*****************************************************************************

  FLOW PROCESS FROM NODE   1016.00 TO NODE   1014.00 IS CODE =  21
-----------------------------------------------------------------------------
  >>>>>RATIONAL METHOD INITIAL SUBAREA ANALYSIS<<<<<
=============================================================================
  *USER SPECIFIED(SUBAREA):
  USER-SPECIFIED RUNOFF COEFFICIENT = .6900
  S.C.S. CURVE NUMBER (AMC II) =   0
  INITIAL SUBAREA FLOW-LENGTH(FEET) =    65.00
  UPSTREAM ELEVATION(FEET) =    542.30
  DOWNSTREAM ELEVATION(FEET) =    541.60
  ELEVATION DIFFERENCE(FEET) =      0.70
  SUBAREA OVERLAND TIME OF FLOW(MIN.) =    5.805
   100 YEAR RAINFALL INTENSITY(INCH/HOUR) =  7.657
  SUBAREA RUNOFF(CFS) =      0.63
  TOTAL AREA(ACRES) =      0.12   TOTAL RUNOFF(CFS) =      0.63

*****************************************************************************
  FLOW PROCESS FROM NODE   1014.00 TO NODE   1012.00 IS CODE =  91
-----------------------------------------------------------------------------
  >>>>>COMPUTE "V" GUTTER FLOW TRAVEL TIME THRU SUBAREA<<<<<
=============================================================================
  UPSTREAM NODE ELEVATION(FEET) =    541.60
  DOWNSTREAM NODE ELEVATION(FEET) =    541.20
  CHANNEL LENGTH THRU SUBAREA(FEET) =    65.00
  "V" GUTTER WIDTH(FEET) =   3.00   GUTTER HIKE(FEET) =  0.125
  PAVEMENT LIP(FEET) =  0.030   MANNING'S N = .0150
  PAVEMENT CROSSFALL(DECIMAL NOTATION) = 0.02000
  MAXIMUM DEPTH(FEET) =   2.00
   100 YEAR RAINFALL INTENSITY(INCH/HOUR) =  7.184
  *USER SPECIFIED(SUBAREA):
  USER-SPECIFIED RUNOFF COEFFICIENT = .6900
  S.C.S. CURVE NUMBER (AMC II) =   0
  TRAVEL TIME COMPUTED USING ESTIMATED FLOW(CFS) =      1.18
  TRAVEL TIME THRU SUBAREA BASED ON VELOCITY(FEET/SEC.) =   1.79
  AVERAGE FLOW DEPTH(FEET) =   0.22   FLOOD WIDTH(FEET) =    9.22
  "V" GUTTER FLOW TRAVEL TIME(MIN.) =   0.60   Tc(MIN.) =    6.41
  SUBAREA AREA(ACRES) =    0.22       SUBAREA RUNOFF(CFS) =    1.09
  AREA-AVERAGE RUNOFF COEFFICIENT =  0.690
  TOTAL AREA(ACRES) =        0.3         PEAK FLOW RATE(CFS) =       1.69

  END OF SUBAREA "V" GUTTER HYDRAULICS:
  DEPTH(FEET) =  0.24   FLOOD WIDTH(FEET) =   11.74
  FLOW VELOCITY(FEET/SEC.) =   1.83   DEPTH*VELOCITY(FT*FT/SEC) =   0.44
  LONGEST FLOWPATH FROM NODE   1016.00 TO NODE   1012.00 =     130.00 FEET.

*****************************************************************************
  FLOW PROCESS FROM NODE   1004.00 TO NODE   1004.00 IS CODE =   1
-----------------------------------------------------------------------------
  >>>>>DESIGNATE INDEPENDENT STREAM FOR CONFLUENCE<<<<<
=============================================================================
```

```
  TOTAL NUMBER OF STREAMS =  2
  CONFLUENCE VALUES USED FOR INDEPENDENT STREAM  1 ARE:
  TIME OF CONCENTRATION(MIN.) =    6.41
  RAINFALL INTENSITY(INCH/HR) =   7.18
  TOTAL STREAM AREA(ACRES) =     0.34
  PEAK FLOW RATE(CFS) AT CONFLUENCE =      1.69

****************************************************************************
  FLOW PROCESS FROM NODE   1010.00 TO NODE   1008.00 IS CODE =  21
----------------------------------------------------------------------------
  >>>>>RATIONAL METHOD INITIAL SUBAREA ANALYSIS<<<<<
============================================================================
  *USER SPECIFIED(SUBAREA):
  USER-SPECIFIED RUNOFF COEFFICIENT = .6900
  S.C.S. CURVE NUMBER (AMC II) =   0
  INITIAL SUBAREA FLOW-LENGTH(FEET) =    62.00
  UPSTREAM ELEVATION(FEET) =    541.90
  DOWNSTREAM ELEVATION(FEET) =    541.40
  ELEVATION DIFFERENCE(FEET) =      0.50
  SUBAREA OVERLAND TIME OF FLOW(MIN.) =    6.100
  WARNING: INITIAL SUBAREA FLOW PATH LENGTH IS GREATER THAN
           THE MAXIMUM OVERLAND FLOW LENGTH =    59.19
           (Reference: Table 3-1B of Hydrology Manual)
           THE MAXIMUM OVERLAND FLOW LENGTH IS USED IN Tc CALCULATION!
   100 YEAR RAINFALL INTENSITY(INCH/HOUR) =  7.416
  SUBAREA RUNOFF(CFS) =      0.51
  TOTAL AREA(ACRES) =      0.10   TOTAL RUNOFF(CFS) =      0.51

****************************************************************************
  FLOW PROCESS FROM NODE   1008.00 TO NODE   1006.00 IS CODE =  51
----------------------------------------------------------------------------
  >>>>>COMPUTE TRAPEZOIDAL CHANNEL FLOW<<<<<
  >>>>>TRAVELTIME THRU SUBAREA (EXISTING ELEMENT)<<<<<
============================================================================
  ELEVATION DATA: UPSTREAM(FEET) =    541.40  DOWNSTREAM(FEET) =    540.70
  CHANNEL LENGTH THRU SUBAREA(FEET) =    88.00   CHANNEL SLOPE =  0.0080
  CHANNEL BASE(FEET) =    3.00   "Z" FACTOR =   2.000
  MANNING'S FACTOR = 0.015   MAXIMUM DEPTH(FEET) =  10.00
   100 YEAR RAINFALL INTENSITY(INCH/HOUR) =  7.011
  *USER SPECIFIED(SUBAREA):
  USER-SPECIFIED RUNOFF COEFFICIENT = .6900
  S.C.S. CURVE NUMBER (AMC II) =   0
  TRAVEL TIME COMPUTED USING ESTIMATED FLOW(CFS) =       1.67
  TRAVEL TIME THRU SUBAREA BASED ON VELOCITY(FEET/SEC.) =   2.64
  AVERAGE FLOW DEPTH(FEET) =   0.19   TRAVEL TIME(MIN.) =   0.56
  Tc(MIN.) =    6.66
  SUBAREA AREA(ACRES) =     0.48       SUBAREA RUNOFF(CFS) =    2.32
  AREA-AVERAGE RUNOFF COEFFICIENT =  0.690
  TOTAL AREA(ACRES) =        0.6         PEAK FLOW RATE(CFS) =       2.81
```

```
  END OF SUBAREA CHANNEL FLOW HYDRAULICS:
  DEPTH(FEET) =  0.25   FLOW VELOCITY(FEET/SEC.) =   3.14
  LONGEST FLOWPATH FROM NODE   1010.00 TO NODE   1006.00 =     150.00 FEET.

****************************************************************************
  FLOW PROCESS FROM NODE   1004.00 TO NODE   1004.00 IS CODE =   1
----------------------------------------------------------------------------
  >>>>>DESIGNATE INDEPENDENT STREAM FOR CONFLUENCE<<<<<
  >>>>>AND COMPUTE VARIOUS CONFLUENCED STREAM VALUES<<<<<
============================================================================
  TOTAL NUMBER OF STREAMS =  2
  CONFLUENCE VALUES USED FOR INDEPENDENT STREAM  2 ARE:
  TIME OF CONCENTRATION(MIN.) =    6.66
  RAINFALL INTENSITY(INCH/HR) =   7.01
  TOTAL STREAM AREA(ACRES) =     0.58
  PEAK FLOW RATE(CFS) AT CONFLUENCE =      2.81

  ** CONFLUENCE DATA **
  STREAM     RUNOFF       Tc      INTENSITY      AREA
  NUMBER      (CFS)     (MIN.)   (INCH/HOUR)    (ACRE)
      1        1.69     6.41        7.184          0.34
      2        2.81     6.66        7.011          0.58

  RAINFALL INTENSITY AND TIME OF CONCENTRATION RATIO
  CONFLUENCE FORMULA USED FOR  2 STREAMS.

  ** PEAK FLOW RATE TABLE **
  STREAM     RUNOFF       Tc      INTENSITY
  NUMBER      (CFS)    (MIN.)   (INCH/HOUR)
      1        4.39     6.41       7.184
      2        4.45     6.66       7.011

  COMPUTED CONFLUENCE ESTIMATES ARE AS FOLLOWS:
  PEAK FLOW RATE(CFS) =       4.45   Tc(MIN.) =    6.66
  TOTAL AREA(ACRES) =        0.9
  LONGEST FLOWPATH FROM NODE   1010.00 TO NODE   1004.00 =     150.00 FEET.

****************************************************************************
  FLOW PROCESS FROM NODE   1004.00 TO NODE   1004.00 IS CODE =   7
----------------------------------------------------------------------------
  >>>>>USER SPECIFIED HYDROLOGY INFORMATION AT NODE<<<<<
============================================================================
  USER-SPECIFIED VALUES ARE AS FOLLOWS:
  TC(MIN) =   6.66   RAIN INTENSITY(INCH/HOUR) =  7.01
  TOTAL AREA(ACRES) =     0.90   TOTAL RUNOFF(CFS) =      3.64

****************************************************************************
  FLOW PROCESS FROM NODE   1004.00 TO NODE   1000.00 IS CODE =  31
----------------------------------------------------------------------------
  >>>>>COMPUTE PIPE-FLOW TRAVEL TIME THRU SUBAREA<<<<<
```

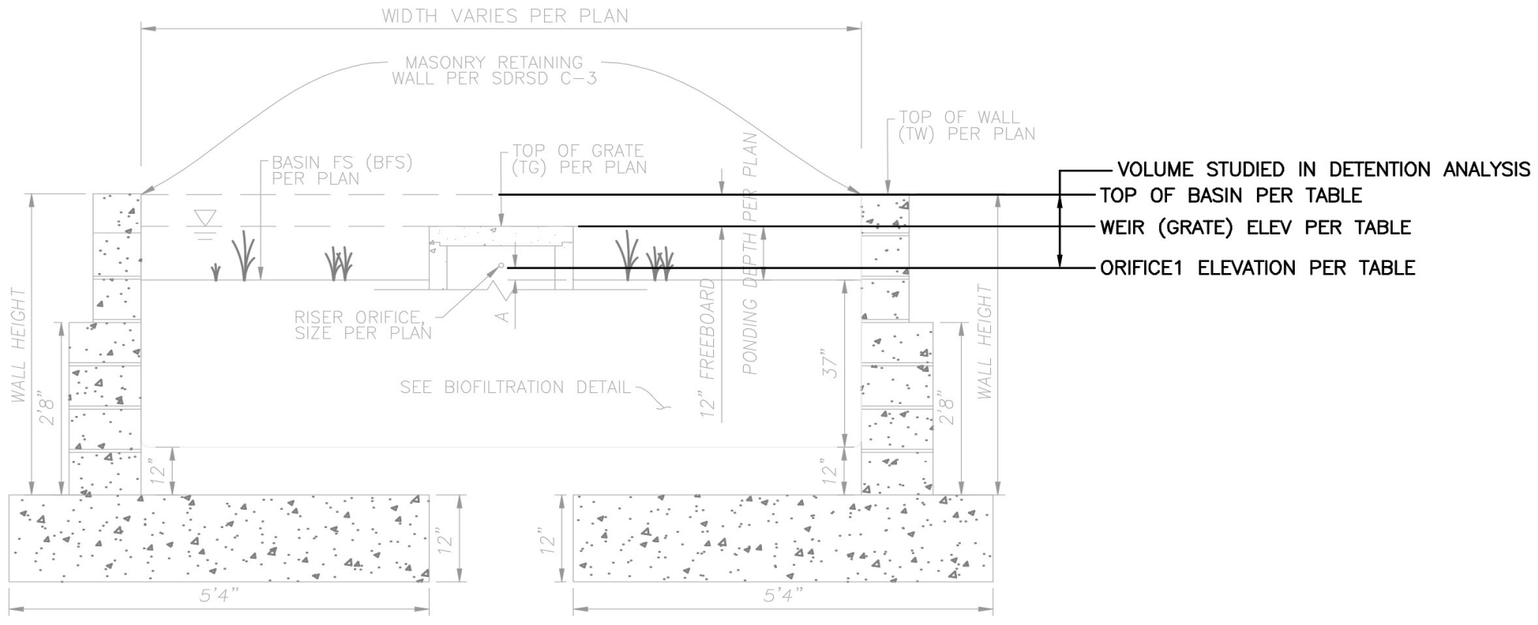
```
  >>>>>USING COMPUTER-ESTIMATED PIPESIZE (NON-PRESSURE FLOW)<<<<<
============================================================================
  ELEVATION DATA: UPSTREAM(FEET) =   536.70  DOWNSTREAM(FEET) =   536.50
  FLOW LENGTH(FEET) =    40.00   MANNING'S N =  0.013
  DEPTH OF FLOW IN  15.0 INCH PIPE IS  10.5 INCHES
  PIPE-FLOW VELOCITY(FEET/SEC.) =   3.96
  ESTIMATED PIPE DIAMETER(INCH) =  15.00    NUMBER OF PIPES =   1
  PIPE-FLOW(CFS) =       3.64
  PIPE TRAVEL TIME(MIN.) =   0.17    Tc(MIN.) =    6.83
  LONGEST FLOWPATH FROM NODE   1010.00 TO NODE   1000.00 =     190.00 FEET.
============================================================================
  END OF STUDY SUMMARY:
  TOTAL AREA(ACRES)     =        0.9  TC(MIN.) =      6.83
  PEAK FLOW RATE(CFS)   =       3.64
============================================================================
============================================================================
  END OF RATIONAL METHOD ANALYSIS

♠
```

APPENDIX 5: DETENTION ANALYSIS

WEST		Incoming Q						Outlet Pipe				Basin Data										Results		Ouput to use as Code 7				**WEST**
BMP ID	POC	Node #	Qin	TC in (min)	A (ac)	P6	C	Outlet pipe	Outlet IE (ft)	Slope	Outlet Length (ft)	Top of Basin	Weir Type	Weir Elev (ft)	Orifice1 Elev (ft)	Storage above weir (ft)	Storage below weir (ft)	Orifice 2 Elev (ft)	Orifice 1 Size	Orifice 2 Size (in)	Area of Basin (sf)	Qout (cfs)	Δ (cfs)	Node	Q	Tc	A	BMP ID
1 WEST	E	1004	4.45	6.66	0.9	3.2	0.69	18"	540.00	0.50%	40.0	541.30	2'x2' Grate	541.00	540.00	0.30	1.00	-	1"	-	930	3.64	-0.81	1004	3.64	6.66	0.90	1 WEST
2 WEST	E	400	4.78	10.19	1.3	3.2	0.69	2-18"	539.00	1.00%	24.6	541.00	2'x2' Grate	540.00	539.00	1.00	1.00	-	1"	-	1,300	4.14	-0.64	400	4.14	10.19	1.28	2 WEST
3-DET WEST*	F	206	10.23	9.14	2.6	3.2	0.69	24"	534.78	0.50%	80.0	538.28	Rect 0.5'x3'	537.78	534.78	0.50	3.00	536.78	2.5"	12"	1,740	6.80	-3.43	204	6.80	9.14	2.57	3-DET WEST

EAST		Incoming Q						Outlet Pipe				Basin Data										Results		Output to use as Code 7				**EAST**
BMP ID	POC	Node #	Qin	TC in (min)	A (ac)	P6	C	Outlet pipe	Outlet IE (ft)	Slope	Outlet Length (ft)	Top of Basin	Weir Type	Weir Elev (ft)	Orifice1 Elev (ft)	Storage above weir (ft)	Storage below weir (ft)	Orifice 2 Elev (ft)	Orifice 1 Size	Orifice 2 Size (in)	Area of Basin (sf)	Qout (cfs)	Δ (cfs)	Node	Q	Tc	A	BMP ID
A1	A	904	3.94	4.96	0.6	3.2	0.82	18"	542.45	0.50%	35.0	543.95	2'x2' Grate	542.95	542.45	1.00	0.50	-	3"	-	575	2.79	-1.15	904	2.79	5.00	0.60	A1
B1	B	704	6.91	5.00	0.8	3.2	0.82	30"	540.00	2.00%	14.7	542.00	2'x2' Grate	541.00	540.00	1.00	1.00	-	2"	-	794	5.69	-1.22	704	5.69	5.00	0.81	B1
B2	B	730	12.62	4.64	1.8	3.2	0.82	18"	541.90	0.50%	64.6	543.90	2'x2' Grate	542.90	541.90	1.00	1.00	-	2"	-	2,050	6.87	-5.75	730	6.87	5.00	1.80	B2
B3	B	720	3.11	5.15	0.5	3.2	0.82	18"	542.00	0.50%	64.6	543.50	2'x2' Grate	542.50	542.00	1.00	0.50	-	2"	-	510	2.61	-0.50	720	2.61	5.15	0.50	B3
B4	B	710	5.28	5.68	0.8	3.2	0.81	18"	542.50	0.50%	222.6	544.50	2'x2' Grate	543.50	542.50	1.00	1.00	-	2"	-	930	4.29	-0.99	708	4.29	5.68	0.80	B4
D1	D	305	9.30	4.23	1.4	3.2	0.81	18"	539.40	0.50%	108.0	540.90	2'x2' Grate	539.90	539.40	1.00	0.50	-	n/a	-	1,450	5.34	-3.96	305	5.34	5.00	1.40	D1
D1-DET *	D	301	5.34	5.74	1.4	3.2	0.81	2-18"	535.14	0.75%	58.0	538.64	Rect 0.5'x5'	538.14	535.14	0.50	3.00	537.64	1.5"	6"	1,500	4.25	-1.09	301	4.25	5.74	1.40	D1-DET

* Underground detention will consist of Urbanpond precast concrete modules. There will be an orifice at the bottom (Orifice1) as well as another higher up (Orifice2). Finally there will be a rectangular weir at the top.



BIOFILTRATION DETAIL

BMP B1, B2, B3, B4, D1

BMP 1 - WEST

RATIONAL METHOD HYDROGRAPH PROGRAM
COPYRIGHT 1992, 2001 RICK ENGINEERING COMPANY

RUN DATE 2/28/2023
HYDROGRAPH FILE NAME Text1
TIME OF CONCENTRATION 7 MIN.
6 HOUR RAINFALL 3.2 INCHES
BASIN AREA 0.9 ACRES
RUNOFF COEFFICIENT 0.69
PEAK DISCHARGE 4.45 CFS

TIME (MIN) = 0	DISCHARGE (CFS) = 0
TIME (MIN) = 7	DISCHARGE (CFS) = 0.1
TIME (MIN) = 14	DISCHARGE (CFS) = 0.1
TIME (MIN) = 21	DISCHARGE (CFS) = 0.1
TIME (MIN) = 28	DISCHARGE (CFS) = 0.1
TIME (MIN) = 35	DISCHARGE (CFS) = 0.1
TIME (MIN) = 42	DISCHARGE (CFS) = 0.1
TIME (MIN) = 49	DISCHARGE (CFS) = 0.1
TIME (MIN) = 56	DISCHARGE (CFS) = 0.1
TIME (MIN) = 63	DISCHARGE (CFS) = 0.1
TIME (MIN) = 70	DISCHARGE (CFS) = 0.1
TIME (MIN) = 77	DISCHARGE (CFS) = 0.1
TIME (MIN) = 84	DISCHARGE (CFS) = 0.2
TIME (MIN) = 91	DISCHARGE (CFS) = 0.2
TIME (MIN) = 98	DISCHARGE (CFS) = 0.2
TIME (MIN) = 105	DISCHARGE (CFS) = 0.2
TIME (MIN) = 112	DISCHARGE (CFS) = 0.2
TIME (MIN) = 119	DISCHARGE (CFS) = 0.2
TIME (MIN) = 126	DISCHARGE (CFS) = 0.2
TIME (MIN) = 133	DISCHARGE (CFS) = 0.2
TIME (MIN) = 140	DISCHARGE (CFS) = 0.2
TIME (MIN) = 147	DISCHARGE (CFS) = 0.2
TIME (MIN) = 154	DISCHARGE (CFS) = 0.2
TIME (MIN) = 161	DISCHARGE (CFS) = 0.2
TIME (MIN) = 168	DISCHARGE (CFS) = 0.2
TIME (MIN) = 175	DISCHARGE (CFS) = 0.3
TIME (MIN) = 182	DISCHARGE (CFS) = 0.3
TIME (MIN) = 189	DISCHARGE (CFS) = 0.3
TIME (MIN) = 196	DISCHARGE (CFS) = 0.3
TIME (MIN) = 203	DISCHARGE (CFS) = 0.4
TIME (MIN) = 210	DISCHARGE (CFS) = 0.4
TIME (MIN) = 217	DISCHARGE (CFS) = 0.5
TIME (MIN) = 224	DISCHARGE (CFS) = 0.6
TIME (MIN) = 231	DISCHARGE (CFS) = 0.8
TIME (MIN) = 238	DISCHARGE (CFS) = 0.9
TIME (MIN) = 245	DISCHARGE (CFS) = 4.45
TIME (MIN) = 252	DISCHARGE (CFS) = 0.7
TIME (MIN) = 259	DISCHARGE (CFS) = 0.4
TIME (MIN) = 266	DISCHARGE (CFS) = 0.4
TIME (MIN) = 273	DISCHARGE (CFS) = 0.3
TIME (MIN) = 280	DISCHARGE (CFS) = 0.3
TIME (MIN) = 287	DISCHARGE (CFS) = 0.2
TIME (MIN) = 294	DISCHARGE (CFS) = 0.2
TIME (MIN) = 301	DISCHARGE (CFS) = 0.2
TIME (MIN) = 308	DISCHARGE (CFS) = 0.2
TIME (MIN) = 315	DISCHARGE (CFS) = 0.2
TIME (MIN) = 322	DISCHARGE (CFS) = 0.2
TIME (MIN) = 329	DISCHARGE (CFS) = 0.1
TIME (MIN) = 336	DISCHARGE (CFS) = 0.1
TIME (MIN) = 343	DISCHARGE (CFS) = 0.1
TIME (MIN) = 350	DISCHARGE (CFS) = 0.1
TIME (MIN) = 357	DISCHARGE (CFS) = 0.1
TIME (MIN) = 364	DISCHARGE (CFS) = 0

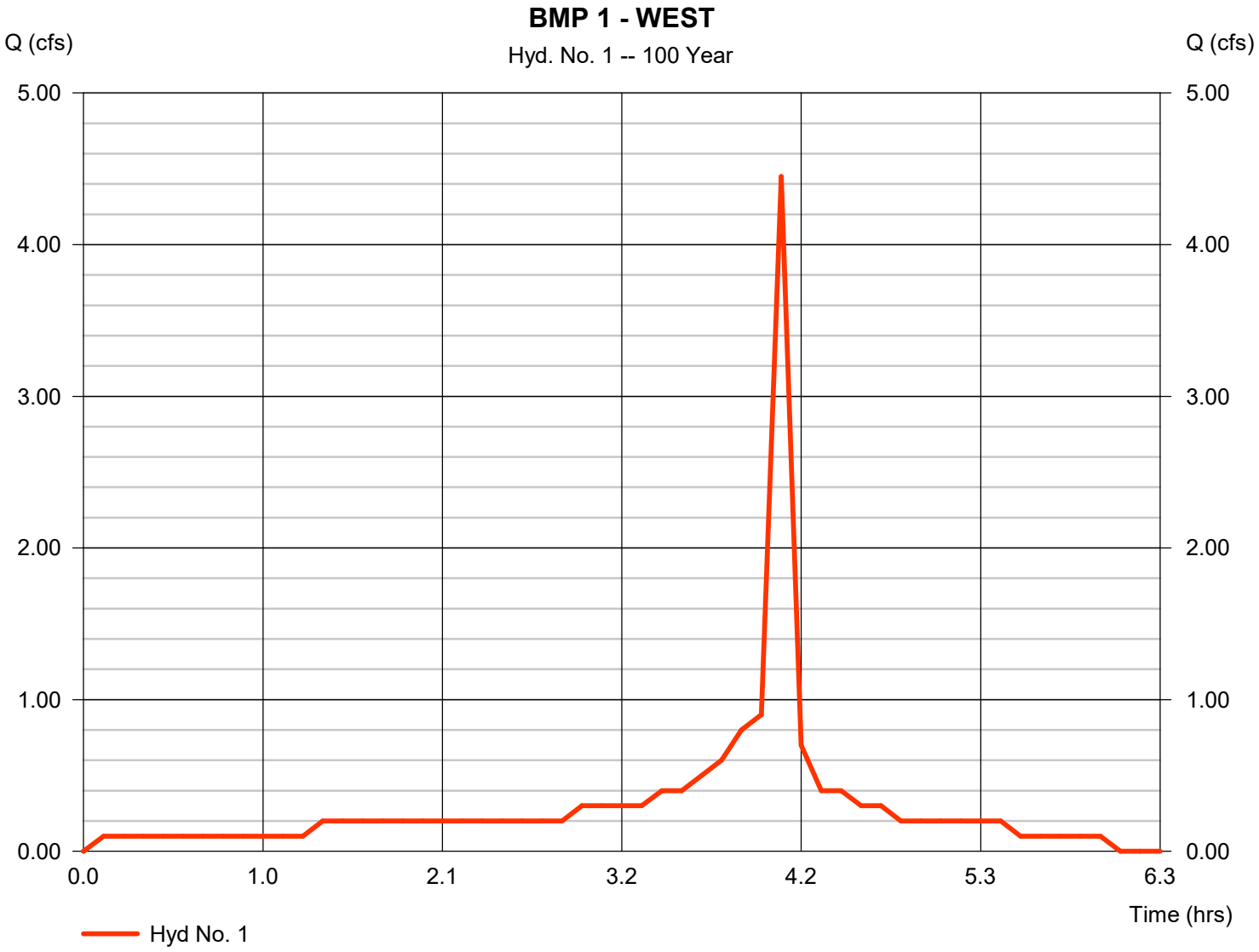
Hydrograph Report

Hydraflow Hydrographs Extension for Autodesk® Civil 3D® by Autodesk, Inc. v2023 Friday, 03 / 3 / 2023

Hyd. No. 1

BMP 1 - WEST

Hydrograph type	= Manual	Peak discharge	= 4.450 cfs
Storm frequency	= 100 yrs	Time to peak	= 4.08 hrs
Time interval	= 7 min	Hyd. volume	= 7,035 cuft



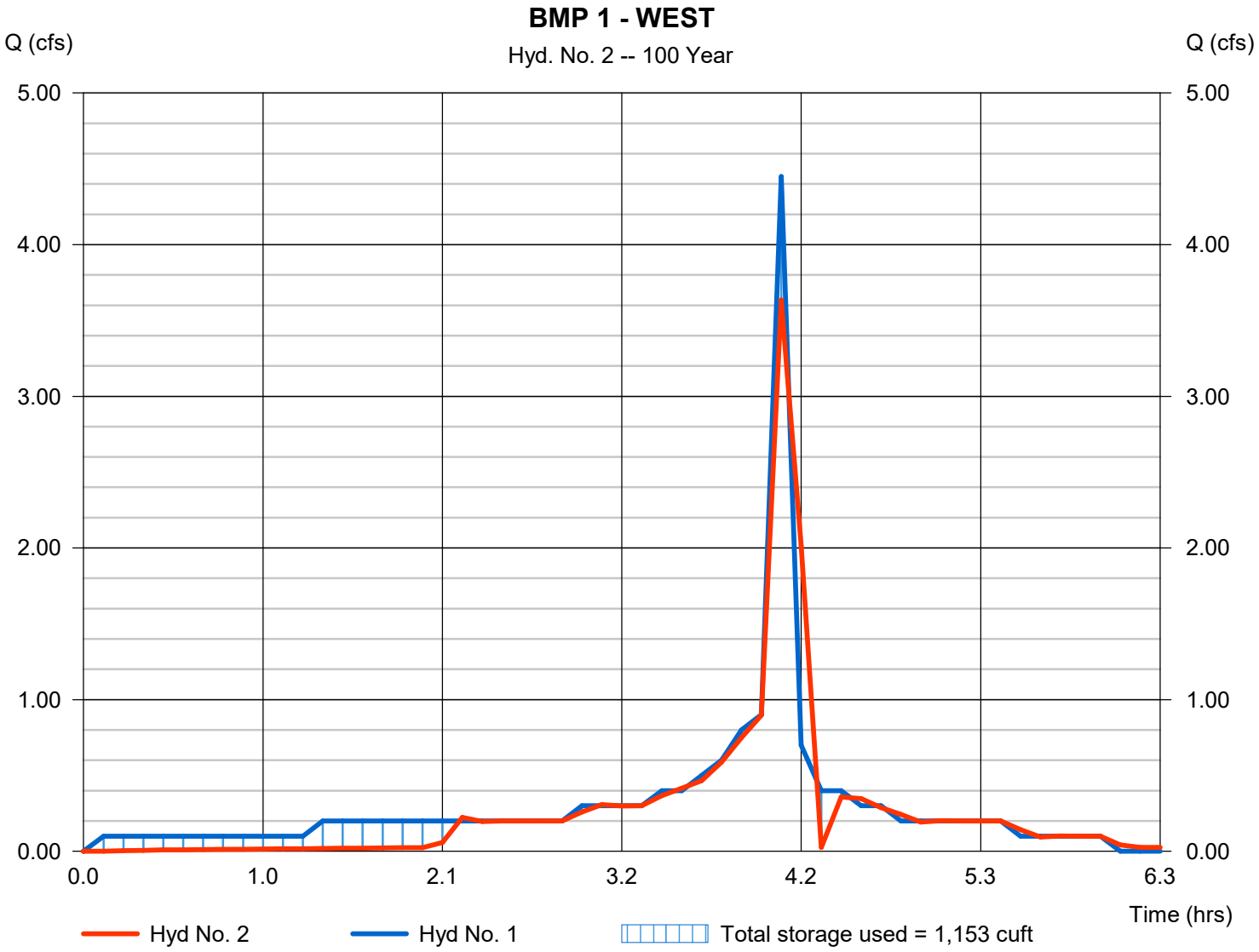
Hydrograph Report

Hyd. No. 2

BMP 1 - WEST

Hydrograph type	=	Reservoir	Peak discharge	=	3.636 cfs
Storm frequency	=	100 yrs	Time to peak	=	4.08 hrs
Time interval	=	7 min	Hyd. volume	=	7,010 cuft
Inflow hyd. No.	=	1 - BMP 1 - WEST	Max. Elevation	=	541.30 ft
Reservoir name	=	BMP 1 - WEST	Max. Storage	=	1,153 cuft

Storage Indication method used.



Pond Report

Pond No. 1 - BMP 1 - WEST

Pond Data

Contours -User-defined contour areas. Conic method used for volume calculation. Begining Elevation = 540.00 ft

Stage / Storage Table

Stage (ft)	Elevation (ft)	Contour area (sqft)	Incr. Storage (cuft)	Total storage (cuft)
0.00	540.00	890	0	0
0.50	540.50	890	445	445
1.00	541.00	890	445	890
1.50	541.50	890	445	1,335

Culvert / Orifice Structures

	[A]	[B]	[C]	[PrfRsr]
Rise (in)	= 18.00	1.00	0.00	0.00
Span (in)	= 18.00	1.00	0.00	0.00
No. Barrels	= 1	1	0	0
Invert El. (ft)	= 540.00	540.01	0.00	0.00
Length (ft)	= 40.00	0.00	0.00	0.00
Slope (%)	= 0.50	0.00	0.00	n/a
N-Value	= .013	.013	.013	n/a
Orifice Coeff.	= 0.60	0.60	0.60	0.60
Multi-Stage	= n/a	Yes	No	No

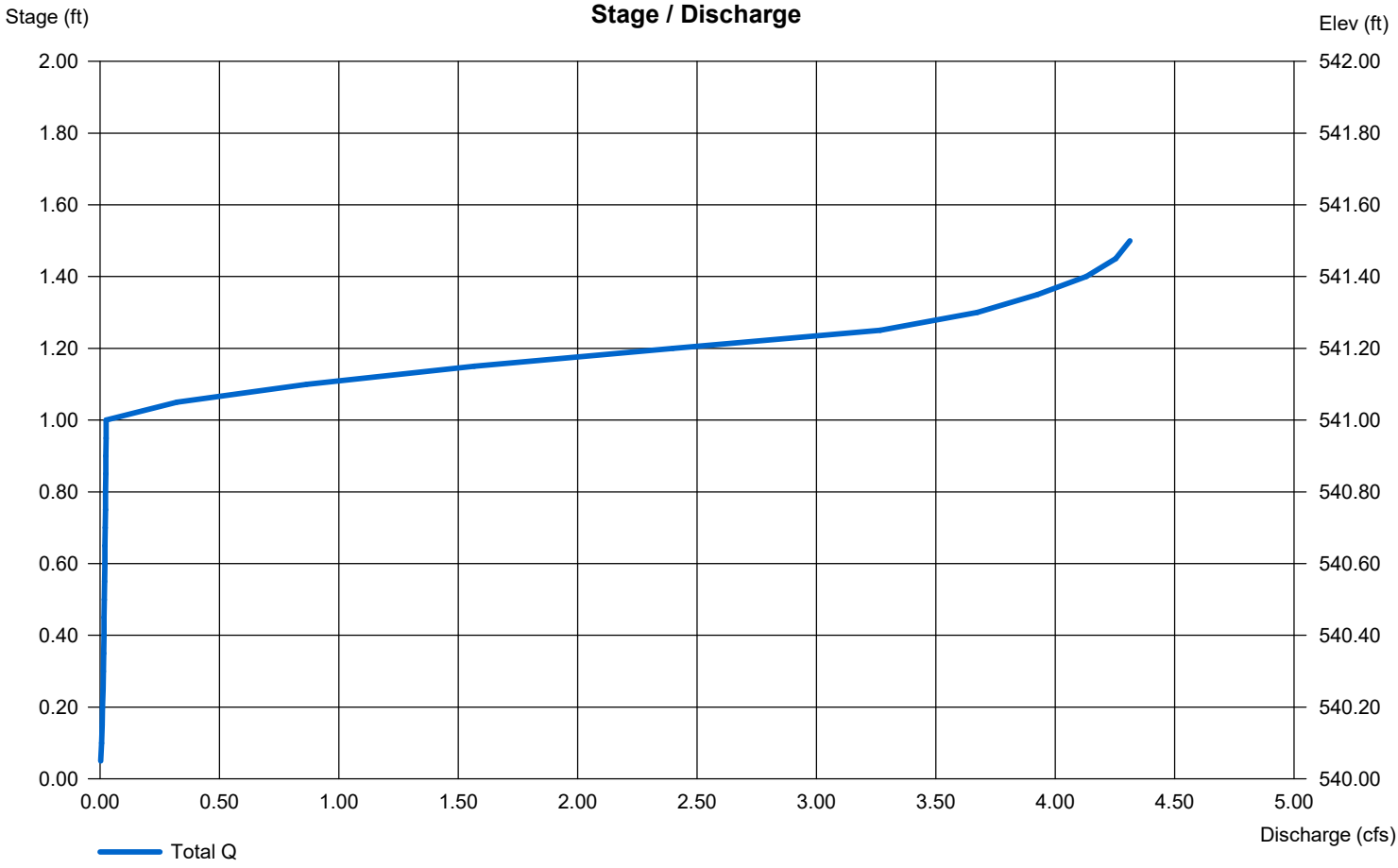
Weir Structures

	[A]	[B]	[C]	[D]
Crest Len (ft)	= 8.00	0.00	0.00	0.00
Crest El. (ft)	= 541.00	0.00	0.00	0.00
Weir Coeff.	= 3.33	3.33	3.33	3.33
Weir Type	= 1	---	---	---
Multi-Stage	= Yes	No	No	No

Exfil.(in/hr) = 0.000 (by Wet area)

TW Elev. (ft) = 0.00

Note: Culvert/Orifice outflows are analyzed under inlet (ic) and outlet (oc) control. Weir risers checked for orifice conditions (ic) and submergence (s).



Hydrograph Report

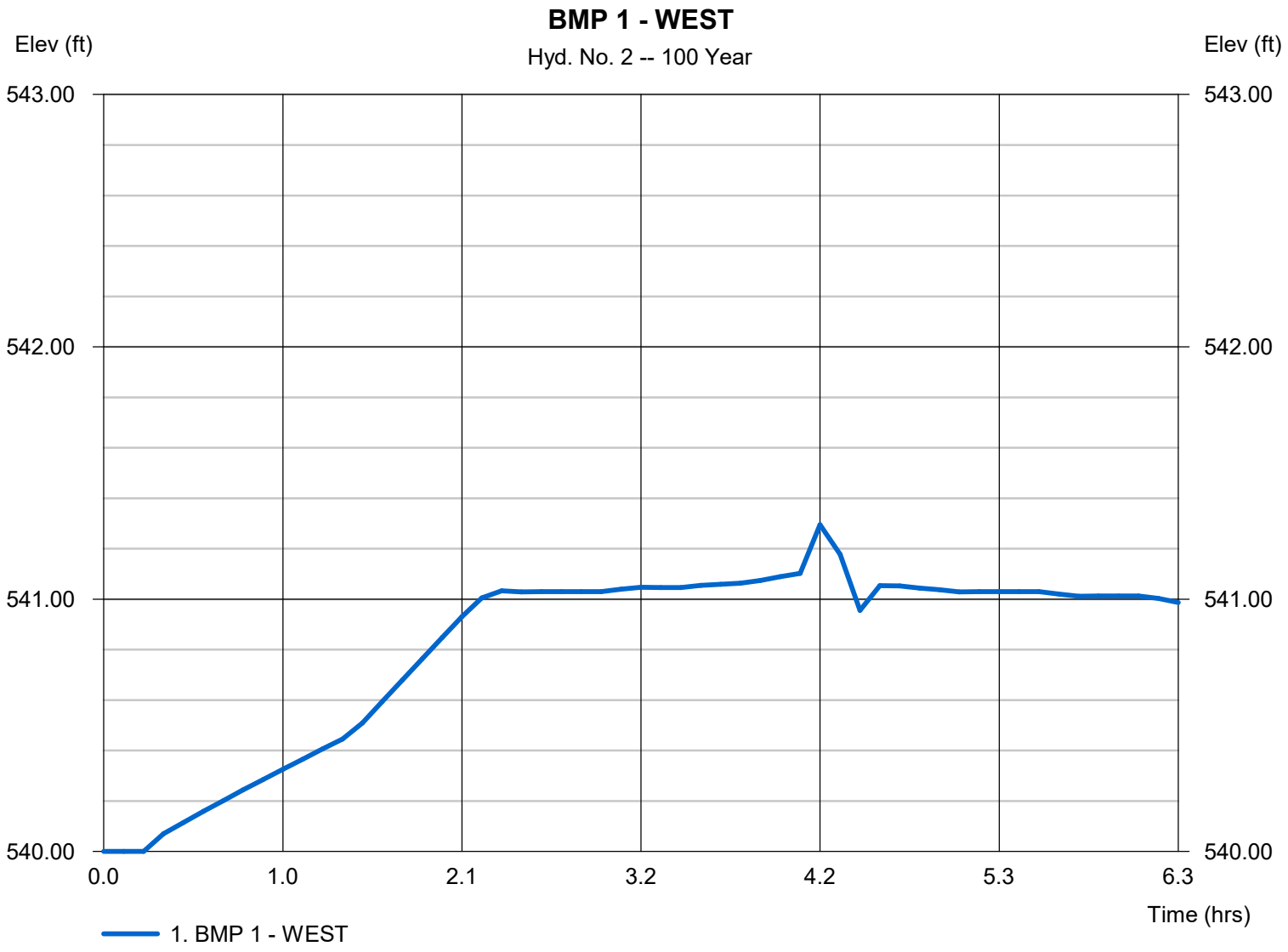
Hydraflow Hydrographs Extension for Autodesk® Civil 3D® by Autodesk, Inc. v2023 Friday, 03 / 3 / 2023

Hyd. No. 2

BMP 1 - WEST

Hydrograph type	= Reservoir	Peak discharge	= 3.636 cfs
Storm frequency	= 100 yrs	Time to peak	= 4.08 hrs
Time interval	= 7 min	Hyd. volume	= 7,010 cuft
Inflow hyd. No.	= 1 - BMP 1 - WEST	Max. Elevation	= 541.30 ft
Reservoir name	= BMP 1 - WEST	Max. Storage	= 1,153 cuft

Storage Indication method used.



BMP 2 - WEST

RATIONAL METHOD HYDROGRAPH PROGRAM
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RUN DATE 2/28/2023
HYDROGRAPH FILE NAME Text1
TIME OF CONCENTRATION 10 MIN.
6 HOUR RAINFALL 3.2 INCHES
BASIN AREA 1.28 ACRES
RUNOFF COEFFICIENT 0.69
PEAK DISCHARGE 4.78 CFS

TIME (MIN) = 0	DISCHARGE (CFS) = 0
TIME (MIN) = 10	DISCHARGE (CFS) = 0.2
TIME (MIN) = 20	DISCHARGE (CFS) = 0.2
TIME (MIN) = 30	DISCHARGE (CFS) = 0.2
TIME (MIN) = 40	DISCHARGE (CFS) = 0.2
TIME (MIN) = 50	DISCHARGE (CFS) = 0.2
TIME (MIN) = 60	DISCHARGE (CFS) = 0.2
TIME (MIN) = 70	DISCHARGE (CFS) = 0.2
TIME (MIN) = 80	DISCHARGE (CFS) = 0.2
TIME (MIN) = 90	DISCHARGE (CFS) = 0.2
TIME (MIN) = 100	DISCHARGE (CFS) = 0.2
TIME (MIN) = 110	DISCHARGE (CFS) = 0.2
TIME (MIN) = 120	DISCHARGE (CFS) = 0.2
TIME (MIN) = 130	DISCHARGE (CFS) = 0.3
TIME (MIN) = 140	DISCHARGE (CFS) = 0.3
TIME (MIN) = 150	DISCHARGE (CFS) = 0.3
TIME (MIN) = 160	DISCHARGE (CFS) = 0.3
TIME (MIN) = 170	DISCHARGE (CFS) = 0.3
TIME (MIN) = 180	DISCHARGE (CFS) = 0.4
TIME (MIN) = 190	DISCHARGE (CFS) = 0.4
TIME (MIN) = 200	DISCHARGE (CFS) = 0.5
TIME (MIN) = 210	DISCHARGE (CFS) = 0.6
TIME (MIN) = 220	DISCHARGE (CFS) = 0.6
TIME (MIN) = 230	DISCHARGE (CFS) = 0.9
TIME (MIN) = 240	DISCHARGE (CFS) = 1.3
TIME (MIN) = 250	DISCHARGE (CFS) = 4.78
TIME (MIN) = 260	DISCHARGE (CFS) = 0.8
TIME (MIN) = 270	DISCHARGE (CFS) = 0.5
TIME (MIN) = 280	DISCHARGE (CFS) = 0.4
TIME (MIN) = 290	DISCHARGE (CFS) = 0.3
TIME (MIN) = 300	DISCHARGE (CFS) = 0.3
TIME (MIN) = 310	DISCHARGE (CFS) = 0.3
TIME (MIN) = 320	DISCHARGE (CFS) = 0.2
TIME (MIN) = 330	DISCHARGE (CFS) = 0.2
TIME (MIN) = 340	DISCHARGE (CFS) = 0.2
TIME (MIN) = 350	DISCHARGE (CFS) = 0.2
TIME (MIN) = 360	DISCHARGE (CFS) = 0.2
TIME (MIN) = 370	DISCHARGE (CFS) = 0

Hydrograph Report

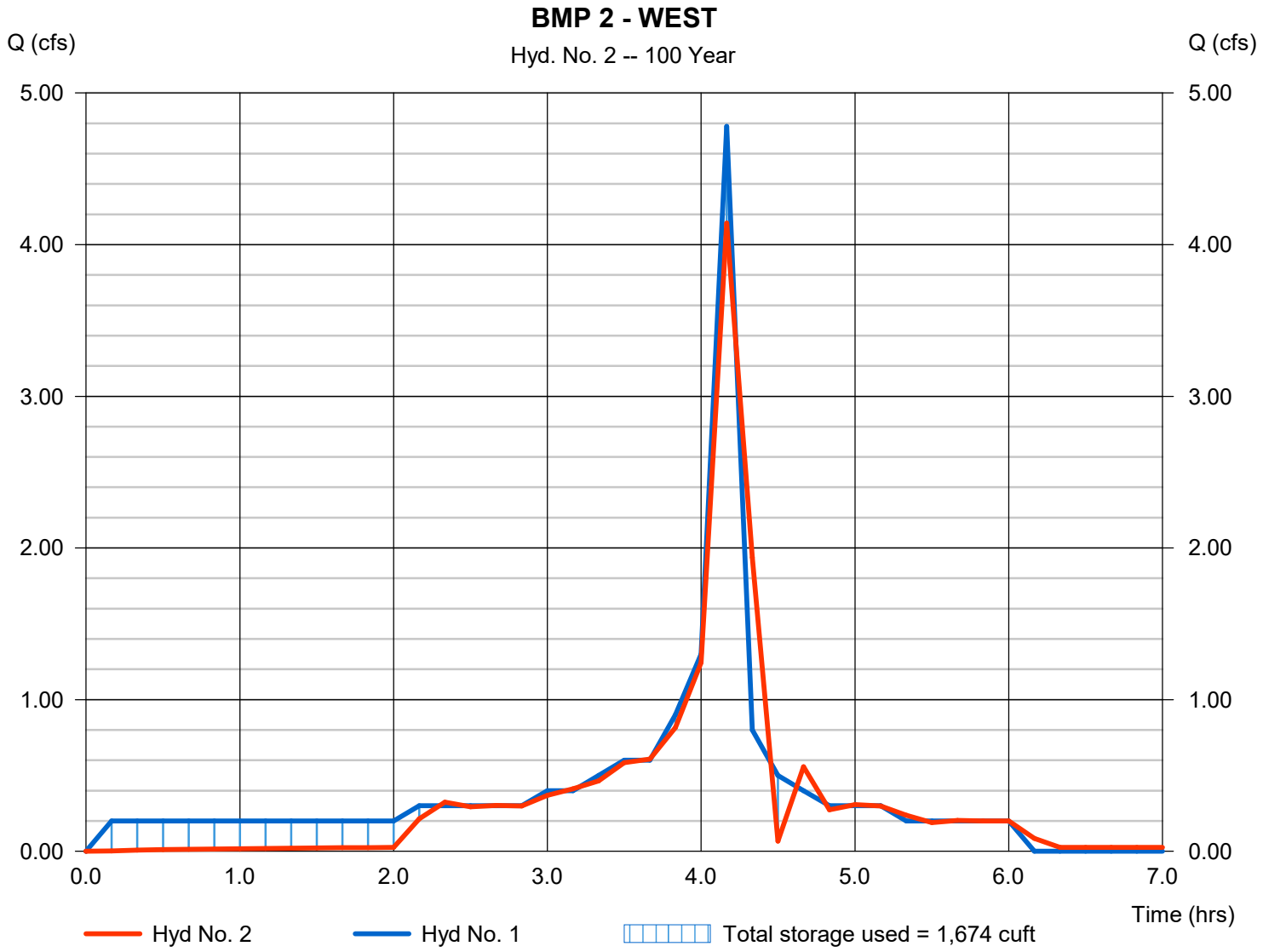
Hydraflow Hydrographs Extension for Autodesk® Civil 3D® by Autodesk, Inc. v2023 Friday, 03 / 3 / 2023

Hyd. No. 2

BMP 2 - WEST

Hydrograph type	=	Reservoir	Peak discharge	=	4.142 cfs
Storm frequency	=	100 yrs	Time to peak	=	4.17 hrs
Time interval	=	10 min	Hyd. volume	=	10,140 cuft
Inflow hyd. No.	=	1 - BMP 2 WEST	Max. Elevation	=	540.29 ft
Reservoir name	=	BMP 2 - WEST	Max. Storage	=	1,674 cuft

Storage Indication method used.



Pond Report

Pond No. 1 - BMP 2 - WEST

Pond Data

Contours -User-defined contour areas. Conic method used for volume calculation. Begining Elevation = 539.00 ft

Stage / Storage Table

Stage (ft)	Elevation (ft)	Contour area (sqft)	Incr. Storage (cuft)	Total storage (cuft)
0.00	539.00	1,300	0	0
0.25	539.25	1,300	325	325
0.50	539.50	1,300	325	650
0.75	539.75	1,300	325	975
1.00	540.00	1,300	325	1,300
1.25	540.25	1,300	325	1,625
1.50	540.50	1,300	325	1,950
2.00	541.00	1,300	650	2,600

Culvert / Orifice Structures

	[A]	[B]	[C]	[PrfRsr]
Rise (in)	= 18.00	1.00	0.00	0.00
Span (in)	= 18.00	1.00	0.00	0.00
No. Barrels	= 2	1	1	0
Invert El. (ft)	= 539.00	539.01	0.00	0.00
Length (ft)	= 24.60	0.00	0.00	0.00
Slope (%)	= 1.00	0.00	0.00	n/a
N-Value	= .013	.013	.013	n/a
Orifice Coeff.	= 0.60	0.60	0.60	0.60
Multi-Stage	= n/a	Yes	Yes	No

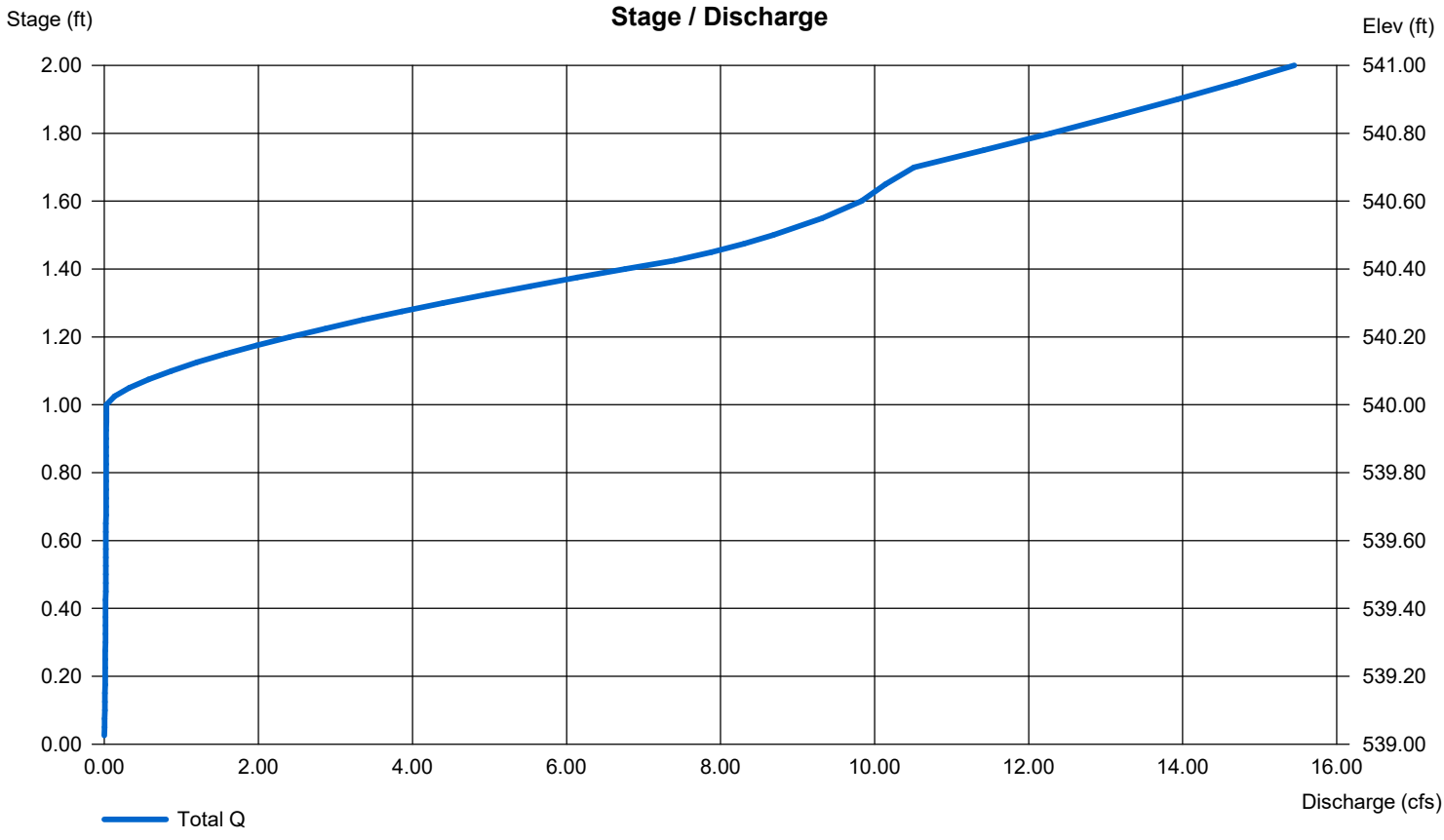
Weir Structures

	[A]	[B]	[C]	[D]
Crest Len (ft)	= 8.00	0.00	0.00	0.00
Crest El. (ft)	= 540.00	0.00	0.00	0.00
Weir Coeff.	= 3.33	3.33	3.33	3.33
Weir Type	= 1	---	---	---
Multi-Stage	= Yes	No	No	No

Exfil.(in/hr) = 0.000 (by Wet area)

TW Elev. (ft) = 0.00

Note: Culvert/Orifice outflows are analyzed under inlet (ic) and outlet (oc) control. Weir risers checked for orifice conditions (ic) and submergence (s).



Hydrograph Report

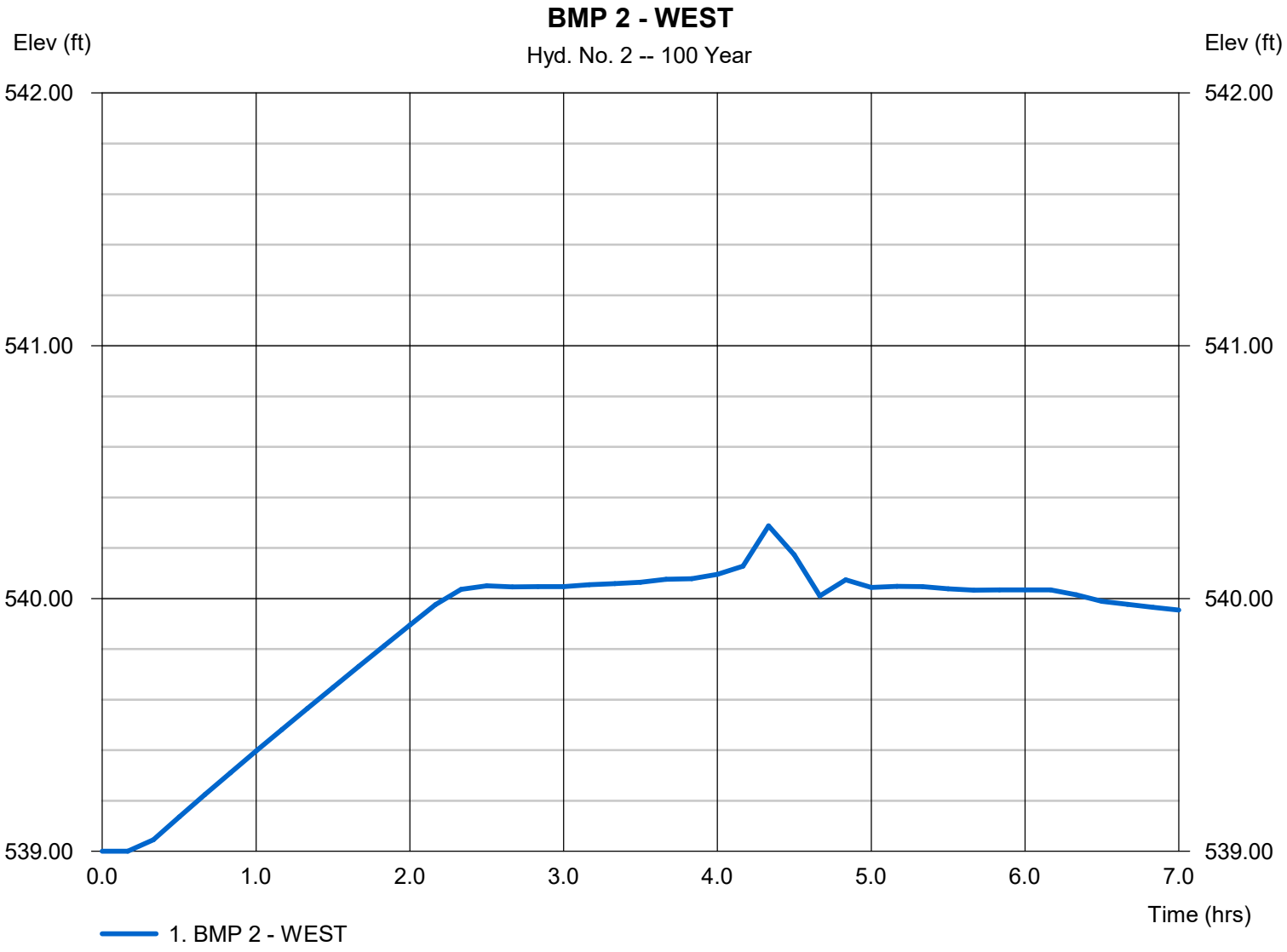
Hydraflow Hydrographs Extension for Autodesk® Civil 3D® by Autodesk, Inc. v2023 Friday, 03 / 3 / 2023

Hyd. No. 2

BMP 2 - WEST

Hydrograph type	= Reservoir	Peak discharge	= 4.142 cfs
Storm frequency	= 100 yrs	Time to peak	= 4.17 hrs
Time interval	= 10 min	Hyd. volume	= 10,140 cuft
Inflow hyd. No.	= 1 - BMP 2 WEST	Max. Elevation	= 540.29 ft
Reservoir name	= BMP 2 - WEST	Max. Storage	= 1,674 cuft

Storage Indication method used.



BMP 3 - DET WEST

RATIONAL METHOD HYDROGRAPH PROGRAM
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RUN DATE 2/24/2023
HYDROGRAPH FILE NAME Text1
TIME OF CONCENTRATION 9 MIN.
6 HOUR RAINFALL 3.2 INCHES
BASIN AREA 2.6 ACRES
RUNOFF COEFFICIENT 0.69
PEAK DISCHARGE 10.23 CFS

TIME (MIN) = 0	DISCHARGE (CFS) = 0
TIME (MIN) = 9	DISCHARGE (CFS) = 0
TIME (MIN) = 18	DISCHARGE (CFS) = 0.3
TIME (MIN) = 27	DISCHARGE (CFS) = 0.4
TIME (MIN) = 36	DISCHARGE (CFS) = 0.4
TIME (MIN) = 45	DISCHARGE (CFS) = 0.4
TIME (MIN) = 54	DISCHARGE (CFS) = 0.4
TIME (MIN) = 63	DISCHARGE (CFS) = 0.4
TIME (MIN) = 72	DISCHARGE (CFS) = 0.4
TIME (MIN) = 81	DISCHARGE (CFS) = 0.4
TIME (MIN) = 90	DISCHARGE (CFS) = 0.4
TIME (MIN) = 99	DISCHARGE (CFS) = 0.5
TIME (MIN) = 108	DISCHARGE (CFS) = 0.5
TIME (MIN) = 117	DISCHARGE (CFS) = 0.5
TIME (MIN) = 126	DISCHARGE (CFS) = 0.5
TIME (MIN) = 135	DISCHARGE (CFS) = 0.5
TIME (MIN) = 144	DISCHARGE (CFS) = 0.6
TIME (MIN) = 153	DISCHARGE (CFS) = 0.6
TIME (MIN) = 162	DISCHARGE (CFS) = 0.7
TIME (MIN) = 171	DISCHARGE (CFS) = 0.7
TIME (MIN) = 180	DISCHARGE (CFS) = 0.8
TIME (MIN) = 189	DISCHARGE (CFS) = 0.8
TIME (MIN) = 198	DISCHARGE (CFS) = 0.9
TIME (MIN) = 207	DISCHARGE (CFS) = 1
TIME (MIN) = 216	DISCHARGE (CFS) = 1.2
TIME (MIN) = 225	DISCHARGE (CFS) = 1.4
TIME (MIN) = 234	DISCHARGE (CFS) = 2
TIME (MIN) = 243	DISCHARGE (CFS) = 3
TIME (MIN) = 252	DISCHARGE (CFS) = 10.23
TIME (MIN) = 261	DISCHARGE (CFS) = 1.6
TIME (MIN) = 270	DISCHARGE (CFS) = 1.1
TIME (MIN) = 279	DISCHARGE (CFS) = 0.9
TIME (MIN) = 288	DISCHARGE (CFS) = 0.7
TIME (MIN) = 297	DISCHARGE (CFS) = 0.6
TIME (MIN) = 306	DISCHARGE (CFS) = 0.6
TIME (MIN) = 315	DISCHARGE (CFS) = 0.5
TIME (MIN) = 324	DISCHARGE (CFS) = 0.5
TIME (MIN) = 333	DISCHARGE (CFS) = 0.4
TIME (MIN) = 342	DISCHARGE (CFS) = 0.4
TIME (MIN) = 351	DISCHARGE (CFS) = 0.4
TIME (MIN) = 360	DISCHARGE (CFS) = 0.4
TIME (MIN) = 369	DISCHARGE (CFS) = 0

Hydrograph Report

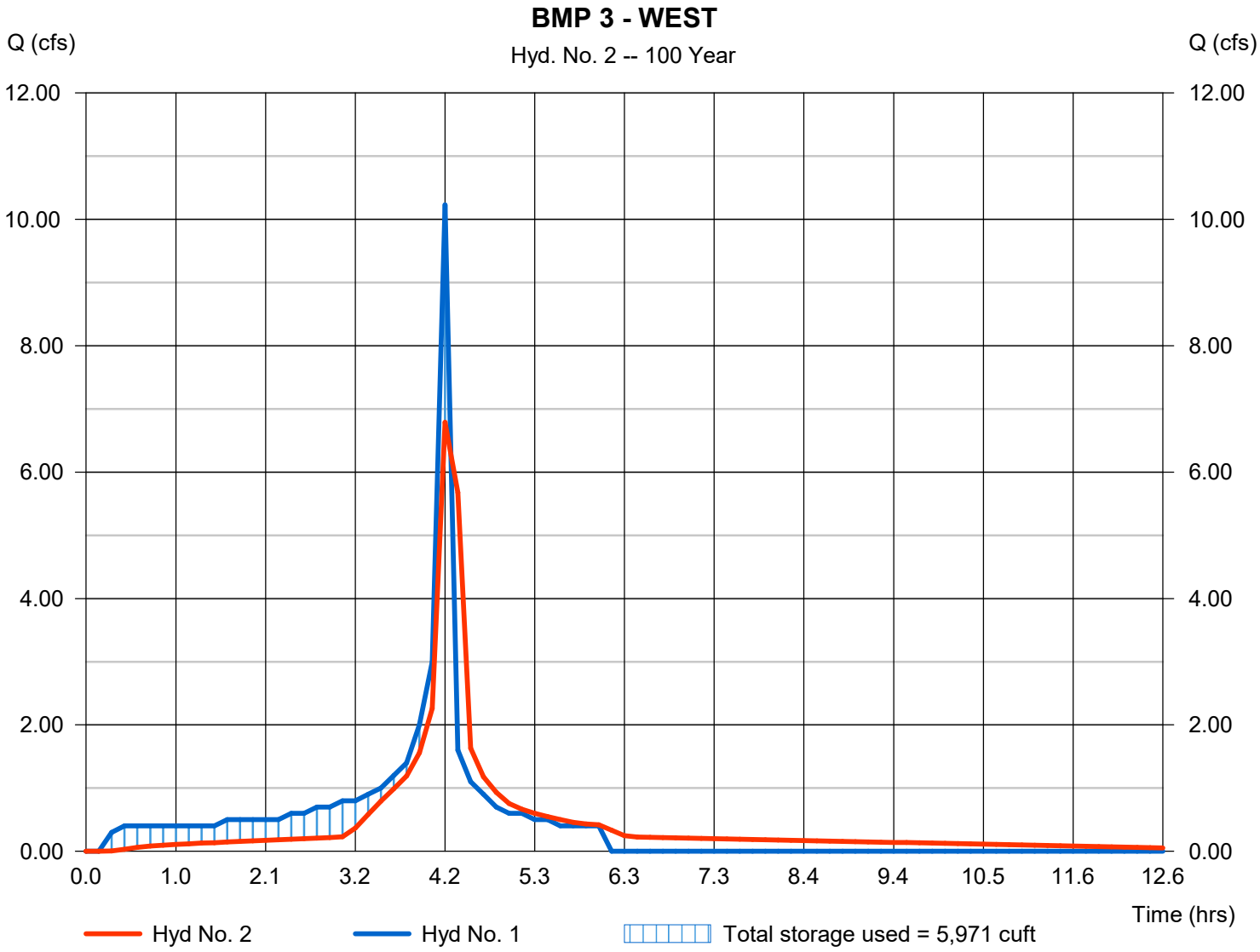
Hydraflow Hydrographs Extension for Autodesk® Civil 3D® by Autodesk, Inc. v2023 Friday, 03 / 3 / 2023

Hyd. No. 2

BMP 3 - WEST

Hydrograph type	=	Reservoir	Peak discharge	=	6.788 cfs
Storm frequency	=	100 yrs	Time to peak	=	4.20 hrs
Time interval	=	9 min	Hyd. volume	=	20,524 cuft
Inflow hyd. No.	=	1 - BMP 3 - WEST	Max. Elevation	=	538.21 ft
Reservoir name	=	BMP 3 - WEST	Max. Storage	=	5,971 cuft

Storage Indication method used.



Pond Report

Pond No. 1 - BMP 3 - WEST

Pond Data

Contours -User-defined contour areas. Conic method used for volume calculation. Begining Elevation = 534.78 ft

Stage / Storage Table

Stage (ft)	Elevation (ft)	Contour area (sqft)	Incr. Storage (cuft)	Total storage (cuft)
0.00	534.78	1,740	0	0
1.00	535.78	1,740	1,740	1,740
1.50	536.28	1,740	870	2,610
2.00	536.78	1,740	870	3,480
2.50	537.28	1,740	870	4,350
3.00	537.78	1,740	870	5,219
3.50	538.28	1,740	870	6,089

Culvert / Orifice Structures

	[A]	[B]	[C]	[PrfRsr]
Rise (in)	= 24.00	2.50	12.00	0.00
Span (in)	= 24.00	2.50	12.00	0.00
No. Barrels	= 1	1	1	0
Invert El. (ft)	= 530.00	534.79	536.78	0.00
Length (ft)	= 80.00	0.00	0.00	0.00
Slope (%)	= 0.50	0.00	0.00	n/a
N-Value	= .013	.013	.013	n/a
Orifice Coeff.	= 0.60	0.60	0.60	0.60
Multi-Stage	= n/a	Yes	Yes	Yes

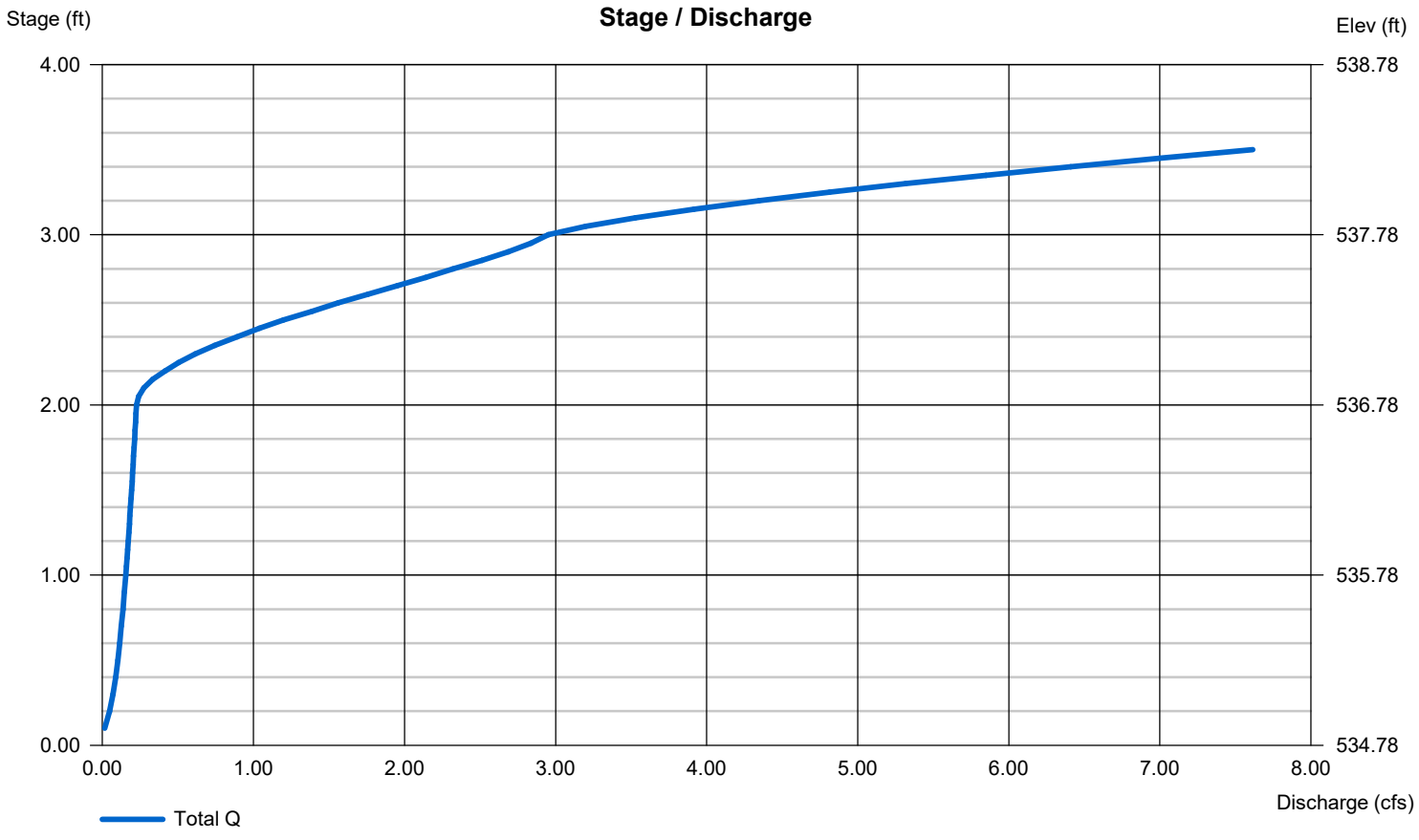
Weir Structures

	[A]	[B]	[C]	[D]
Crest Len (ft)	= 3.00	0.00	0.00	0.00
Crest El. (ft)	= 537.78	0.00	0.00	0.00
Weir Coeff.	= 3.33	3.33	3.33	3.33
Weir Type	= Rect	---	---	---
Multi-Stage	= No	No	No	No

Exfil.(in/hr) = 0.000 (by Wet area)

TW Elev. (ft) = 0.00

Note: Culvert/Orifice outflows are analyzed under inlet (ic) and outlet (oc) control. Weir risers checked for orifice conditions (ic) and submergence (s).



Hydrograph Report

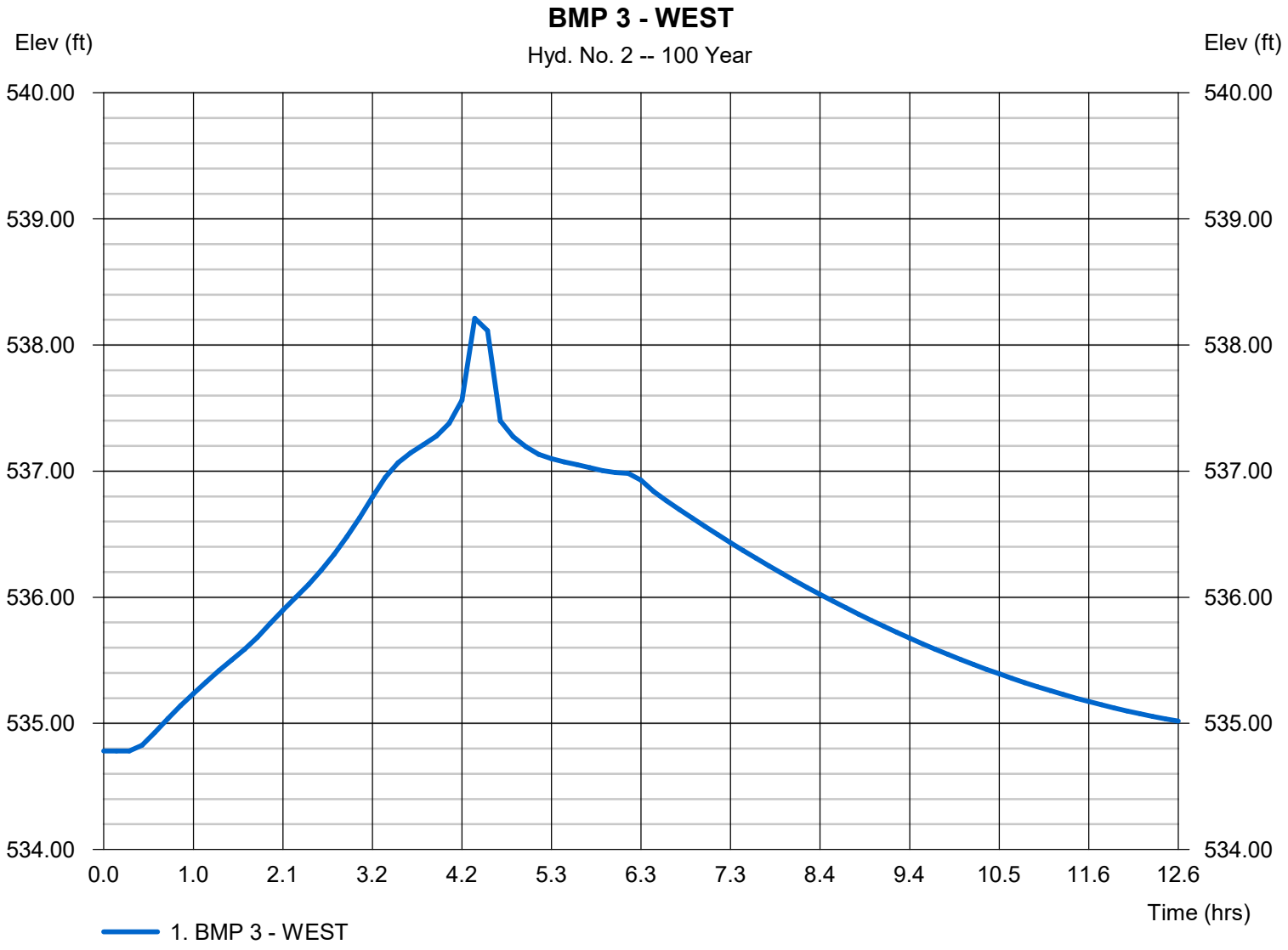
Hydraflow Hydrographs Extension for Autodesk® Civil 3D® by Autodesk, Inc. v2023 Friday, 03 / 3 / 2023

Hyd. No. 2

BMP 3 - WEST

Hydrograph type	= Reservoir	Peak discharge	= 6.788 cfs
Storm frequency	= 100 yrs	Time to peak	= 4.20 hrs
Time interval	= 9 min	Hyd. volume	= 20,524 cuft
Inflow hyd. No.	= 1 - BMP 3 - WEST	Max. Elevation	= 538.21 ft
Reservoir name	= BMP 3 - WEST	Max. Storage	= 5,971 cuft

Storage Indication method used.



BMP A1 - EAST

RATIONAL METHOD HYDROGRAPH PROGRAM
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RUN DATE 3/1/2023
HYDROGRAPH FILE NAME Text1
TIME OF CONCENTRATION 5 MIN.
6 HOUR RAINFALL 3.2 INCHES
BASIN AREA 0.6 ACRES
RUNOFF COEFFICIENT 0.82
PEAK DISCHARGE 3.94 CFS

TIME (MIN) = 0	DISCHARGE (CFS) = 0
TIME (MIN) = 5	DISCHARGE (CFS) = 0.1
TIME (MIN) = 10	DISCHARGE (CFS) = 0.1
TIME (MIN) = 15	DISCHARGE (CFS) = 0.1
TIME (MIN) = 20	DISCHARGE (CFS) = 0.1
TIME (MIN) = 25	DISCHARGE (CFS) = 0.1
TIME (MIN) = 30	DISCHARGE (CFS) = 0.1
TIME (MIN) = 35	DISCHARGE (CFS) = 0.1
TIME (MIN) = 40	DISCHARGE (CFS) = 0.1
TIME (MIN) = 45	DISCHARGE (CFS) = 0.1
TIME (MIN) = 50	DISCHARGE (CFS) = 0.1
TIME (MIN) = 55	DISCHARGE (CFS) = 0.1
TIME (MIN) = 60	DISCHARGE (CFS) = 0.1
TIME (MIN) = 65	DISCHARGE (CFS) = 0.1
TIME (MIN) = 70	DISCHARGE (CFS) = 0.1
TIME (MIN) = 75	DISCHARGE (CFS) = 0.1
TIME (MIN) = 80	DISCHARGE (CFS) = 0.1
TIME (MIN) = 85	DISCHARGE (CFS) = 0.1
TIME (MIN) = 90	DISCHARGE (CFS) = 0.1
TIME (MIN) = 95	DISCHARGE (CFS) = 0.1
TIME (MIN) = 100	DISCHARGE (CFS) = 0.1
TIME (MIN) = 105	DISCHARGE (CFS) = 0.1
TIME (MIN) = 110	DISCHARGE (CFS) = 0.1
TIME (MIN) = 115	DISCHARGE (CFS) = 0.1
TIME (MIN) = 120	DISCHARGE (CFS) = 0.1
TIME (MIN) = 125	DISCHARGE (CFS) = 0.1
TIME (MIN) = 130	DISCHARGE (CFS) = 0.2
TIME (MIN) = 135	DISCHARGE (CFS) = 0.2
TIME (MIN) = 140	DISCHARGE (CFS) = 0.2
TIME (MIN) = 145	DISCHARGE (CFS) = 0.2
TIME (MIN) = 150	DISCHARGE (CFS) = 0.2
TIME (MIN) = 155	DISCHARGE (CFS) = 0.2
TIME (MIN) = 160	DISCHARGE (CFS) = 0.2
TIME (MIN) = 165	DISCHARGE (CFS) = 0.2
TIME (MIN) = 170	DISCHARGE (CFS) = 0.2
TIME (MIN) = 175	DISCHARGE (CFS) = 0.2
TIME (MIN) = 180	DISCHARGE (CFS) = 0.2
TIME (MIN) = 185	DISCHARGE (CFS) = 0.2
TIME (MIN) = 190	DISCHARGE (CFS) = 0.2
TIME (MIN) = 195	DISCHARGE (CFS) = 0.3
TIME (MIN) = 200	DISCHARGE (CFS) = 0.3
TIME (MIN) = 205	DISCHARGE (CFS) = 0.3
TIME (MIN) = 210	DISCHARGE (CFS) = 0.3
TIME (MIN) = 215	DISCHARGE (CFS) = 0.4
TIME (MIN) = 220	DISCHARGE (CFS) = 0.4
TIME (MIN) = 225	DISCHARGE (CFS) = 0.5
TIME (MIN) = 230	DISCHARGE (CFS) = 0.6
TIME (MIN) = 235	DISCHARGE (CFS) = 0.8
TIME (MIN) = 240	DISCHARGE (CFS) = 1.4
TIME (MIN) = 245	DISCHARGE (CFS) = 3.94
TIME (MIN) = 250	DISCHARGE (CFS) = 0.7
TIME (MIN) = 255	DISCHARGE (CFS) = 0.4
TIME (MIN) = 260	DISCHARGE (CFS) = 0.3
TIME (MIN) = 265	DISCHARGE (CFS) = 0.3
TIME (MIN) = 270	DISCHARGE (CFS) = 0.3
TIME (MIN) = 275	DISCHARGE (CFS) = 0.2
TIME (MIN) = 280	DISCHARGE (CFS) = 0.2
TIME (MIN) = 285	DISCHARGE (CFS) = 0.2
TIME (MIN) = 290	DISCHARGE (CFS) = 0.2
TIME (MIN) = 295	DISCHARGE (CFS) = 0.2
TIME (MIN) = 300	DISCHARGE (CFS) = 0.2
TIME (MIN) = 305	DISCHARGE (CFS) = 0.1
TIME (MIN) = 310	DISCHARGE (CFS) = 0.1
TIME (MIN) = 315	DISCHARGE (CFS) = 0.1
TIME (MIN) = 320	DISCHARGE (CFS) = 0.1
TIME (MIN) = 325	DISCHARGE (CFS) = 0.1
TIME (MIN) = 330	DISCHARGE (CFS) = 0.1
TIME (MIN) = 335	DISCHARGE (CFS) = 0.1
TIME (MIN) = 340	DISCHARGE (CFS) = 0.1
TIME (MIN) = 345	DISCHARGE (CFS) = 0.1
TIME (MIN) = 350	DISCHARGE (CFS) = 0.1
TIME (MIN) = 355	DISCHARGE (CFS) = 0.1
TIME (MIN) = 360	DISCHARGE (CFS) = 0.1
TIME (MIN) = 365	DISCHARGE (CFS) = 0

Hydrograph Report

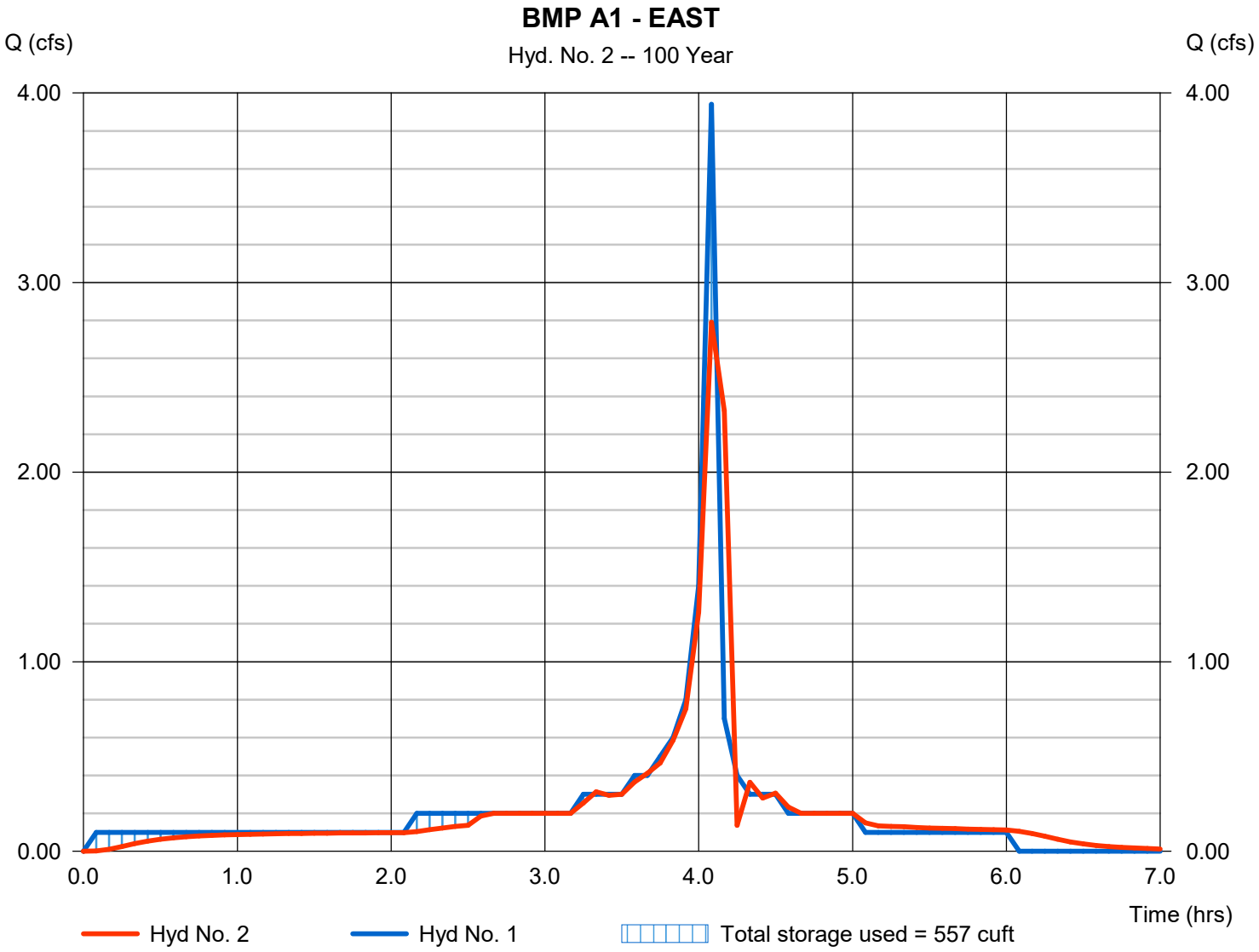
Hydraflow Hydrographs Extension for Autodesk® Civil 3D® by Autodesk, Inc. v2023 Friday, 03 / 3 / 2023

Hyd. No. 2

BMP A1 - EAST

Hydrograph type	=	Reservoir	Peak discharge	=	2.790 cfs
Storm frequency	=	100 yrs	Time to peak	=	4.08 hrs
Time interval	=	5 min	Hyd. volume	=	5,610 cuft
Inflow hyd. No.	=	1 - BMP A1 - EAST	Max. Elevation	=	543.42 ft
Reservoir name	=	BMP A1 - EAST	Max. Storage	=	557 cuft

Storage Indication method used.



Pond Report

Pond No. 1 - BMP A1 - EAST

Pond Data

Contours -User-defined contour areas. Conic method used for volume calculation. Begining Elevation = 542.45 ft

Stage / Storage Table

Stage (ft)	Elevation (ft)	Contour area (sqft)	Incr. Storage (cuft)	Total storage (cuft)
0.00	542.45	575	0	0
0.25	542.70	575	144	144
0.50	542.95	575	144	287
0.75	543.20	575	144	431
1.00	543.45	575	144	575
1.25	543.70	575	144	719
1.50	543.95	575	144	862

Culvert / Orifice Structures

	[A]	[B]	[C]	[PrfRsr]
Rise (in)	= 18.00	3.00	0.00	0.00
Span (in)	= 18.00	3.00	0.00	0.00
No. Barrels	= 1	1	0	0
Invert El. (ft)	= 542.45	542.45	0.00	0.00
Length (ft)	= 35.00	0.00	0.00	0.00
Slope (%)	= 0.50	0.00	0.00	n/a
N-Value	= .013	.013	.013	n/a
Orifice Coeff.	= 0.60	0.60	0.60	0.60
Multi-Stage	= n/a	Yes	No	No

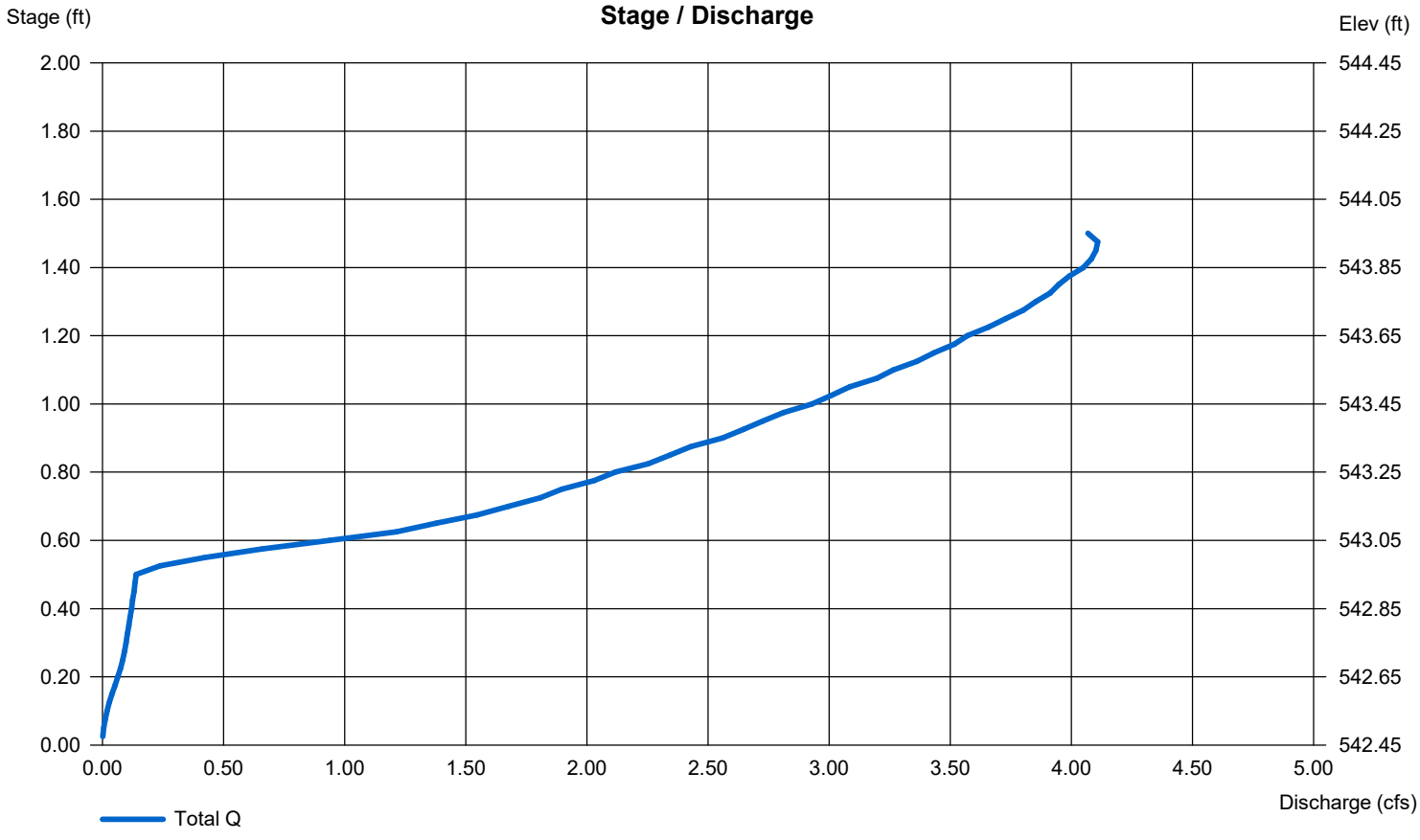
Weir Structures

	[A]	[B]	[C]	[D]
Crest Len (ft)	= 8.00	0.00	0.00	0.00
Crest El. (ft)	= 542.95	0.00	0.00	0.00
Weir Coeff.	= 3.33	3.33	3.33	3.33
Weir Type	= 1	---	---	---
Multi-Stage	= Yes	No	No	No

Exfil.(in/hr) = 0.000 (by Wet area)

TW Elev. (ft) = 0.00

Note: Culvert/Orifice outflows are analyzed under inlet (ic) and outlet (oc) control. Weir risers checked for orifice conditions (ic) and submergence (s).



Hydrograph Report

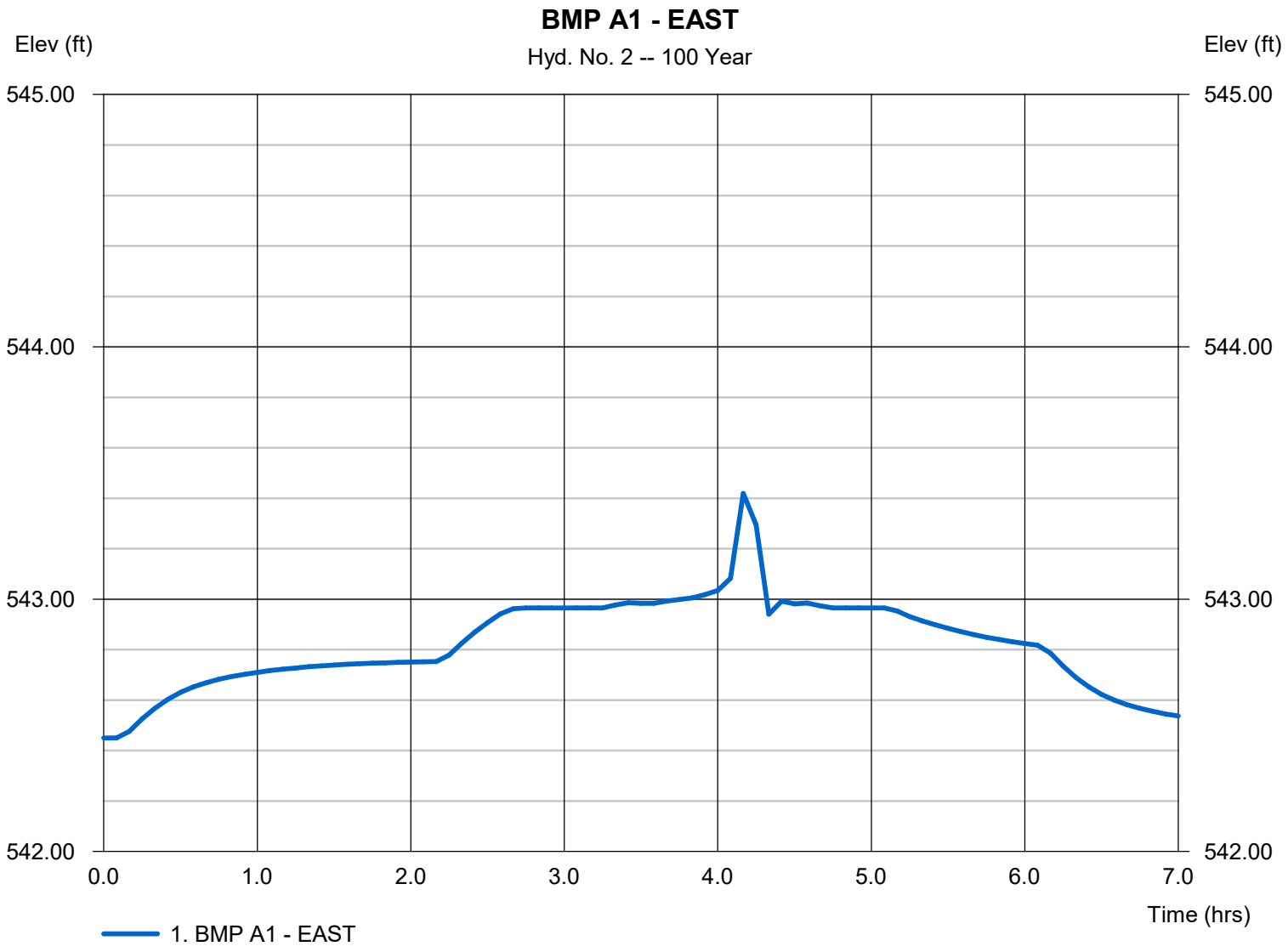
Hydraflow Hydrographs Extension for Autodesk® Civil 3D® by Autodesk, Inc. v2023 Friday, 03 / 3 / 2023

Hyd. No. 2

BMP A1 - EAST

Hydrograph type	=	Reservoir	Peak discharge	=	2.790 cfs
Storm frequency	=	100 yrs	Time to peak	=	4.08 hrs
Time interval	=	5 min	Hyd. volume	=	5,610 cuft
Inflow hyd. No.	=	1 - BMP A1 - EAST	Max. Elevation	=	543.42 ft
Reservoir name	=	BMP A1 - EAST	Max. Storage	=	557 cuft

Storage Indication method used.



BMP B1 - EAST

RATIONAL METHOD HYDROGRAPH PROGRAM
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RUN DATE 2/28/2023
HYDROGRAPH FILE NAME Text1
TIME OF CONCENTRATION 5 MIN.
6 HOUR RAINFALL 3.2 INCHES
BASIN AREA 0.81 ACRES
RUNOFF COEFFICIENT 0.82
PEAK DISCHARGE 6.91 CFS

TIME (MIN) = 0	DISCHARGE (CFS) = 0
TIME (MIN) = 5	DISCHARGE (CFS) = 0.1
TIME (MIN) = 10	DISCHARGE (CFS) = 0.1
TIME (MIN) = 15	DISCHARGE (CFS) = 0.1
TIME (MIN) = 20	DISCHARGE (CFS) = 0.1
TIME (MIN) = 25	DISCHARGE (CFS) = 0.1
TIME (MIN) = 30	DISCHARGE (CFS) = 0.1
TIME (MIN) = 35	DISCHARGE (CFS) = 0.1
TIME (MIN) = 40	DISCHARGE (CFS) = 0.1
TIME (MIN) = 45	DISCHARGE (CFS) = 0.1
TIME (MIN) = 50	DISCHARGE (CFS) = 0.1
TIME (MIN) = 55	DISCHARGE (CFS) = 0.1
TIME (MIN) = 60	DISCHARGE (CFS) = 0.1
TIME (MIN) = 65	DISCHARGE (CFS) = 0.2
TIME (MIN) = 70	DISCHARGE (CFS) = 0.2
TIME (MIN) = 75	DISCHARGE (CFS) = 0.2
TIME (MIN) = 80	DISCHARGE (CFS) = 0.2
TIME (MIN) = 85	DISCHARGE (CFS) = 0.2
TIME (MIN) = 90	DISCHARGE (CFS) = 0.2
TIME (MIN) = 95	DISCHARGE (CFS) = 0.2
TIME (MIN) = 100	DISCHARGE (CFS) = 0.2
TIME (MIN) = 105	DISCHARGE (CFS) = 0.2
TIME (MIN) = 110	DISCHARGE (CFS) = 0.2
TIME (MIN) = 115	DISCHARGE (CFS) = 0.2
TIME (MIN) = 120	DISCHARGE (CFS) = 0.2
TIME (MIN) = 125	DISCHARGE (CFS) = 0.2
TIME (MIN) = 130	DISCHARGE (CFS) = 0.2
TIME (MIN) = 135	DISCHARGE (CFS) = 0.2
TIME (MIN) = 140	DISCHARGE (CFS) = 0.2
TIME (MIN) = 145	DISCHARGE (CFS) = 0.2
TIME (MIN) = 150	DISCHARGE (CFS) = 0.2
TIME (MIN) = 155	DISCHARGE (CFS) = 0.2
TIME (MIN) = 160	DISCHARGE (CFS) = 0.2
TIME (MIN) = 165	DISCHARGE (CFS) = 0.3
TIME (MIN) = 170	DISCHARGE (CFS) = 0.3
TIME (MIN) = 175	DISCHARGE (CFS) = 0.3
TIME (MIN) = 180	DISCHARGE (CFS) = 0.3
TIME (MIN) = 185	DISCHARGE (CFS) = 0.3
TIME (MIN) = 190	DISCHARGE (CFS) = 0.3
TIME (MIN) = 195	DISCHARGE (CFS) = 0.4
TIME (MIN) = 200	DISCHARGE (CFS) = 0.4
TIME (MIN) = 205	DISCHARGE (CFS) = 0.4
TIME (MIN) = 210	DISCHARGE (CFS) = 0.4
TIME (MIN) = 215	DISCHARGE (CFS) = 0.5
TIME (MIN) = 220	DISCHARGE (CFS) = 0.5
TIME (MIN) = 225	DISCHARGE (CFS) = 0.7
TIME (MIN) = 230	DISCHARGE (CFS) = 0.8
TIME (MIN) = 235	DISCHARGE (CFS) = 1.1
TIME (MIN) = 240	DISCHARGE (CFS) = 0.3
TIME (MIN) = 245	DISCHARGE (CFS) = 6.91
TIME (MIN) = 250	DISCHARGE (CFS) = 0.9
TIME (MIN) = 255	DISCHARGE (CFS) = 0.6
TIME (MIN) = 260	DISCHARGE (CFS) = 0.5
TIME (MIN) = 265	DISCHARGE (CFS) = 0.4
TIME (MIN) = 270	DISCHARGE (CFS) = 0.3
TIME (MIN) = 275	DISCHARGE (CFS) = 0.3
TIME (MIN) = 280	DISCHARGE (CFS) = 0.3
TIME (MIN) = 285	DISCHARGE (CFS) = 0.3
TIME (MIN) = 290	DISCHARGE (CFS) = 0.2
TIME (MIN) = 295	DISCHARGE (CFS) = 0.2
TIME (MIN) = 300	DISCHARGE (CFS) = 0.2
TIME (MIN) = 305	DISCHARGE (CFS) = 0.2
TIME (MIN) = 310	DISCHARGE (CFS) = 0.2
TIME (MIN) = 315	DISCHARGE (CFS) = 0.2
TIME (MIN) = 320	DISCHARGE (CFS) = 0.2
TIME (MIN) = 325	DISCHARGE (CFS) = 0.2
TIME (MIN) = 330	DISCHARGE (CFS) = 0.2
TIME (MIN) = 335	DISCHARGE (CFS) = 0.2
TIME (MIN) = 340	DISCHARGE (CFS) = 0.1
TIME (MIN) = 345	DISCHARGE (CFS) = 0.1
TIME (MIN) = 350	DISCHARGE (CFS) = 0.1
TIME (MIN) = 355	DISCHARGE (CFS) = 0.1
TIME (MIN) = 360	DISCHARGE (CFS) = 0.1
TIME (MIN) = 365	DISCHARGE (CFS) = 0

Hydrograph Report

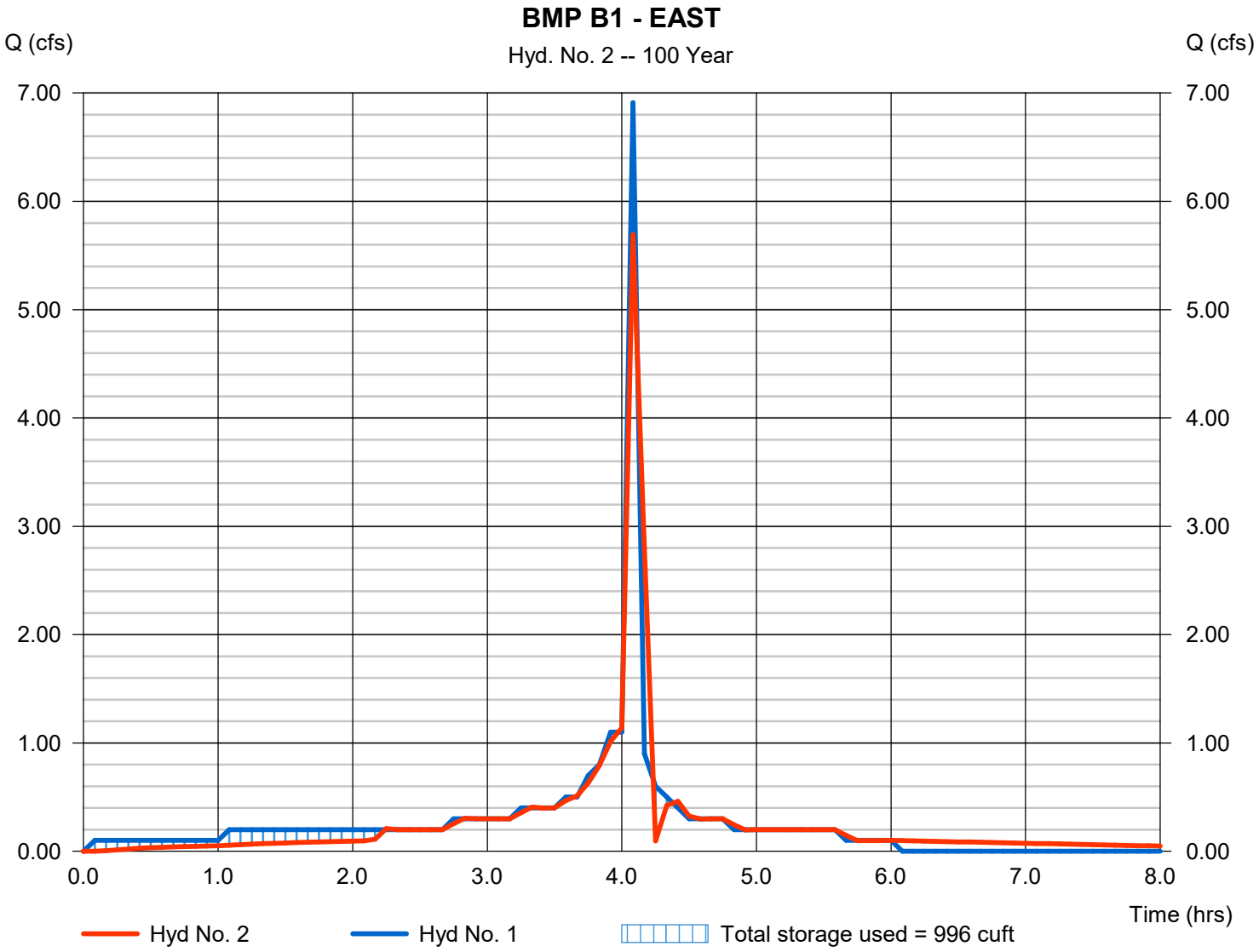
Hydraflow Hydrographs Extension for Autodesk® Civil 3D® by Autodesk, Inc. v2023 Friday, 03 / 3 / 2023

Hyd. No. 2

BMP B1 - EAST

Hydrograph type	= Reservoir	Peak discharge	= 5.692 cfs
Storm frequency	= 100 yrs	Time to peak	= 4.08 hrs
Time interval	= 5 min	Hyd. volume	= 7,880 cuft
Inflow hyd. No.	= 1 - BMP B1 - EAST	Max. Elevation	= 541.35 ft
Reservoir name	= BMP B1 - EAST	Max. Storage	= 996 cuft

Storage Indication method used.



Pond Report

Pond No. 1 - BMP B1 - EAST

Pond Data

Contours -User-defined contour areas. Conic method used for volume calculation. Begining Elevation = 540.00 ft

Stage / Storage Table

Stage (ft)	Elevation (ft)	Contour area (sqft)	Incr. Storage (cuft)	Total storage (cuft)
0.00	540.00	735	0	0
0.50	540.50	735	367	367
1.00	541.00	735	367	735
1.50	541.50	735	367	1,102
2.00	542.00	735	367	1,470

Culvert / Orifice Structures

	[A]	[B]	[C]	[PrfRsr]
Rise (in)	= 30.00	2.00	0.00	0.00
Span (in)	= 30.00	2.00	0.00	0.00
No. Barrels	= 1	1	0	0
Invert El. (ft)	= 540.00	540.01	0.00	0.00
Length (ft)	= 14.70	0.00	0.00	0.00
Slope (%)	= 2.00	0.00	0.00	n/a
N-Value	= .013	.013	.013	n/a
Orifice Coeff.	= 0.60	0.60	0.60	0.60
Multi-Stage	= n/a	Yes	No	No

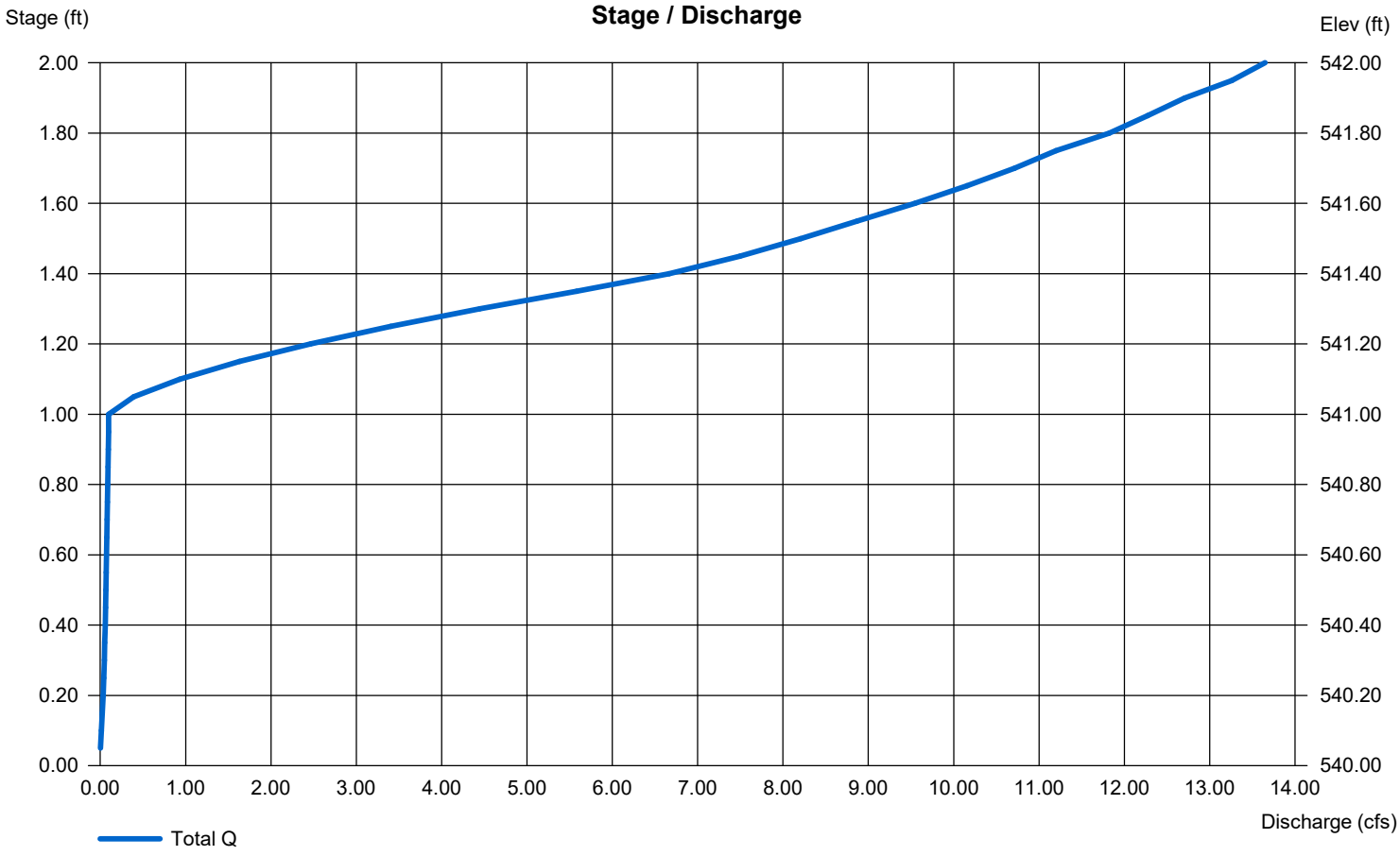
Weir Structures

	[A]	[B]	[C]	[D]
Crest Len (ft)	= 8.00	0.00	0.00	0.00
Crest El. (ft)	= 541.00	0.00	0.00	0.00
Weir Coeff.	= 3.33	3.33	3.33	3.33
Weir Type	= 1	---	---	---
Multi-Stage	= Yes	No	No	No

Exfil.(in/hr) = 0.000 (by Wet area)

TW Elev. (ft) = 0.00

Note: Culvert/Orifice outflows are analyzed under inlet (ic) and outlet (oc) control. Weir risers checked for orifice conditions (ic) and submergence (s).



Hydrograph Report

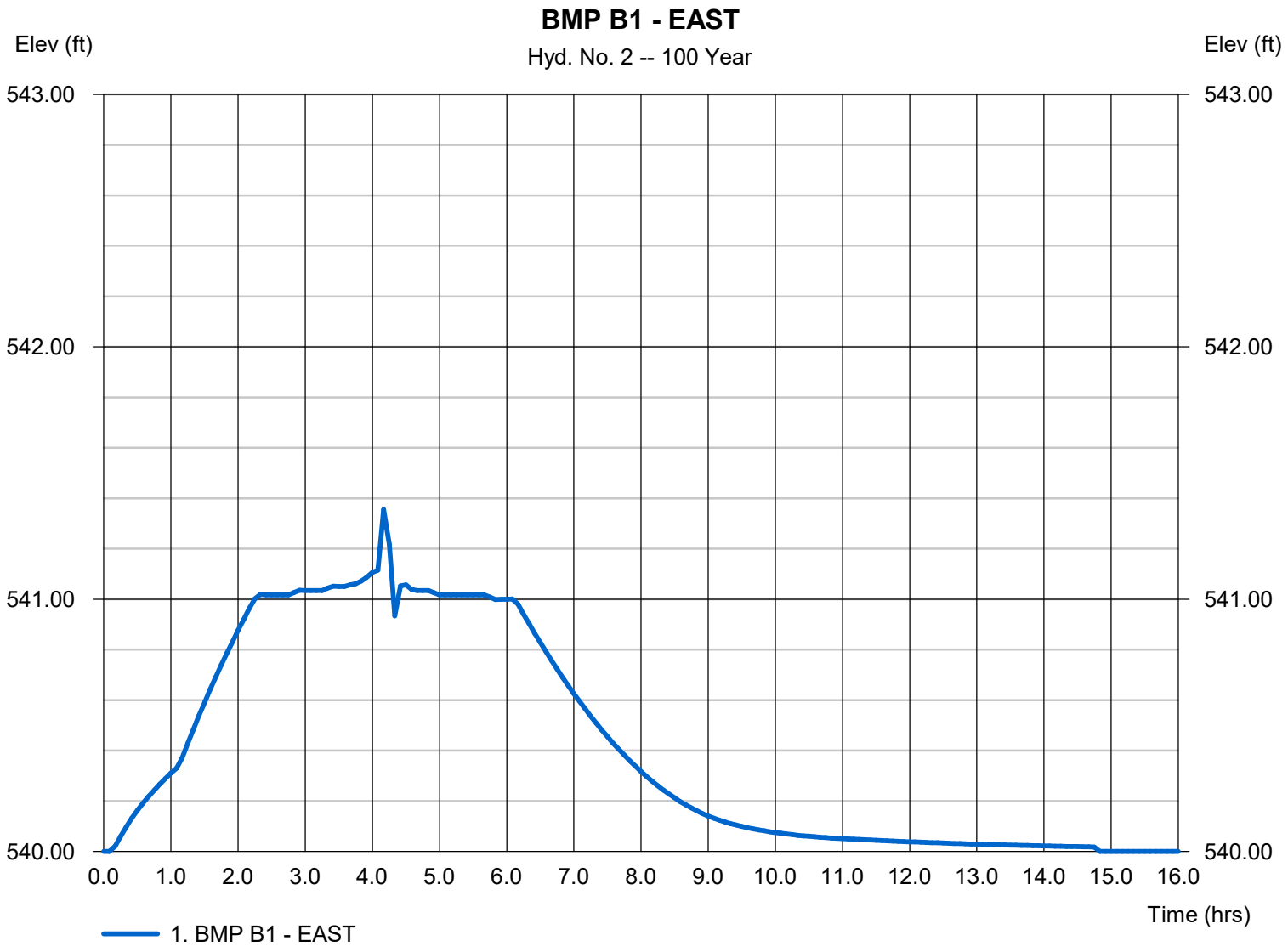
Hydraflow Hydrographs Extension for Autodesk® Civil 3D® by Autodesk, Inc. v2023 Friday, 03 / 3 / 2023

Hyd. No. 2

BMP B1 - EAST

Hydrograph type	=	Reservoir	Peak discharge	=	5.692 cfs
Storm frequency	=	100 yrs	Time to peak	=	4.08 hrs
Time interval	=	5 min	Hyd. volume	=	7,880 cuft
Inflow hyd. No.	=	1 - BMP B1 - EAST	Max. Elevation	=	541.35 ft
Reservoir name	=	BMP B1 - EAST	Max. Storage	=	996 cuft

Storage Indication method used.



BMP B2 - EAST

RATIONAL METHOD HYDROGRAPH PROGRAM
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RUN DATE 3/1/2023
HYDROGRAPH FILE NAME Text1
TIME OF CONCENTRATION 5 MIN.
6 HOUR RAINFALL 3.2 INCHES
BASIN AREA 1.8 ACRES
RUNOFF COEFFICIENT 0.82
PEAK DISCHARGE 12.62 CFS

TIME (MIN) = 0	DISCHARGE (CFS) = 0
TIME (MIN) = 5	DISCHARGE (CFS) = 0.3
TIME (MIN) = 10	DISCHARGE (CFS) = 0.3
TIME (MIN) = 15	DISCHARGE (CFS) = 0.3
TIME (MIN) = 20	DISCHARGE (CFS) = 0.3
TIME (MIN) = 25	DISCHARGE (CFS) = 0.3
TIME (MIN) = 30	DISCHARGE (CFS) = 0.3
TIME (MIN) = 35	DISCHARGE (CFS) = 0.3
TIME (MIN) = 40	DISCHARGE (CFS) = 0.3
TIME (MIN) = 45	DISCHARGE (CFS) = 0.3
TIME (MIN) = 50	DISCHARGE (CFS) = 0.3
TIME (MIN) = 55	DISCHARGE (CFS) = 0.3
TIME (MIN) = 60	DISCHARGE (CFS) = 0.3
TIME (MIN) = 65	DISCHARGE (CFS) = 0.3
TIME (MIN) = 70	DISCHARGE (CFS) = 0.3
TIME (MIN) = 75	DISCHARGE (CFS) = 0.4
TIME (MIN) = 80	DISCHARGE (CFS) = 0.4
TIME (MIN) = 85	DISCHARGE (CFS) = 0.4
TIME (MIN) = 90	DISCHARGE (CFS) = 0.4
TIME (MIN) = 95	DISCHARGE (CFS) = 0.4
TIME (MIN) = 100	DISCHARGE (CFS) = 0.4
TIME (MIN) = 105	DISCHARGE (CFS) = 0.4
TIME (MIN) = 110	DISCHARGE (CFS) = 0.4
TIME (MIN) = 115	DISCHARGE (CFS) = 0.4
TIME (MIN) = 120	DISCHARGE (CFS) = 0.4
TIME (MIN) = 125	DISCHARGE (CFS) = 0.4
TIME (MIN) = 130	DISCHARGE (CFS) = 0.5
TIME (MIN) = 135	DISCHARGE (CFS) = 0.5
TIME (MIN) = 140	DISCHARGE (CFS) = 0.5
TIME (MIN) = 145	DISCHARGE (CFS) = 0.5
TIME (MIN) = 150	DISCHARGE (CFS) = 0.5
TIME (MIN) = 155	DISCHARGE (CFS) = 0.5
TIME (MIN) = 160	DISCHARGE (CFS) = 0.5
TIME (MIN) = 165	DISCHARGE (CFS) = 0.6
TIME (MIN) = 170	DISCHARGE (CFS) = 0.6
TIME (MIN) = 175	DISCHARGE (CFS) = 0.6
TIME (MIN) = 180	DISCHARGE (CFS) = 0.7
TIME (MIN) = 185	DISCHARGE (CFS) = 0.7
TIME (MIN) = 190	DISCHARGE (CFS) = 0.7
TIME (MIN) = 195	DISCHARGE (CFS) = 0.8
TIME (MIN) = 200	DISCHARGE (CFS) = 0.8
TIME (MIN) = 205	DISCHARGE (CFS) = 0.9
TIME (MIN) = 210	DISCHARGE (CFS) = 1
TIME (MIN) = 215	DISCHARGE (CFS) = 1.1
TIME (MIN) = 220	DISCHARGE (CFS) = 1.2
TIME (MIN) = 225	DISCHARGE (CFS) = 1.5
TIME (MIN) = 230	DISCHARGE (CFS) = 1.7
TIME (MIN) = 235	DISCHARGE (CFS) = 2.5
TIME (MIN) = 240	DISCHARGE (CFS) = 3.3
TIME (MIN) = 245	DISCHARGE (CFS) = 12.62
TIME (MIN) = 250	DISCHARGE (CFS) = 2
TIME (MIN) = 255	DISCHARGE (CFS) = 1.3
TIME (MIN) = 260	DISCHARGE (CFS) = 1
TIME (MIN) = 265	DISCHARGE (CFS) = 0.9
TIME (MIN) = 270	DISCHARGE (CFS) = 0.8
TIME (MIN) = 275	DISCHARGE (CFS) = 0.7
TIME (MIN) = 280	DISCHARGE (CFS) = 0.6
TIME (MIN) = 285	DISCHARGE (CFS) = 0.6
TIME (MIN) = 290	DISCHARGE (CFS) = 0.5
TIME (MIN) = 295	DISCHARGE (CFS) = 0.5
TIME (MIN) = 300	DISCHARGE (CFS) = 0.5
TIME (MIN) = 305	DISCHARGE (CFS) = 0.4
TIME (MIN) = 310	DISCHARGE (CFS) = 0.4
TIME (MIN) = 315	DISCHARGE (CFS) = 0.4
TIME (MIN) = 320	DISCHARGE (CFS) = 0.4
TIME (MIN) = 325	DISCHARGE (CFS) = 0.4
TIME (MIN) = 330	DISCHARGE (CFS) = 0.3
TIME (MIN) = 335	DISCHARGE (CFS) = 0.3
TIME (MIN) = 340	DISCHARGE (CFS) = 0.3
TIME (MIN) = 345	DISCHARGE (CFS) = 0.3
TIME (MIN) = 350	DISCHARGE (CFS) = 0.3
TIME (MIN) = 355	DISCHARGE (CFS) = 0.3
TIME (MIN) = 360	DISCHARGE (CFS) = 0.3
TIME (MIN) = 365	DISCHARGE (CFS) = 0

Hydrograph Report

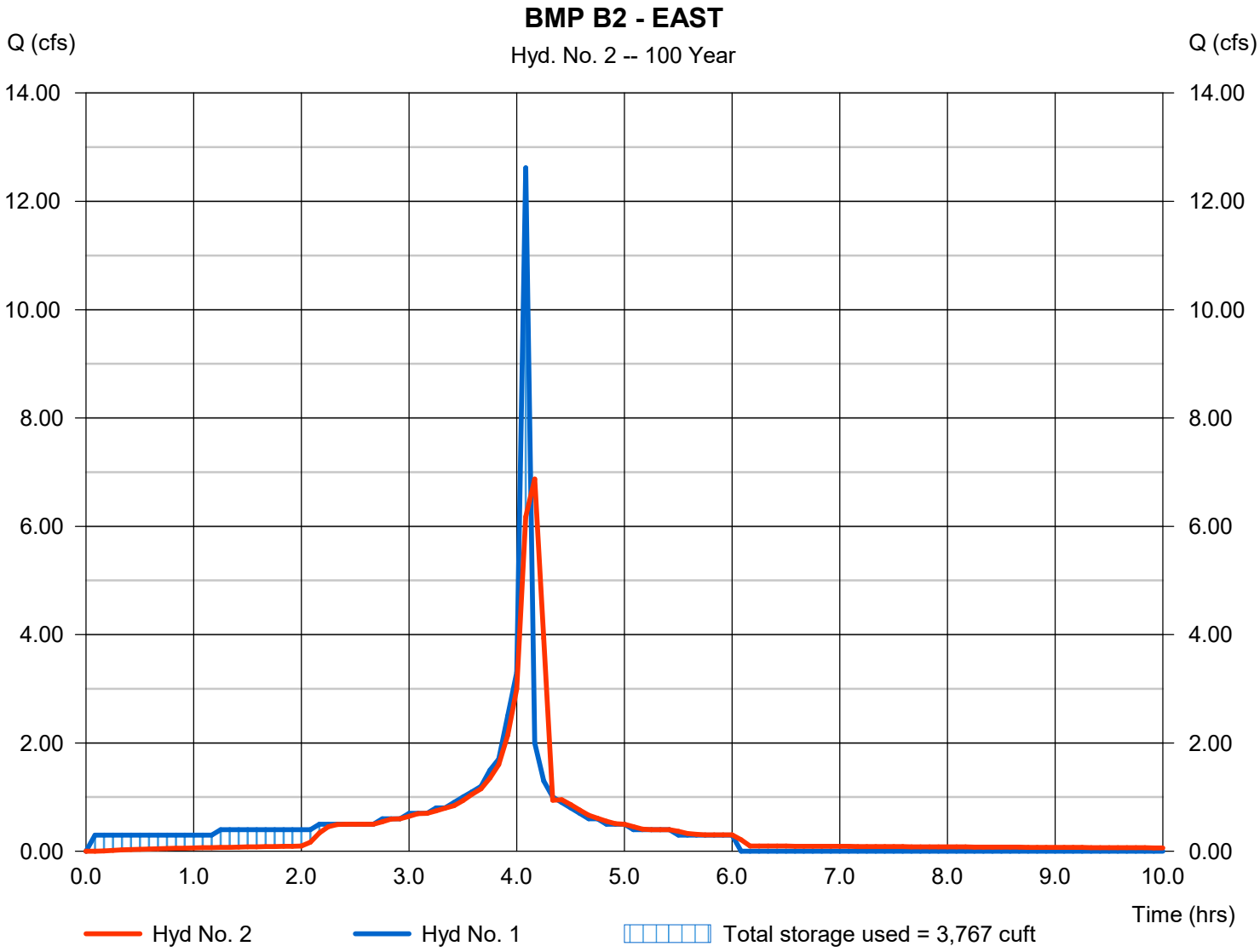
Hydraflow Hydrographs Extension for Autodesk® Civil 3D® by Autodesk, Inc. v2023 Friday, 03 / 3 / 2023

Hyd. No. 2

BMP B2 - EAST

Hydrograph type	=	Reservoir	Peak discharge	=	6.871 cfs
Storm frequency	=	100 yrs	Time to peak	=	4.17 hrs
Time interval	=	5 min	Hyd. volume	=	17,040 cuft
Inflow hyd. No.	=	1 - BMP B2 - EAST	Max. Elevation	=	543.74 ft
Reservoir name	=	BMP B2 - EAST	Max. Storage	=	3,767 cuft

Storage Indication method used.



Pond Report

Pond No. 1 - BMP B2 - EAST

Pond Data

Contours -User-defined contour areas. Conic method used for volume calculation. Begining Elevation = 541.90 ft

Stage / Storage Table

Stage (ft)	Elevation (ft)	Contour area (sqft)	Incr. Storage (cuft)	Total storage (cuft)
0.00	541.90	2,050	0	0
0.50	542.40	2,050	1,025	1,025
1.00	542.90	2,050	1,025	2,050
1.50	543.40	2,050	1,025	3,075
2.00	543.90	2,050	1,025	4,100

Culvert / Orifice Structures

	[A]	[B]	[C]	[PrfRsr]
Rise (in)	= 18.00	2.00	0.00	0.00
Span (in)	= 18.00	2.00	0.00	0.00
No. Barrels	= 1	1	0	0
Invert El. (ft)	= 541.90	541.91	0.00	0.00
Length (ft)	= 64.61	0.00	0.00	0.00
Slope (%)	= 0.50	0.00	0.00	n/a
N-Value	= .013	.013	.013	n/a
Orifice Coeff.	= 0.60	0.60	0.60	0.60
Multi-Stage	= n/a	Yes	No	No

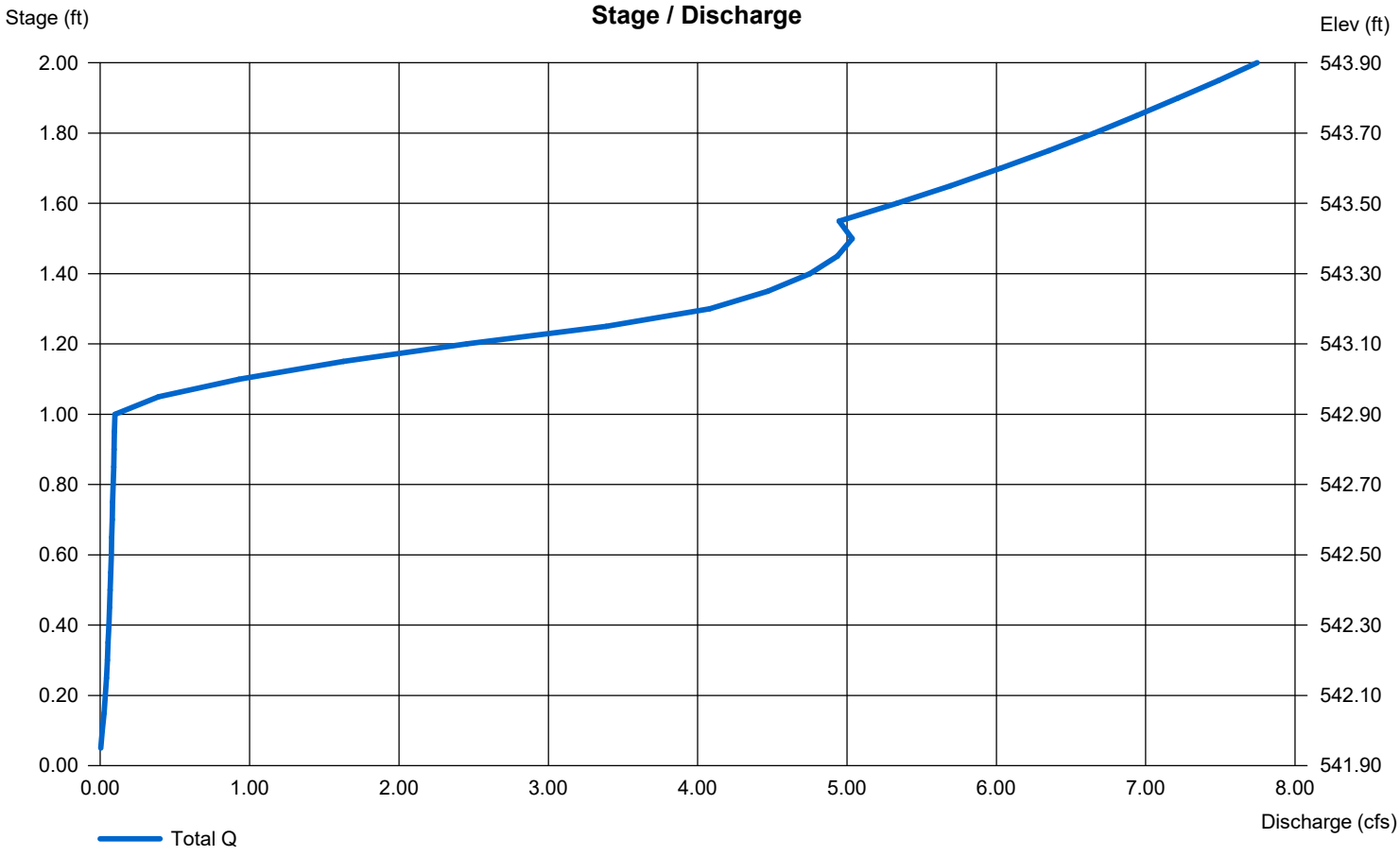
Weir Structures

	[A]	[B]	[C]	[D]
Crest Len (ft)	= 8.00	0.00	0.00	0.00
Crest El. (ft)	= 542.90	0.00	0.00	0.00
Weir Coeff.	= 3.33	3.33	3.33	3.33
Weir Type	= 1	---	---	---
Multi-Stage	= Yes	No	No	No

Exfil.(in/hr) = 0.000 (by Wet area)

TW Elev. (ft) = 0.00

Note: Culvert/Orifice outflows are analyzed under inlet (ic) and outlet (oc) control. Weir risers checked for orifice conditions (ic) and submergence (s).



Hydrograph Report

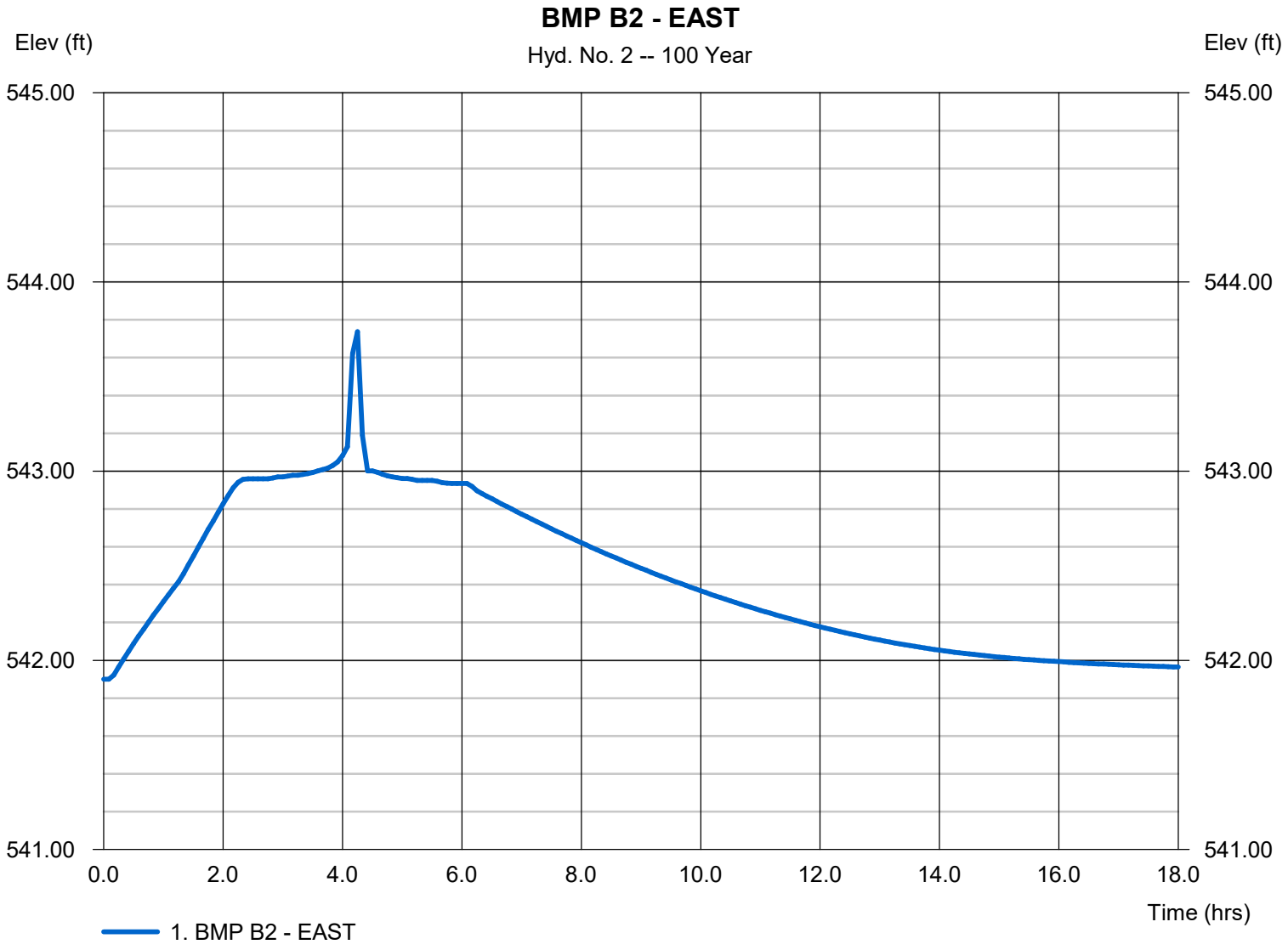
Hydraflow Hydrographs Extension for Autodesk® Civil 3D® by Autodesk, Inc. v2023 Friday, 03 / 3 / 2023

Hyd. No. 2

BMP B2 - EAST

Hydrograph type	=	Reservoir	Peak discharge	=	6.871 cfs
Storm frequency	=	100 yrs	Time to peak	=	4.17 hrs
Time interval	=	5 min	Hyd. volume	=	17,040 cuft
Inflow hyd. No.	=	1 - BMP B2 - EAST	Max. Elevation	=	543.74 ft
Reservoir name	=	BMP B2 - EAST	Max. Storage	=	3,767 cuft

Storage Indication method used.



BMP B3 - EAST

RATIONAL METHOD HYDROGRAPH PROGRAM
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RUN DATE 3/1/2023
HYDROGRAPH FILE NAME Text1
TIME OF CONCENTRATION 5 MIN.
6 HOUR RAINFALL 3.2 INCHES
BASIN AREA 0.5 ACRES
RUNOFF COEFFICIENT 0.82
PEAK DISCHARGE 3.11 CFS

TIME (MIN) = 0	DISCHARGE (CFS) = 0
TIME (MIN) = 5	DISCHARGE (CFS) = 0.1
TIME (MIN) = 10	DISCHARGE (CFS) = 0.1
TIME (MIN) = 15	DISCHARGE (CFS) = 0.1
TIME (MIN) = 20	DISCHARGE (CFS) = 0.1
TIME (MIN) = 25	DISCHARGE (CFS) = 0.1
TIME (MIN) = 30	DISCHARGE (CFS) = 0.1
TIME (MIN) = 35	DISCHARGE (CFS) = 0.1
TIME (MIN) = 40	DISCHARGE (CFS) = 0.1
TIME (MIN) = 45	DISCHARGE (CFS) = 0.1
TIME (MIN) = 50	DISCHARGE (CFS) = 0.1
TIME (MIN) = 55	DISCHARGE (CFS) = 0.1
TIME (MIN) = 60	DISCHARGE (CFS) = 0.1
TIME (MIN) = 65	DISCHARGE (CFS) = 0.1
TIME (MIN) = 70	DISCHARGE (CFS) = 0.1
TIME (MIN) = 75	DISCHARGE (CFS) = 0.1
TIME (MIN) = 80	DISCHARGE (CFS) = 0.1
TIME (MIN) = 85	DISCHARGE (CFS) = 0.1
TIME (MIN) = 90	DISCHARGE (CFS) = 0.1
TIME (MIN) = 95	DISCHARGE (CFS) = 0.1
TIME (MIN) = 100	DISCHARGE (CFS) = 0.1
TIME (MIN) = 105	DISCHARGE (CFS) = 0.1
TIME (MIN) = 110	DISCHARGE (CFS) = 0.1
TIME (MIN) = 115	DISCHARGE (CFS) = 0.1
TIME (MIN) = 120	DISCHARGE (CFS) = 0.1
TIME (MIN) = 125	DISCHARGE (CFS) = 0.1
TIME (MIN) = 130	DISCHARGE (CFS) = 0.1
TIME (MIN) = 135	DISCHARGE (CFS) = 0.1
TIME (MIN) = 140	DISCHARGE (CFS) = 0.1
TIME (MIN) = 145	DISCHARGE (CFS) = 0.1
TIME (MIN) = 150	DISCHARGE (CFS) = 0.1
TIME (MIN) = 155	DISCHARGE (CFS) = 0.1
TIME (MIN) = 160	DISCHARGE (CFS) = 0.2
TIME (MIN) = 165	DISCHARGE (CFS) = 0.2
TIME (MIN) = 170	DISCHARGE (CFS) = 0.2
TIME (MIN) = 175	DISCHARGE (CFS) = 0.2
TIME (MIN) = 180	DISCHARGE (CFS) = 0.2
TIME (MIN) = 185	DISCHARGE (CFS) = 0.2
TIME (MIN) = 190	DISCHARGE (CFS) = 0.2
TIME (MIN) = 195	DISCHARGE (CFS) = 0.2
TIME (MIN) = 200	DISCHARGE (CFS) = 0.2
TIME (MIN) = 205	DISCHARGE (CFS) = 0.3
TIME (MIN) = 210	DISCHARGE (CFS) = 0.3
TIME (MIN) = 215	DISCHARGE (CFS) = 0.3
TIME (MIN) = 220	DISCHARGE (CFS) = 0.3
TIME (MIN) = 225	DISCHARGE (CFS) = 0.4
TIME (MIN) = 230	DISCHARGE (CFS) = 0.5
TIME (MIN) = 235	DISCHARGE (CFS) = 0.7
TIME (MIN) = 240	DISCHARGE (CFS) = 1.3
TIME (MIN) = 245	DISCHARGE (CFS) = 3.11
TIME (MIN) = 250	DISCHARGE (CFS) = 0.5
TIME (MIN) = 255	DISCHARGE (CFS) = 0.4
TIME (MIN) = 260	DISCHARGE (CFS) = 0.3
TIME (MIN) = 265	DISCHARGE (CFS) = 0.2
TIME (MIN) = 270	DISCHARGE (CFS) = 0.2
TIME (MIN) = 275	DISCHARGE (CFS) = 0.2
TIME (MIN) = 280	DISCHARGE (CFS) = 0.2
TIME (MIN) = 285	DISCHARGE (CFS) = 0.2
TIME (MIN) = 290	DISCHARGE (CFS) = 0.1
TIME (MIN) = 295	DISCHARGE (CFS) = 0.1
TIME (MIN) = 300	DISCHARGE (CFS) = 0.1
TIME (MIN) = 305	DISCHARGE (CFS) = 0.1
TIME (MIN) = 310	DISCHARGE (CFS) = 0.1
TIME (MIN) = 315	DISCHARGE (CFS) = 0.1
TIME (MIN) = 320	DISCHARGE (CFS) = 0.1
TIME (MIN) = 325	DISCHARGE (CFS) = 0.1
TIME (MIN) = 330	DISCHARGE (CFS) = 0.1
TIME (MIN) = 335	DISCHARGE (CFS) = 0.1
TIME (MIN) = 340	DISCHARGE (CFS) = 0.1
TIME (MIN) = 345	DISCHARGE (CFS) = 0.1
TIME (MIN) = 350	DISCHARGE (CFS) = 0.1
TIME (MIN) = 355	DISCHARGE (CFS) = 0.1
TIME (MIN) = 360	DISCHARGE (CFS) = 0.1
TIME (MIN) = 365	DISCHARGE (CFS) = 0

Hydrograph Report

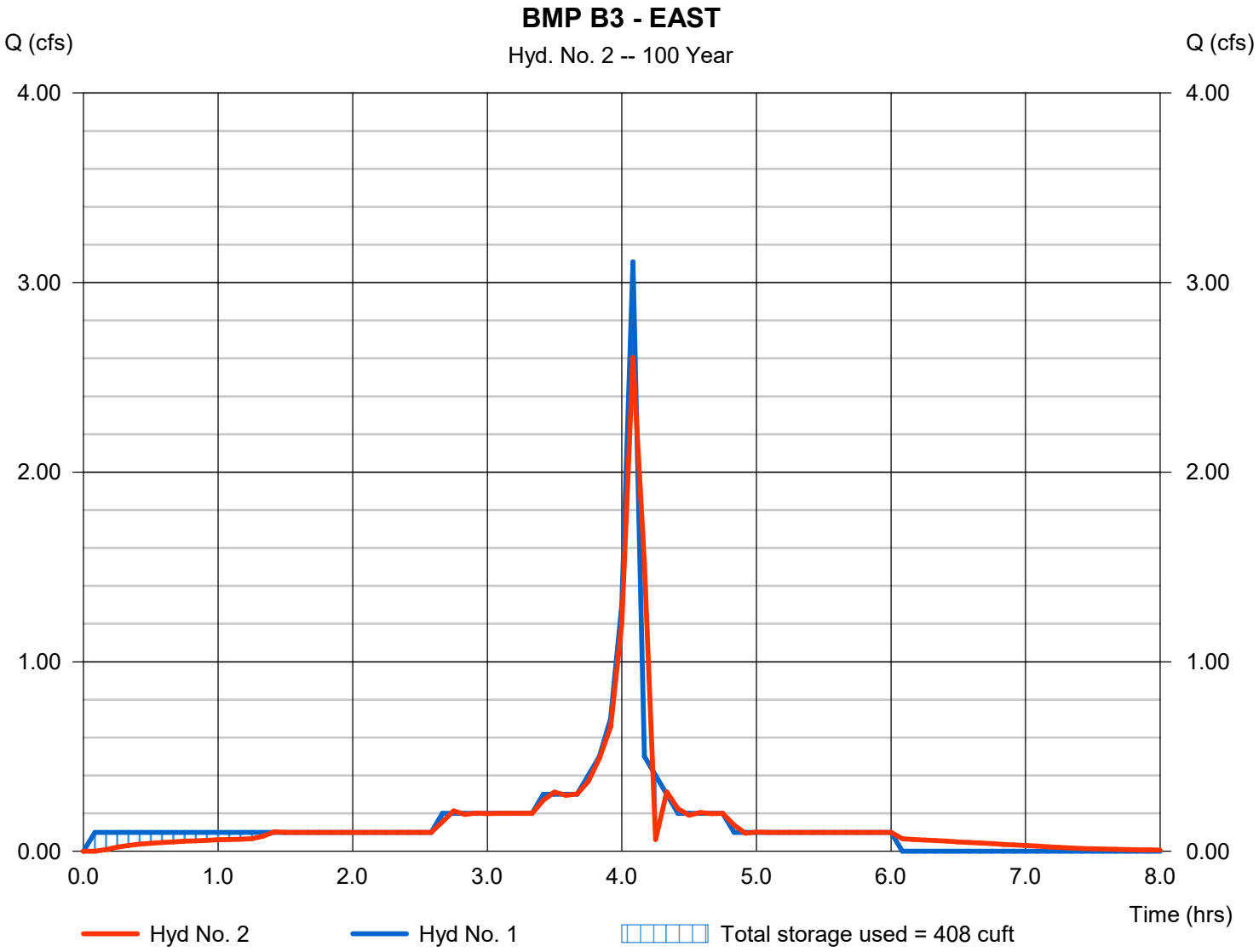
Hydraflow Hydrographs Extension for Autodesk® Civil 3D® by Autodesk, Inc. v2023 Friday, 03 / 3 / 2023

Hyd. No. 2

BMP B3 - EAST

Hydrograph type	=	Reservoir	Peak discharge	=	2.605 cfs
Storm frequency	=	100 yrs	Time to peak	=	4.08 hrs
Time interval	=	5 min	Hyd. volume	=	4,727 cuft
Inflow hyd. No.	=	1 - BMP B3 - EAST	Max. Elevation	=	542.80 ft
Reservoir name	=	BMP B3 - EAST	Max. Storage	=	408 cuft

Storage Indication method used.



Pond Report

Pond No. 1 - BMP B3 - EAST

Pond Data

Contours -User-defined contour areas. Conic method used for volume calculation. Begining Elevation = 542.00 ft

Stage / Storage Table

Stage (ft)	Elevation (ft)	Contour area (sqft)	Incr. Storage (cuft)	Total storage (cuft)
0.00	542.00	510	0	0
0.25	542.25	510	127	127
0.50	542.50	510	127	255
0.75	542.75	510	127	382
1.00	543.00	510	127	510
1.25	543.25	510	127	637
1.50	543.50	510	127	765

Culvert / Orifice Structures

	[A]	[B]	[C]	[PrfRsr]
Rise (in)	= 18.00	2.00	0.00	0.00
Span (in)	= 18.00	2.00	0.00	0.00
No. Barrels	= 1	1	0	0
Invert El. (ft)	= 542.00	542.01	0.00	0.00
Length (ft)	= 64.60	0.00	0.00	0.00
Slope (%)	= 0.50	0.00	0.00	n/a
N-Value	= .013	.013	.013	n/a
Orifice Coeff.	= 0.60	0.60	0.60	0.60
Multi-Stage	= n/a	No	No	No

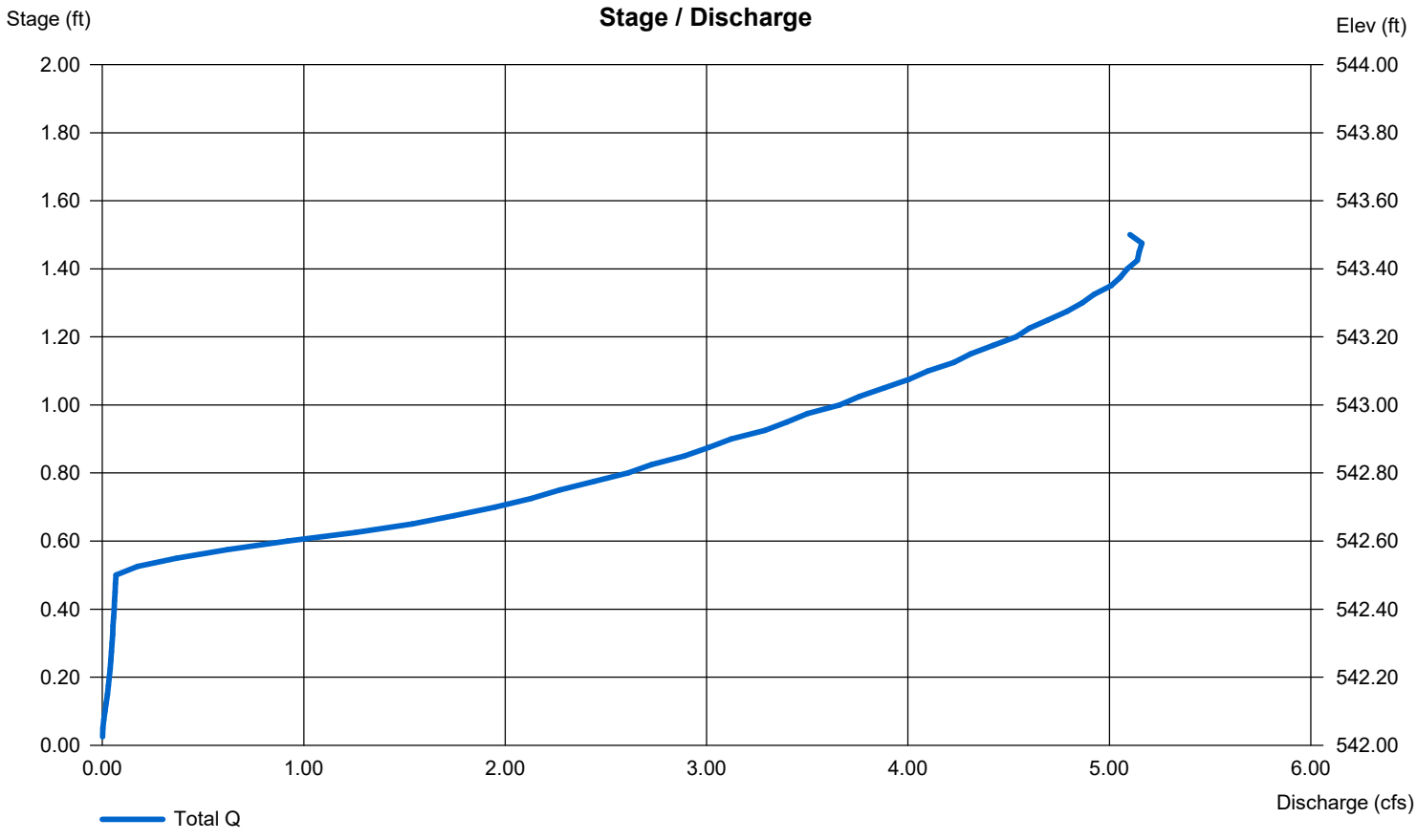
Weir Structures

	[A]	[B]	[C]	[D]
Crest Len (ft)	= 8.00	0.00	0.00	0.00
Crest El. (ft)	= 542.50	0.00	0.00	0.00
Weir Coeff.	= 3.33	3.33	3.33	3.33
Weir Type	= 1	---	---	---
Multi-Stage	= Yes	No	No	No

Exfil.(in/hr) = 0.000 (by Wet area)

TW Elev. (ft) = 0.00

Note: Culvert/Orifice outflows are analyzed under inlet (ic) and outlet (oc) control. Weir risers checked for orifice conditions (ic) and submergence (s).



Hydrograph Report

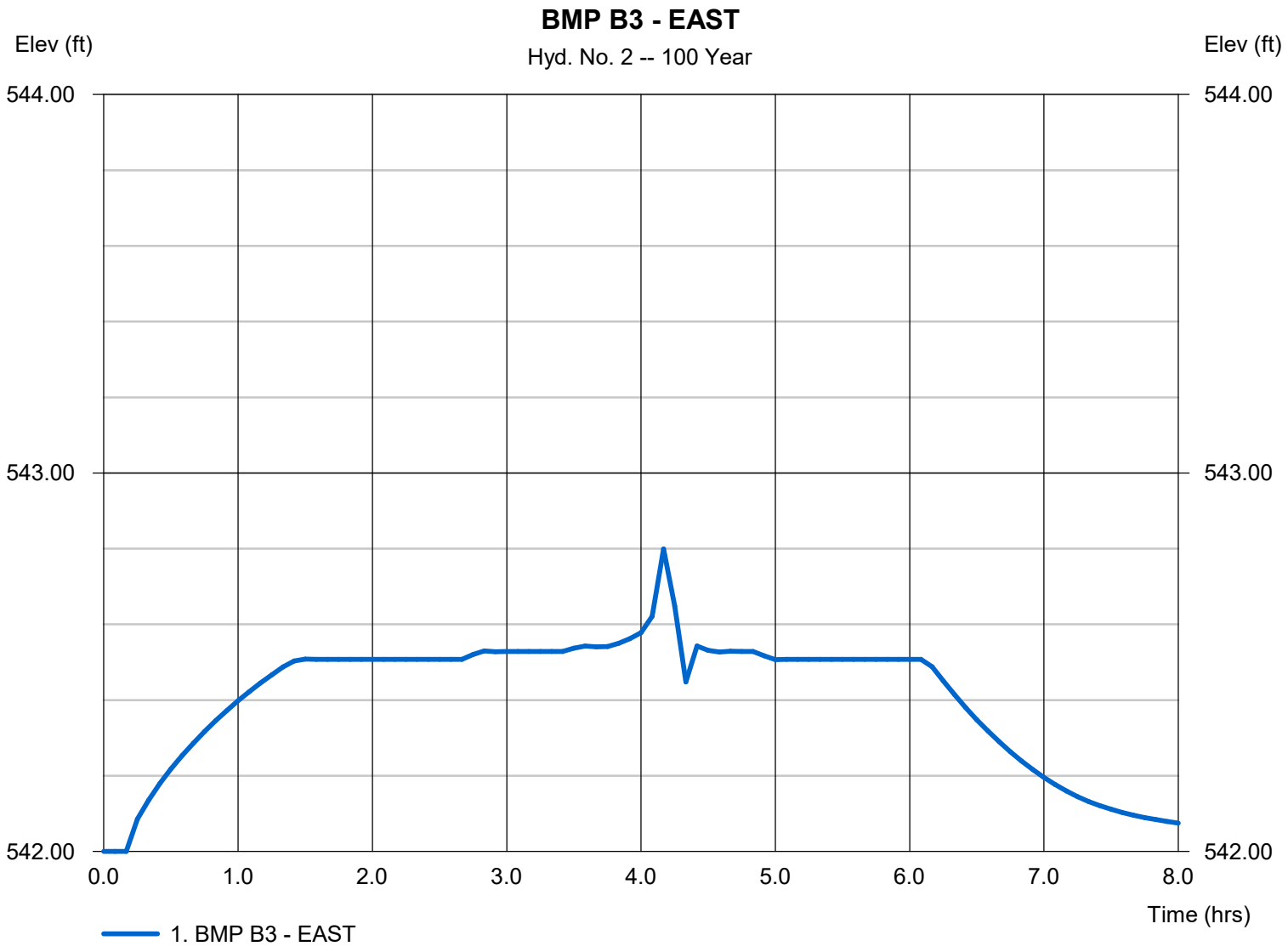
Hydraflow Hydrographs Extension for Autodesk® Civil 3D® by Autodesk, Inc. v2023 Friday, 03 / 3 / 2023

Hyd. No. 2

BMP B3 - EAST

Hydrograph type	=	Reservoir	Peak discharge	=	2.605 cfs
Storm frequency	=	100 yrs	Time to peak	=	4.08 hrs
Time interval	=	5 min	Hyd. volume	=	4,727 cuft
Inflow hyd. No.	=	1 - BMP B3 - EAST	Max. Elevation	=	542.80 ft
Reservoir name	=	BMP B3 - EAST	Max. Storage	=	408 cuft

Storage Indication method used.



BMP B4 - EAST

RATIONAL METHOD HYDROGRAPH PROGRAM
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RUN DATE 3/1/2023
HYDROGRAPH FILE NAME Text1
TIME OF CONCENTRATION 6 MIN.
6 HOUR RAINFALL 3.2 INCHES
BASIN AREA 0.8 ACRES
RUNOFF COEFFICIENT 0.81
PEAK DISCHARGE 5.28 CFS

TIME (MIN) = 0	DISCHARGE (CFS) = 0
TIME (MIN) = 6	DISCHARGE (CFS) = 0.1
TIME (MIN) = 12	DISCHARGE (CFS) = 0.1
TIME (MIN) = 18	DISCHARGE (CFS) = 0.1
TIME (MIN) = 24	DISCHARGE (CFS) = 0.1
TIME (MIN) = 30	DISCHARGE (CFS) = 0.1
TIME (MIN) = 36	DISCHARGE (CFS) = 0.1
TIME (MIN) = 42	DISCHARGE (CFS) = 0.1
TIME (MIN) = 48	DISCHARGE (CFS) = 0.1
TIME (MIN) = 54	DISCHARGE (CFS) = 0.1
TIME (MIN) = 60	DISCHARGE (CFS) = 0.1
TIME (MIN) = 66	DISCHARGE (CFS) = 0.1
TIME (MIN) = 72	DISCHARGE (CFS) = 0.2
TIME (MIN) = 78	DISCHARGE (CFS) = 0.2
TIME (MIN) = 84	DISCHARGE (CFS) = 0.2
TIME (MIN) = 90	DISCHARGE (CFS) = 0.2
TIME (MIN) = 96	DISCHARGE (CFS) = 0.2
TIME (MIN) = 102	DISCHARGE (CFS) = 0.2
TIME (MIN) = 108	DISCHARGE (CFS) = 0.2
TIME (MIN) = 114	DISCHARGE (CFS) = 0.2
TIME (MIN) = 120	DISCHARGE (CFS) = 0.2
TIME (MIN) = 126	DISCHARGE (CFS) = 0.2
TIME (MIN) = 132	DISCHARGE (CFS) = 0.2
TIME (MIN) = 138	DISCHARGE (CFS) = 0.2
TIME (MIN) = 144	DISCHARGE (CFS) = 0.2
TIME (MIN) = 150	DISCHARGE (CFS) = 0.2
TIME (MIN) = 156	DISCHARGE (CFS) = 0.2
TIME (MIN) = 162	DISCHARGE (CFS) = 0.2
TIME (MIN) = 168	DISCHARGE (CFS) = 0.3
TIME (MIN) = 174	DISCHARGE (CFS) = 0.3
TIME (MIN) = 180	DISCHARGE (CFS) = 0.3
TIME (MIN) = 186	DISCHARGE (CFS) = 0.3
TIME (MIN) = 192	DISCHARGE (CFS) = 0.3
TIME (MIN) = 198	DISCHARGE (CFS) = 0.4
TIME (MIN) = 204	DISCHARGE (CFS) = 0.4
TIME (MIN) = 210	DISCHARGE (CFS) = 0.4
TIME (MIN) = 216	DISCHARGE (CFS) = 0.5
TIME (MIN) = 222	DISCHARGE (CFS) = 0.6
TIME (MIN) = 228	DISCHARGE (CFS) = 0.7
TIME (MIN) = 234	DISCHARGE (CFS) = 1
TIME (MIN) = 240	DISCHARGE (CFS) = 0.9
TIME (MIN) = 246	DISCHARGE (CFS) = 5.28
TIME (MIN) = 252	DISCHARGE (CFS) = 0.8
TIME (MIN) = 258	DISCHARGE (CFS) = 0.5
TIME (MIN) = 264	DISCHARGE (CFS) = 0.4
TIME (MIN) = 270	DISCHARGE (CFS) = 0.3
TIME (MIN) = 276	DISCHARGE (CFS) = 0.3
TIME (MIN) = 282	DISCHARGE (CFS) = 0.3
TIME (MIN) = 288	DISCHARGE (CFS) = 0.2
TIME (MIN) = 294	DISCHARGE (CFS) = 0.2
TIME (MIN) = 300	DISCHARGE (CFS) = 0.2
TIME (MIN) = 306	DISCHARGE (CFS) = 0.2
TIME (MIN) = 312	DISCHARGE (CFS) = 0.2
TIME (MIN) = 318	DISCHARGE (CFS) = 0.2
TIME (MIN) = 324	DISCHARGE (CFS) = 0.2
TIME (MIN) = 330	DISCHARGE (CFS) = 0.2
TIME (MIN) = 336	DISCHARGE (CFS) = 0.1
TIME (MIN) = 342	DISCHARGE (CFS) = 0.1
TIME (MIN) = 348	DISCHARGE (CFS) = 0.1
TIME (MIN) = 354	DISCHARGE (CFS) = 0.1
TIME (MIN) = 360	DISCHARGE (CFS) = 0.1
TIME (MIN) = 366	DISCHARGE (CFS) = 0

Hydrograph Report

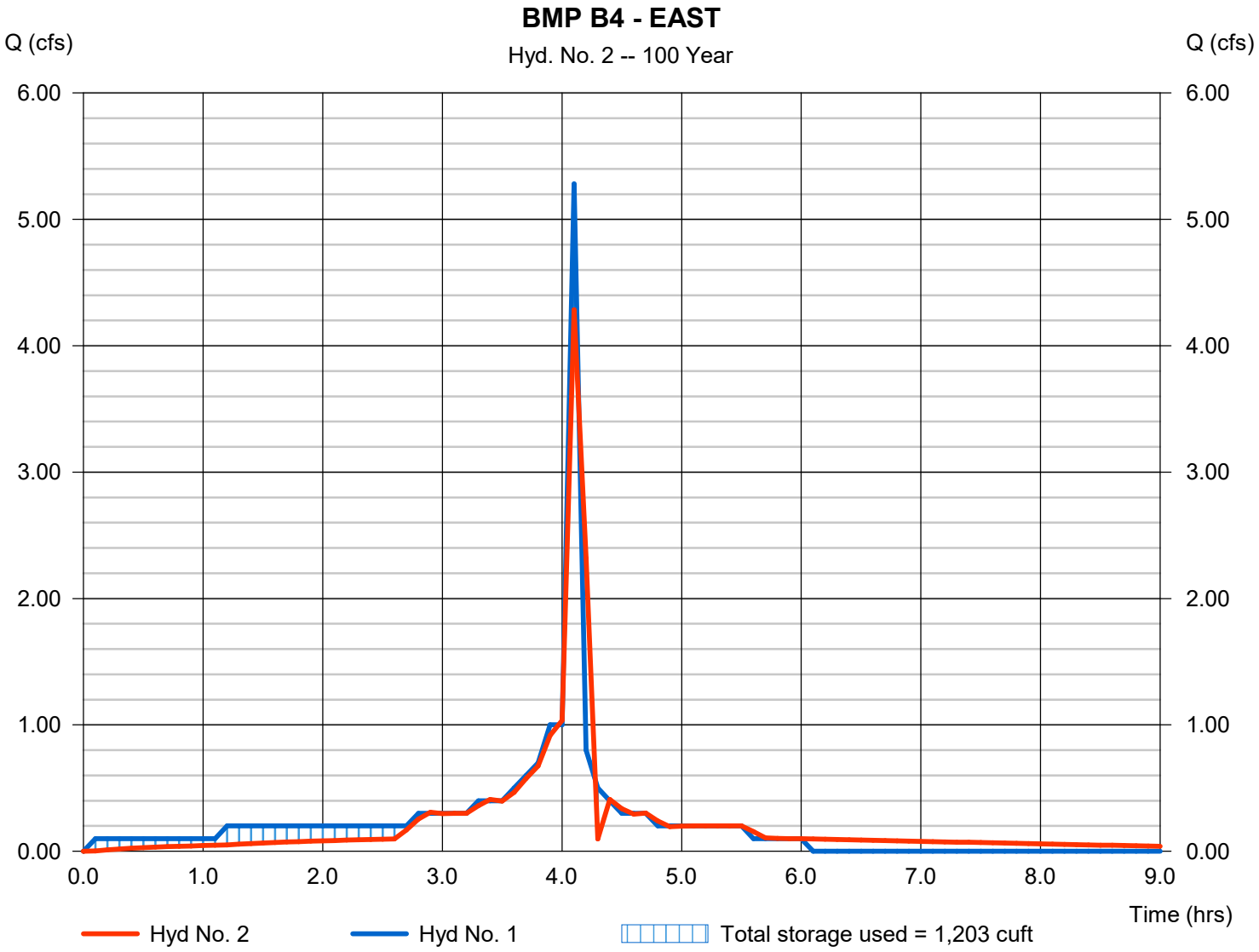
Hydraflow Hydrographs Extension for Autodesk® Civil 3D® by Autodesk, Inc. v2023 Friday, 03 / 3 / 2023

Hyd. No. 2

BMP B4 - EAST

Hydrograph type	=	Reservoir	Peak discharge	=	4.285 cfs
Storm frequency	=	100 yrs	Time to peak	=	4.10 hrs
Time interval	=	6 min	Hyd. volume	=	7,475 cuft
Inflow hyd. No.	=	1 - BMP B4 - EAST	Max. Elevation	=	543.79 ft
Reservoir name	=	BMP B4 - EAST	Max. Storage	=	1,203 cuft

Storage Indication method used.



Pond Report

Pond No. 1 - BMP B4 - EAST

Pond Data

Contours -User-defined contour areas. Conic method used for volume calculation. Begining Elevation = 542.50 ft

Stage / Storage Table

Stage (ft)	Elevation (ft)	Contour area (sqft)	Incr. Storage (cuft)	Total storage (cuft)
0.00	542.50	930	0	0
0.25	542.75	930	232	232
0.50	543.00	930	232	465
0.75	543.25	930	232	697
1.00	543.50	930	232	930
1.25	543.75	930	232	1,162
1.50	544.00	930	232	1,395
1.75	544.25	930	232	1,627
2.00	544.50	930	232	1,860

Culvert / Orifice Structures

	[A]	[B]	[C]	[PrfRsr]
Rise (in)	= 18.00	2.00	0.00	0.00
Span (in)	= 18.00	2.00	0.00	0.00
No. Barrels	= 1	1	0	0
Invert El. (ft)	= 542.50	0.00	0.00	0.00
Length (ft)	= 222.60	0.00	0.00	0.00
Slope (%)	= 0.50	0.00	0.00	n/a
N-Value	= .013	.013	.013	n/a
Orifice Coeff.	= 0.60	0.60	0.60	0.60
Multi-Stage	= n/a	Yes	No	No

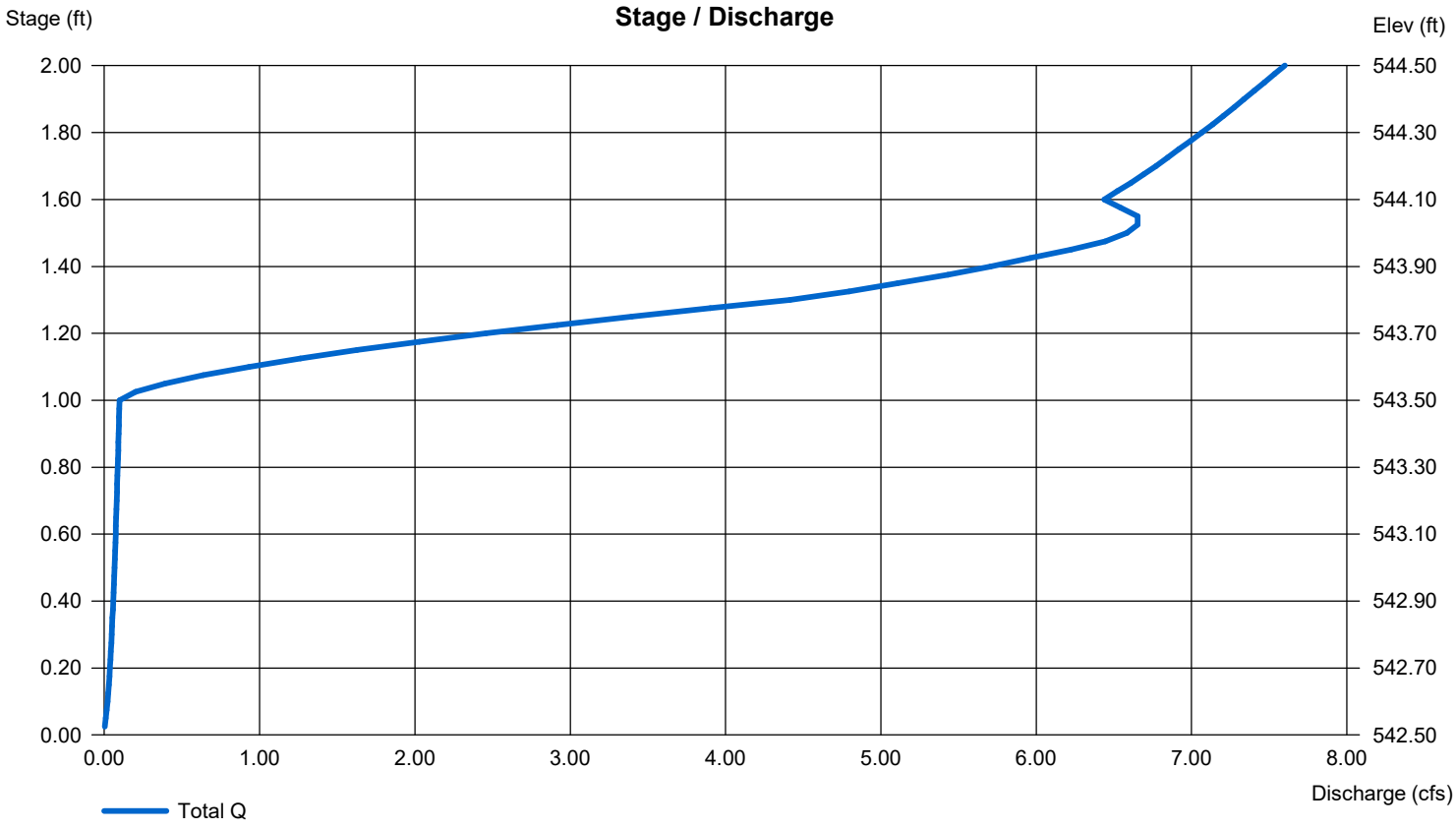
Weir Structures

	[A]	[B]	[C]	[D]
Crest Len (ft)	= 8.00	0.00	0.00	0.00
Crest El. (ft)	= 543.50	0.00	0.00	0.00
Weir Coeff.	= 3.33	3.33	3.33	3.33
Weir Type	= 1	---	---	---
Multi-Stage	= Yes	No	No	No

Exfil.(in/hr) = 0.000 (by Wet area)

TW Elev. (ft) = 0.00

Note: Culvert/Orifice outflows are analyzed under inlet (ic) and outlet (oc) control. Weir risers checked for orifice conditions (ic) and submergence (s).



Hydrograph Report

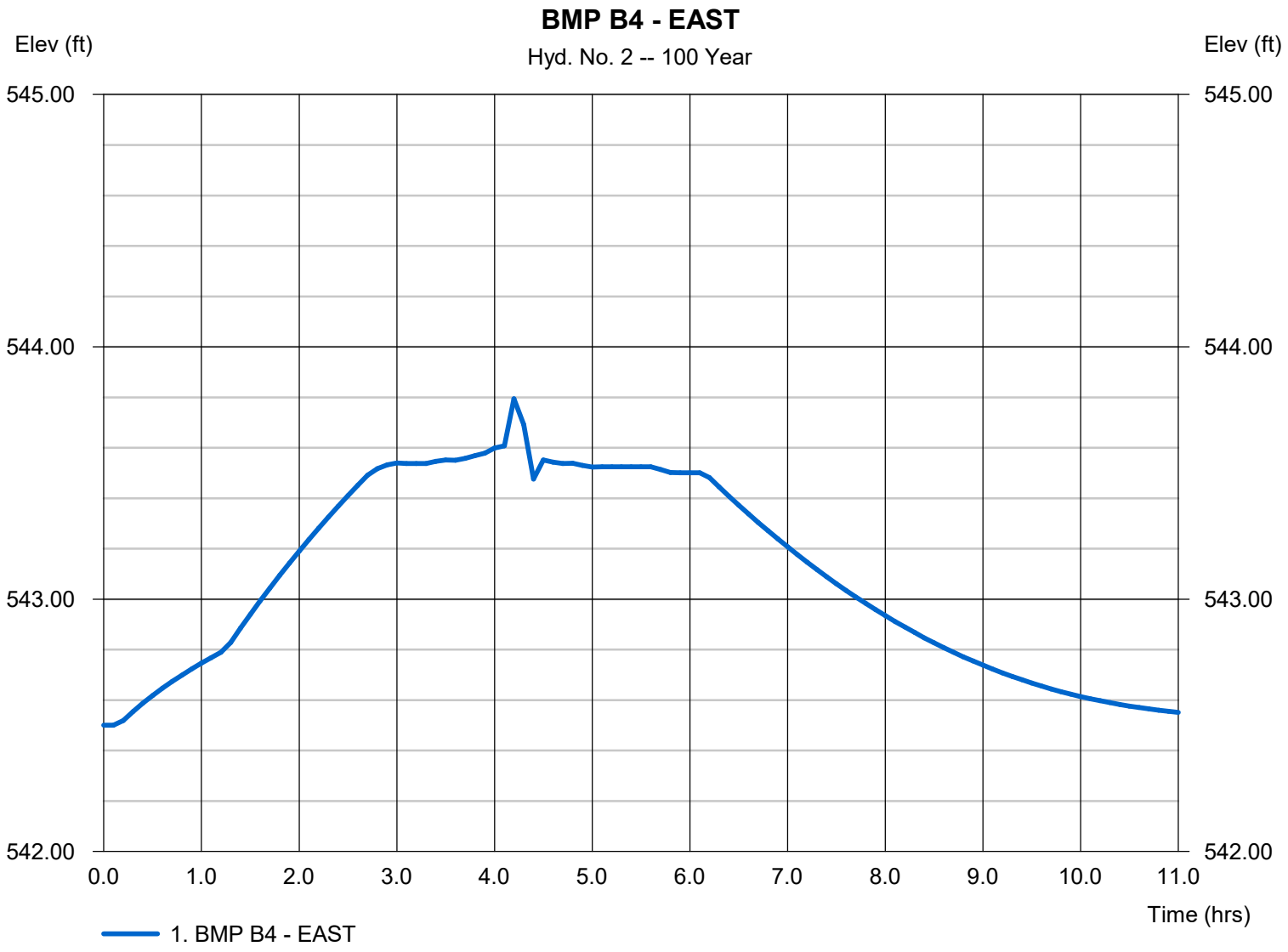
Hydraflow Hydrographs Extension for Autodesk® Civil 3D® by Autodesk, Inc. v2023 Friday, 03 / 3 / 2023

Hyd. No. 2

BMP B4 - EAST

Hydrograph type	=	Reservoir	Peak discharge	=	4.285 cfs
Storm frequency	=	100 yrs	Time to peak	=	4.10 hrs
Time interval	=	6 min	Hyd. volume	=	7,475 cuft
Inflow hyd. No.	=	1 - BMP B4 - EAST	Max. Elevation	=	543.79 ft
Reservoir name	=	BMP B4 - EAST	Max. Storage	=	1,203 cuft

Storage Indication method used.



BMP D1 - EAST

RATIONAL METHOD HYDROGRAPH PROGRAM
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RUN DATE 3/1/2023
HYDROGRAPH FILE NAME Text1
TIME OF CONCENTRATION 5 MIN.
6 HOUR RAINFALL 3.2 INCHES
BASIN AREA 1.4 ACRES
RUNOFF COEFFICIENT 0.81
PEAK DISCHARGE 9.3 CFS

TIME (MIN) = 0	DISCHARGE (CFS) = 0
TIME (MIN) = 5	DISCHARGE (CFS) = 0.2
TIME (MIN) = 10	DISCHARGE (CFS) = 0.2
TIME (MIN) = 15	DISCHARGE (CFS) = 0.2
TIME (MIN) = 20	DISCHARGE (CFS) = 0.2
TIME (MIN) = 25	DISCHARGE (CFS) = 0.2
TIME (MIN) = 30	DISCHARGE (CFS) = 0.2
TIME (MIN) = 35	DISCHARGE (CFS) = 0.2
TIME (MIN) = 40	DISCHARGE (CFS) = 0.2
TIME (MIN) = 45	DISCHARGE (CFS) = 0.2
TIME (MIN) = 50	DISCHARGE (CFS) = 0.2
TIME (MIN) = 55	DISCHARGE (CFS) = 0.3
TIME (MIN) = 60	DISCHARGE (CFS) = 0.3
TIME (MIN) = 65	DISCHARGE (CFS) = 0.3
TIME (MIN) = 70	DISCHARGE (CFS) = 0.3
TIME (MIN) = 75	DISCHARGE (CFS) = 0.3
TIME (MIN) = 80	DISCHARGE (CFS) = 0.3
TIME (MIN) = 85	DISCHARGE (CFS) = 0.3
TIME (MIN) = 90	DISCHARGE (CFS) = 0.3
TIME (MIN) = 95	DISCHARGE (CFS) = 0.3
TIME (MIN) = 100	DISCHARGE (CFS) = 0.3
TIME (MIN) = 105	DISCHARGE (CFS) = 0.3
TIME (MIN) = 110	DISCHARGE (CFS) = 0.3
TIME (MIN) = 115	DISCHARGE (CFS) = 0.3
TIME (MIN) = 120	DISCHARGE (CFS) = 0.3
TIME (MIN) = 125	DISCHARGE (CFS) = 0.3
TIME (MIN) = 130	DISCHARGE (CFS) = 0.3
TIME (MIN) = 135	DISCHARGE (CFS) = 0.4
TIME (MIN) = 140	DISCHARGE (CFS) = 0.4
TIME (MIN) = 145	DISCHARGE (CFS) = 0.4
TIME (MIN) = 150	DISCHARGE (CFS) = 0.4
TIME (MIN) = 155	DISCHARGE (CFS) = 0.4
TIME (MIN) = 160	DISCHARGE (CFS) = 0.4
TIME (MIN) = 165	DISCHARGE (CFS) = 0.4
TIME (MIN) = 170	DISCHARGE (CFS) = 0.5
TIME (MIN) = 175	DISCHARGE (CFS) = 0.5
TIME (MIN) = 180	DISCHARGE (CFS) = 0.5
TIME (MIN) = 185	DISCHARGE (CFS) = 0.5
TIME (MIN) = 190	DISCHARGE (CFS) = 0.6
TIME (MIN) = 195	DISCHARGE (CFS) = 0.6
TIME (MIN) = 200	DISCHARGE (CFS) = 0.6
TIME (MIN) = 205	DISCHARGE (CFS) = 0.7
TIME (MIN) = 210	DISCHARGE (CFS) = 0.7
TIME (MIN) = 215	DISCHARGE (CFS) = 0.9
TIME (MIN) = 220	DISCHARGE (CFS) = 0.9
TIME (MIN) = 225	DISCHARGE (CFS) = 1.1
TIME (MIN) = 230	DISCHARGE (CFS) = 1.3
TIME (MIN) = 235	DISCHARGE (CFS) = 1.9
TIME (MIN) = 240	DISCHARGE (CFS) = 2.9
TIME (MIN) = 245	DISCHARGE (CFS) = 9.3
TIME (MIN) = 250	DISCHARGE (CFS) = 1.5
TIME (MIN) = 255	DISCHARGE (CFS) = 1
TIME (MIN) = 260	DISCHARGE (CFS) = 0.8
TIME (MIN) = 265	DISCHARGE (CFS) = 0.7
TIME (MIN) = 270	DISCHARGE (CFS) = 0.6
TIME (MIN) = 275	DISCHARGE (CFS) = 0.5
TIME (MIN) = 280	DISCHARGE (CFS) = 0.5
TIME (MIN) = 285	DISCHARGE (CFS) = 0.4
TIME (MIN) = 290	DISCHARGE (CFS) = 0.4
TIME (MIN) = 295	DISCHARGE (CFS) = 0.4
TIME (MIN) = 300	DISCHARGE (CFS) = 0.4
TIME (MIN) = 305	DISCHARGE (CFS) = 0.3
TIME (MIN) = 310	DISCHARGE (CFS) = 0.3
TIME (MIN) = 315	DISCHARGE (CFS) = 0.3
TIME (MIN) = 320	DISCHARGE (CFS) = 0.3
TIME (MIN) = 325	DISCHARGE (CFS) = 0.3
TIME (MIN) = 330	DISCHARGE (CFS) = 0.3
TIME (MIN) = 335	DISCHARGE (CFS) = 0.3
TIME (MIN) = 340	DISCHARGE (CFS) = 0.2
TIME (MIN) = 345	DISCHARGE (CFS) = 0.2
TIME (MIN) = 350	DISCHARGE (CFS) = 0.2
TIME (MIN) = 355	DISCHARGE (CFS) = 0.2
TIME (MIN) = 360	DISCHARGE (CFS) = 0.2
TIME (MIN) = 365	DISCHARGE (CFS) = 0

Hydrograph Report

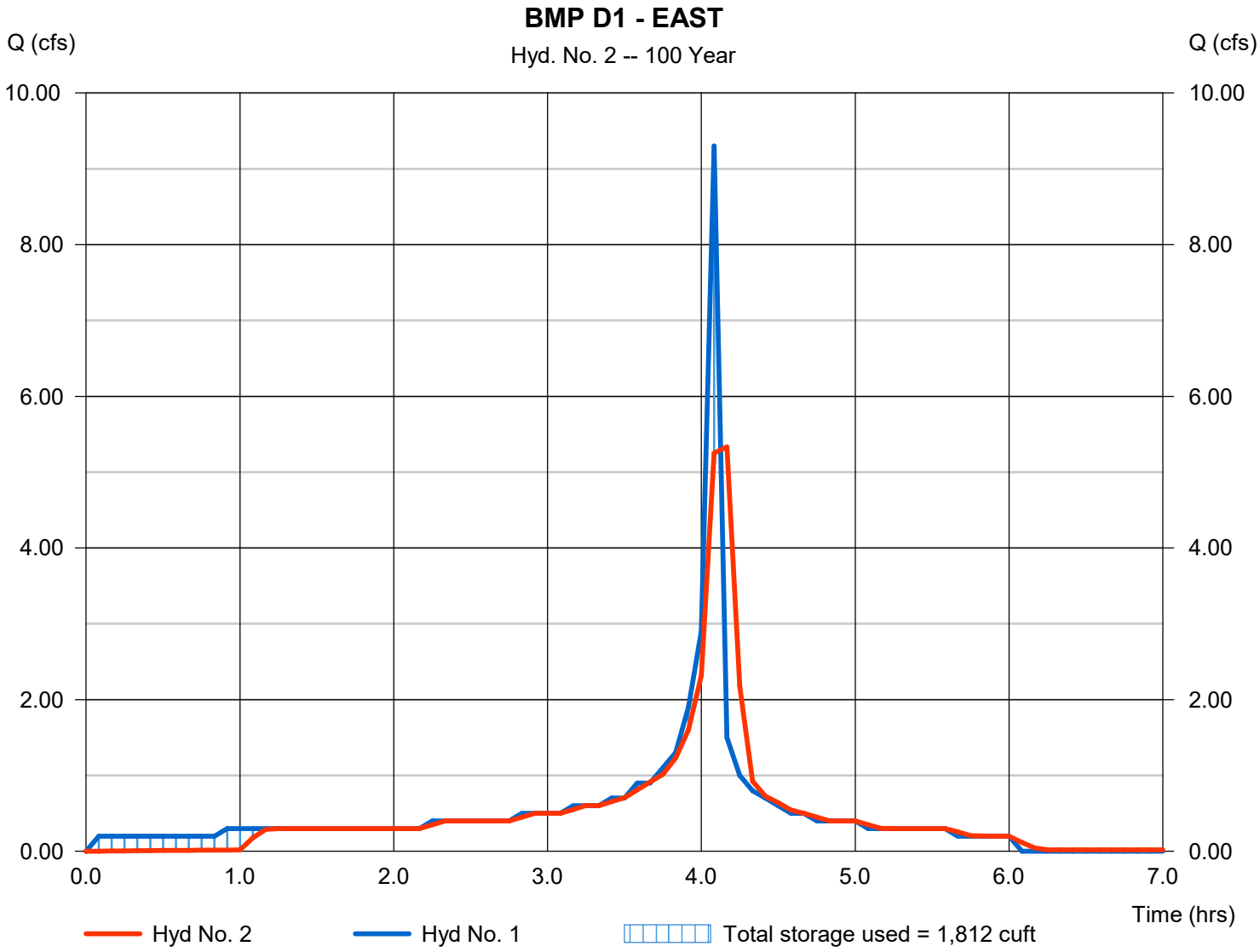
Hydraflow Hydrographs Extension for Autodesk® Civil 3D® by Autodesk, Inc. v2023 Friday, 03 / 3 / 2023

Hyd. No. 2

BMP D1 - EAST

Hydrograph type	=	Reservoir	Peak discharge	=	5.335 cfs
Storm frequency	=	100 yrs	Time to peak	=	4.17 hrs
Time interval	=	5 min	Hyd. volume	=	12,967 cuft
Inflow hyd. No.	=	1 - BMP D1 - EAST	Max. Elevation	=	540.67 ft
Reservoir name	=	BMP D1 - EAST	Max. Storage	=	1,812 cuft

Storage Indication method used.



Pond Report

Pond No. 1 - BMP D1 - EAST

Pond Data

Contours -User-defined contour areas. Conic method used for volume calculation. Begining Elevation = 539.40 ft

Stage / Storage Table

Stage (ft)	Elevation (ft)	Contour area (sqft)	Incr. Storage (cuft)	Total storage (cuft)
0.00	539.40	1,430	0	0
0.25	539.65	1,430	357	357
0.50	539.90	1,430	357	715
0.75	540.15	1,430	357	1,072
1.00	540.40	1,430	357	1,430
1.25	540.65	1,430	357	1,787
1.50	540.90	1,430	357	2,145

Culvert / Orifice Structures

	[A]	[B]	[C]	[PrfRsr]
Rise (in)	= 18.00	1.00	0.00	0.00
Span (in)	= 18.00	1.00	0.00	0.00
No. Barrels	= 1	1	0	0
Invert El. (ft)	= 539.40	539.41	0.00	0.00
Length (ft)	= 108.00	0.00	0.00	0.00
Slope (%)	= 0.50	0.00	0.00	n/a
N-Value	= .013	.013	.013	n/a
Orifice Coeff.	= 0.60	0.60	0.60	0.60
Multi-Stage	= n/a	Yes	No	No

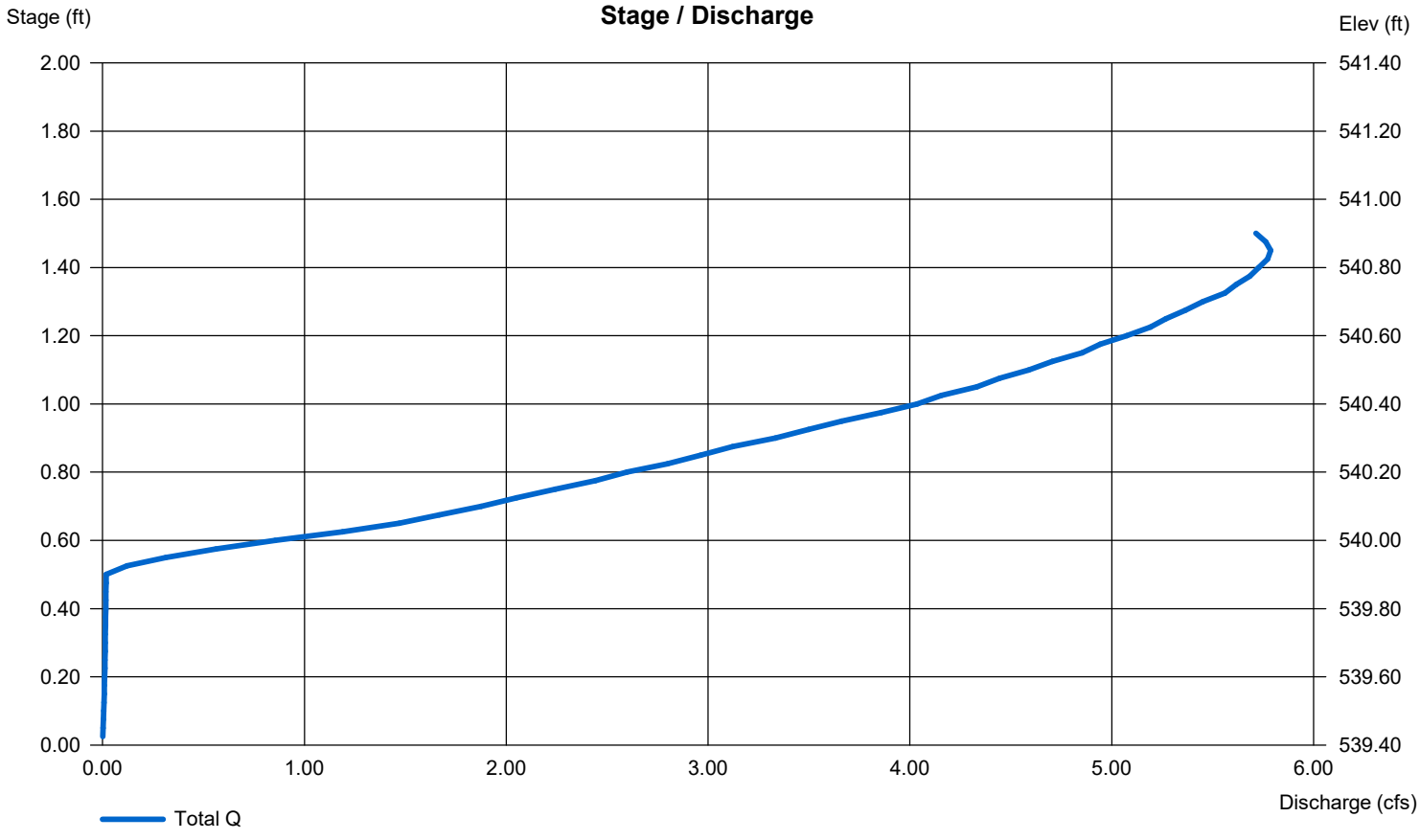
Weir Structures

	[A]	[B]	[C]	[D]
Crest Len (ft)	= 8.00	0.00	0.00	0.00
Crest El. (ft)	= 539.90	0.00	0.00	0.00
Weir Coeff.	= 3.33	3.33	3.33	3.33
Weir Type	= 1	---	---	---
Multi-Stage	= Yes	No	No	No

Exfil.(in/hr) = 0.000 (by Wet area)

TW Elev. (ft) = 0.00

Note: Culvert/Orifice outflows are analyzed under inlet (ic) and outlet (oc) control. Weir risers checked for orifice conditions (ic) and submergence (s).



Hydrograph Report

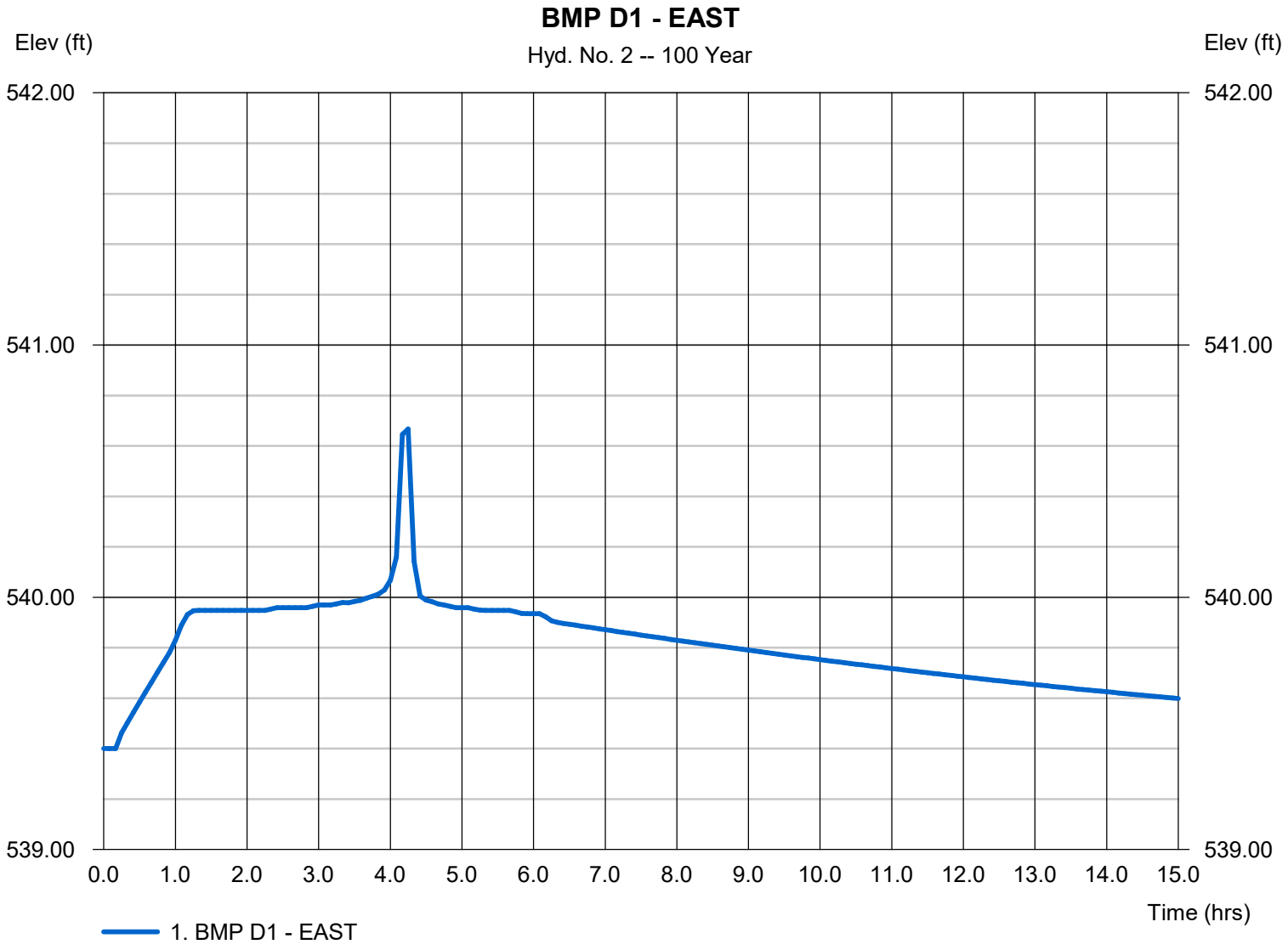
Hydraflow Hydrographs Extension for Autodesk® Civil 3D® by Autodesk, Inc. v2023 Friday, 03 / 3 / 2023

Hyd. No. 2

BMP D1 - EAST

Hydrograph type	=	Reservoir	Peak discharge	=	5.335 cfs
Storm frequency	=	100 yrs	Time to peak	=	4.17 hrs
Time interval	=	5 min	Hyd. volume	=	12,967 cuft
Inflow hyd. No.	=	1 - BMP D1 - EAST	Max. Elevation	=	540.67 ft
Reservoir name	=	BMP D1 - EAST	Max. Storage	=	1,812 cuft

Storage Indication method used.



BMP D1-DET - EAST

RATIONAL METHOD HYDROGRAPH PROGRAM
COPYRIGHT 1992, 2001 RICK ENGINEERING COMPANY

RUN DATE 3/2/2023
HYDROGRAPH FILE NAME Text1
TIME OF CONCENTRATION 6 MIN.
6 HOUR RAINFALL 3.2 INCHES
BASIN AREA 1.4 ACRES
RUNOFF COEFFICIENT 0.81
PEAK DISCHARGE 5.34 CFS

TIME (MIN) = 0	DISCHARGE (CFS) = 0
TIME (MIN) = 6	DISCHARGE (CFS) = 0.2
TIME (MIN) = 12	DISCHARGE (CFS) = 0.2
TIME (MIN) = 18	DISCHARGE (CFS) = 0.2
TIME (MIN) = 24	DISCHARGE (CFS) = 0.2
TIME (MIN) = 30	DISCHARGE (CFS) = 0.2
TIME (MIN) = 36	DISCHARGE (CFS) = 0.2
TIME (MIN) = 42	DISCHARGE (CFS) = 0.2
TIME (MIN) = 48	DISCHARGE (CFS) = 0.2
TIME (MIN) = 54	DISCHARGE (CFS) = 0.3
TIME (MIN) = 60	DISCHARGE (CFS) = 0.3
TIME (MIN) = 66	DISCHARGE (CFS) = 0.3
TIME (MIN) = 72	DISCHARGE (CFS) = 0.3
TIME (MIN) = 78	DISCHARGE (CFS) = 0.3
TIME (MIN) = 84	DISCHARGE (CFS) = 0.3
TIME (MIN) = 90	DISCHARGE (CFS) = 0.3
TIME (MIN) = 96	DISCHARGE (CFS) = 0.3
TIME (MIN) = 102	DISCHARGE (CFS) = 0.3
TIME (MIN) = 108	DISCHARGE (CFS) = 0.3
TIME (MIN) = 114	DISCHARGE (CFS) = 0.3
TIME (MIN) = 120	DISCHARGE (CFS) = 0.3
TIME (MIN) = 126	DISCHARGE (CFS) = 0.3
TIME (MIN) = 132	DISCHARGE (CFS) = 0.3
TIME (MIN) = 138	DISCHARGE (CFS) = 0.4
TIME (MIN) = 144	DISCHARGE (CFS) = 0.4
TIME (MIN) = 150	DISCHARGE (CFS) = 0.4
TIME (MIN) = 156	DISCHARGE (CFS) = 0.4
TIME (MIN) = 162	DISCHARGE (CFS) = 0.4
TIME (MIN) = 168	DISCHARGE (CFS) = 0.4
TIME (MIN) = 174	DISCHARGE (CFS) = 0.5
TIME (MIN) = 180	DISCHARGE (CFS) = 0.5
TIME (MIN) = 186	DISCHARGE (CFS) = 0.5
TIME (MIN) = 192	DISCHARGE (CFS) = 0.6
TIME (MIN) = 198	DISCHARGE (CFS) = 0.6
TIME (MIN) = 204	DISCHARGE (CFS) = 0.7
TIME (MIN) = 210	DISCHARGE (CFS) = 0.8
TIME (MIN) = 216	DISCHARGE (CFS) = 0.8
TIME (MIN) = 222	DISCHARGE (CFS) = 1
TIME (MIN) = 228	DISCHARGE (CFS) = 1.1
TIME (MIN) = 234	DISCHARGE (CFS) = 1.7
TIME (MIN) = 240	DISCHARGE (CFS) = 5.5
TIME (MIN) = 246	DISCHARGE (CFS) = 5.34
TIME (MIN) = 252	DISCHARGE (CFS) = 1.3
TIME (MIN) = 258	DISCHARGE (CFS) = 0.9
TIME (MIN) = 264	DISCHARGE (CFS) = 0.7
TIME (MIN) = 270	DISCHARGE (CFS) = 0.6
TIME (MIN) = 276	DISCHARGE (CFS) = 0.5
TIME (MIN) = 282	DISCHARGE (CFS) = 0.5
TIME (MIN) = 288	DISCHARGE (CFS) = 0.4
TIME (MIN) = 294	DISCHARGE (CFS) = 0.4
TIME (MIN) = 300	DISCHARGE (CFS) = 0.4
TIME (MIN) = 306	DISCHARGE (CFS) = 0.3
TIME (MIN) = 312	DISCHARGE (CFS) = 0.3
TIME (MIN) = 318	DISCHARGE (CFS) = 0.3
TIME (MIN) = 324	DISCHARGE (CFS) = 0.3
TIME (MIN) = 330	DISCHARGE (CFS) = 0.3
TIME (MIN) = 336	DISCHARGE (CFS) = 0.3
TIME (MIN) = 342	DISCHARGE (CFS) = 0.2
TIME (MIN) = 348	DISCHARGE (CFS) = 0.2
TIME (MIN) = 354	DISCHARGE (CFS) = 0.2
TIME (MIN) = 360	DISCHARGE (CFS) = 0.2
TIME (MIN) = 366	DISCHARGE (CFS) = 0

Hydrograph Report

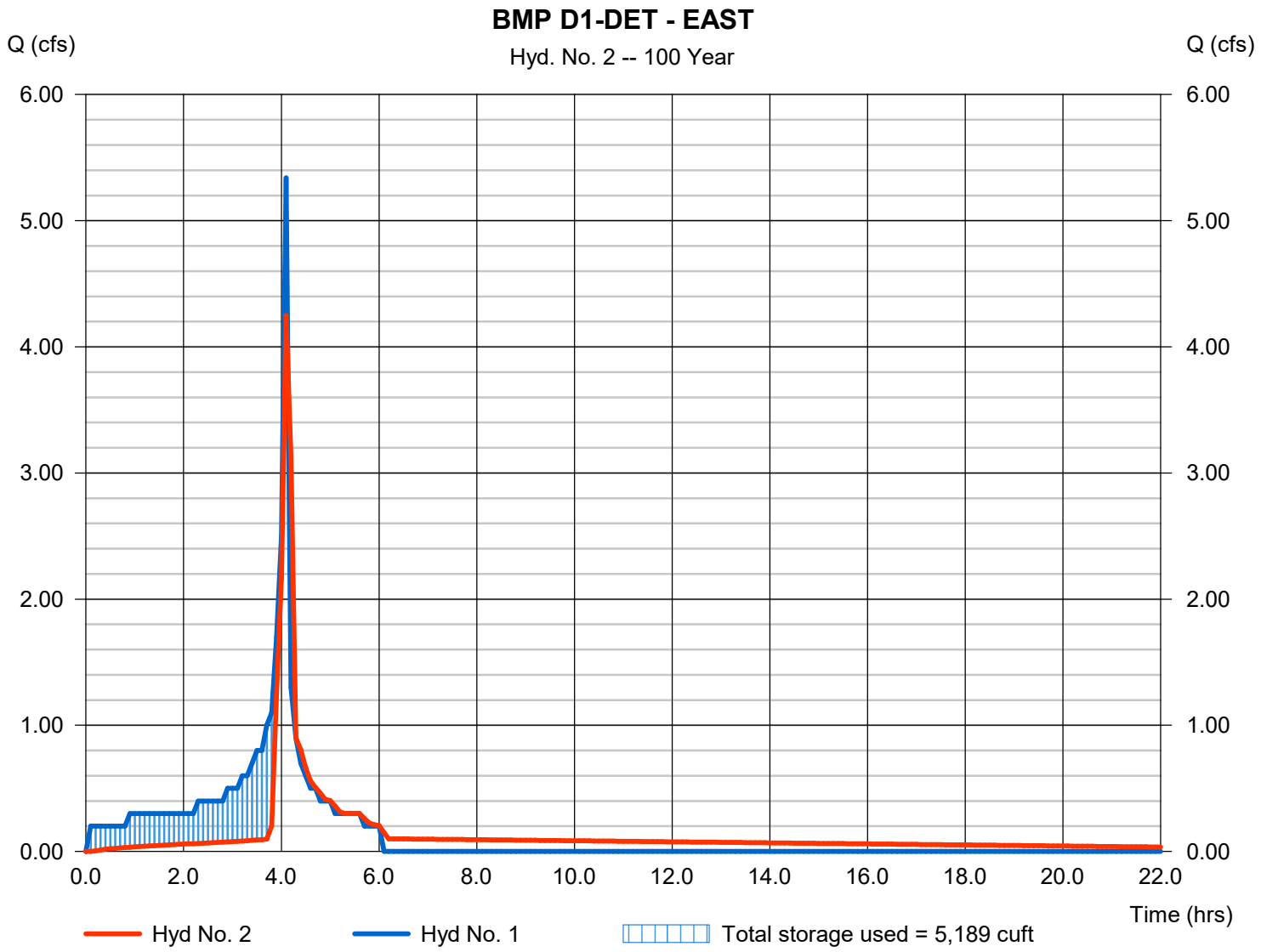
Hydraflow Hydrographs Extension for Autodesk® Civil 3D® by Autodesk, Inc. v2023 Friday, 03 / 3 / 2023

Hyd. No. 2

BMP D1-DET - EAST

Hydrograph type	=	Reservoir	Peak discharge	=	4.248 cfs
Storm frequency	=	100 yrs	Time to peak	=	4.10 hrs
Time interval	=	6 min	Hyd. volume	=	11,898 cuft
Inflow hyd. No.	=	1 - BMP D-1 DET - EAST	Max. Elevation	=	538.60 ft
Reservoir name	=	BMP D1 DET - EAST	Max. Storage	=	5,189 cuft

Storage Indication method used.



Pond Report

Pond No. 1 - BMP D1 DET - EAST

Pond Data

Contours -User-defined contour areas. Conic method used for volume calculation. Begining Elevation = 535.14 ft

Stage / Storage Table

Stage (ft)	Elevation (ft)	Contour area (sqft)	Incr. Storage (cuft)	Total storage (cuft)
0.00	535.14	1,500	0	0
0.50	535.64	1,500	750	750
1.00	536.14	1,500	750	1,500
1.50	536.64	1,500	750	2,250
2.00	537.14	1,500	750	3,000
2.50	537.64	1,500	750	3,750
3.00	538.14	1,500	750	4,500
3.50	538.64	1,500	750	5,249
4.00	539.14	1,500	750	5,999

Culvert / Orifice Structures

	[A]	[B]	[C]	[PrfRsr]
Rise (in)	= 18.00	1.50	Inactive	0.00
Span (in)	= 18.00	1.50	6.00	0.00
No. Barrels	= 2	1	1	0
Invert El. (ft)	= 535.14	535.15	537.64	0.00
Length (ft)	= 58.00	0.00	0.00	0.00
Slope (%)	= 0.75	0.00	0.00	n/a
N-Value	= .013	.013	.013	n/a
Orifice Coeff.	= 0.60	0.60	0.60	0.60
Multi-Stage	= n/a	Yes	Yes	No

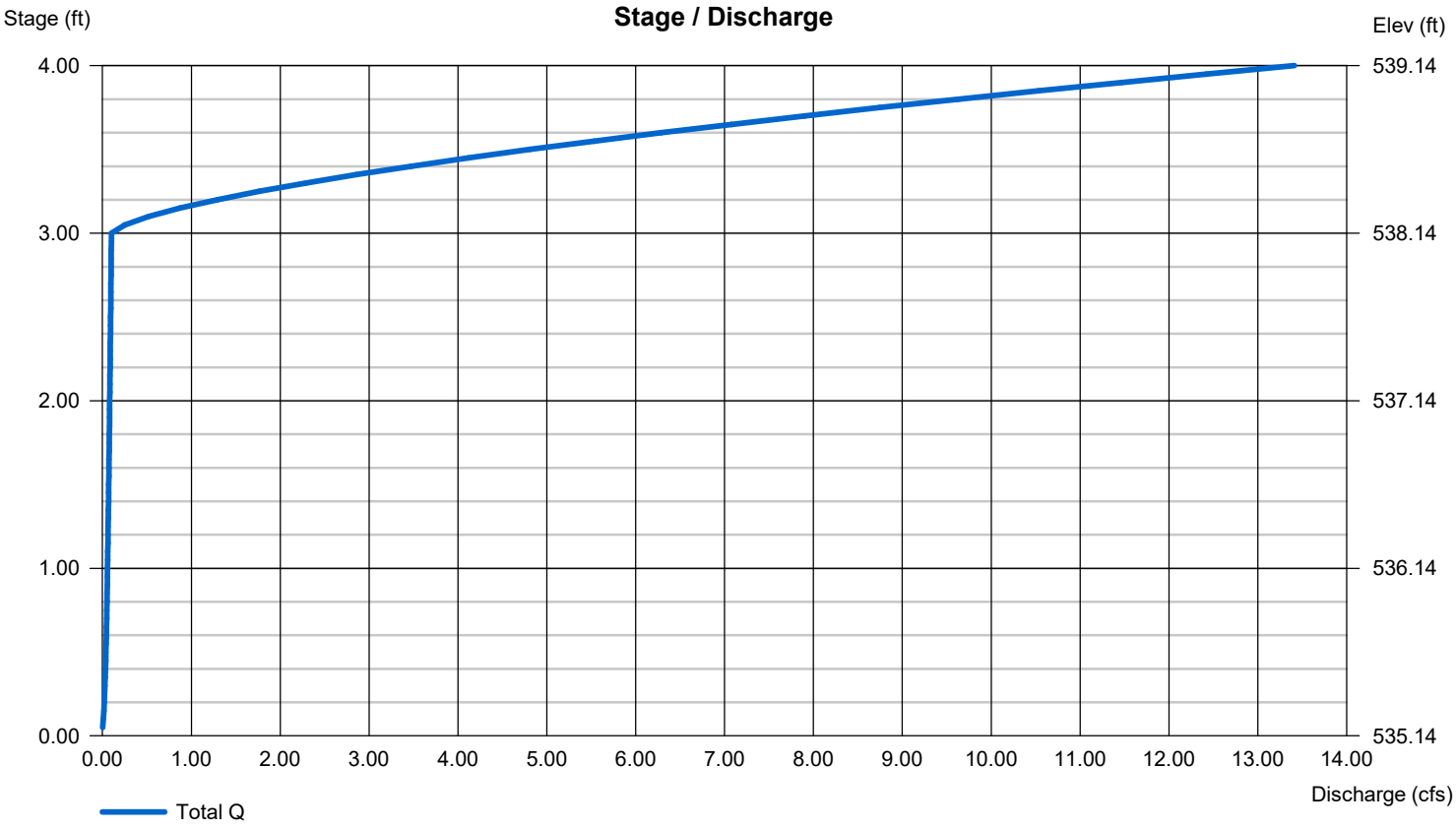
Weir Structures

	[A]	[B]	[C]	[D]
Crest Len (ft)	= 4.00	0.00	0.00	0.00
Crest El. (ft)	= 538.14	0.00	0.00	0.00
Weir Coeff.	= 3.33	3.33	3.33	3.33
Weir Type	= Rect	---	---	---
Multi-Stage	= Yes	No	No	No

Exfil.(in/hr) = 0.000 (by Contour)

TW Elev. (ft) = 0.00

Note: Culvert/Orifice outflows are analyzed under inlet (ic) and outlet (oc) control. Weir risers checked for orifice conditions (ic) and submergence (s).



Hydrograph Report

Hydraflow Hydrographs Extension for Autodesk® Civil 3D® by Autodesk, Inc. v2023 Friday, 03 / 3 / 2023

Hyd. No. 2

BMP D1-DET - EAST

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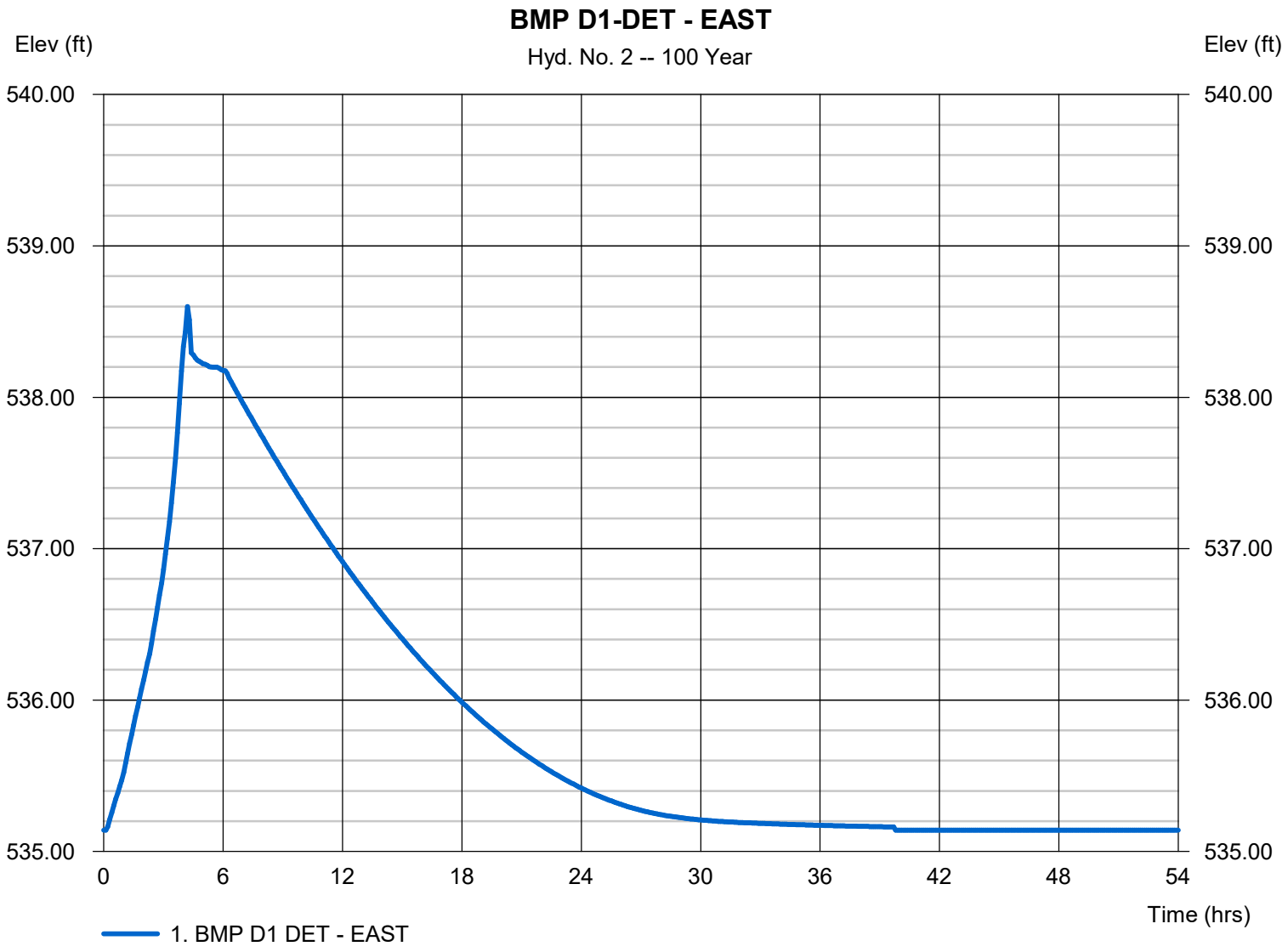
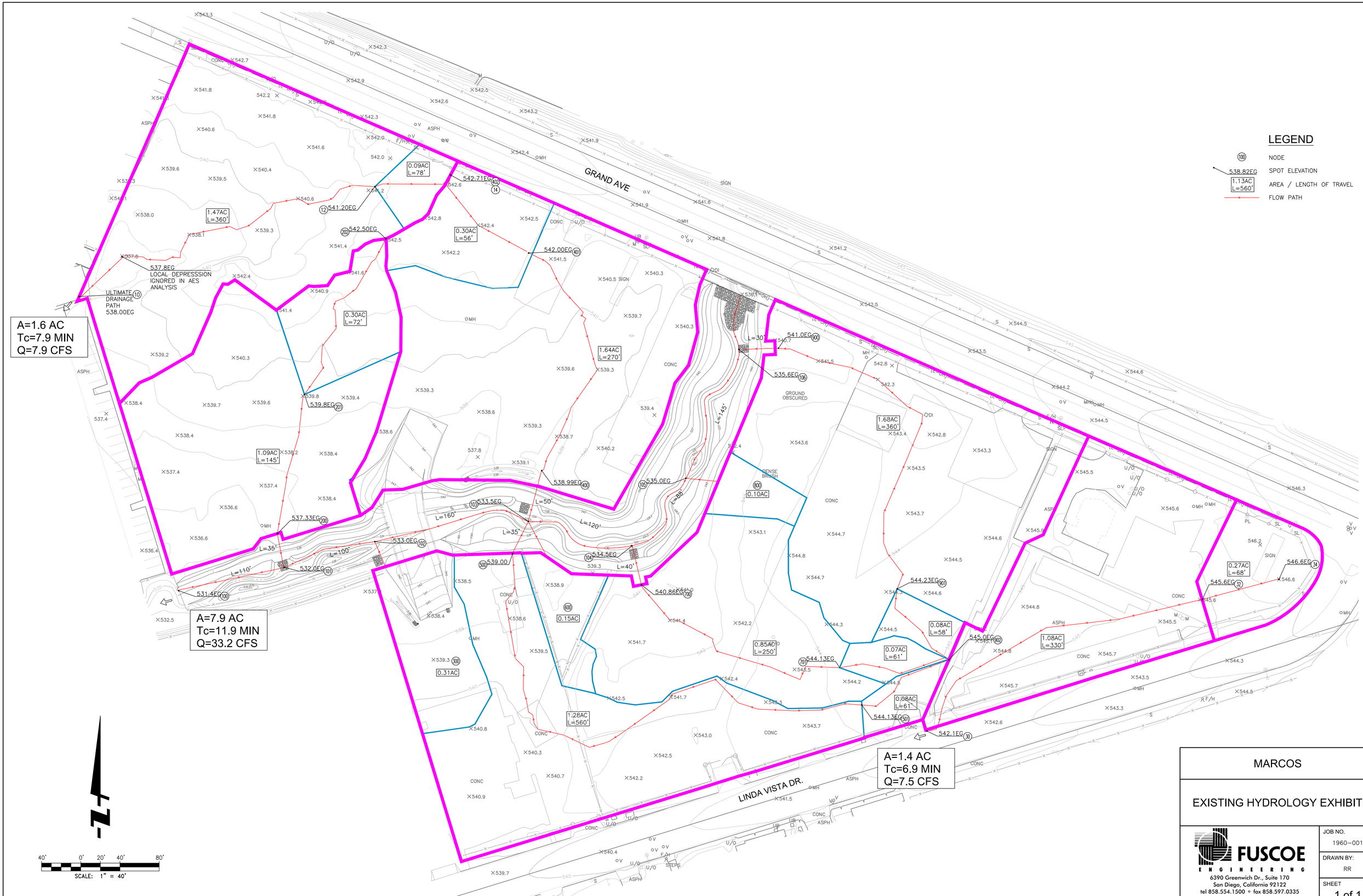
Storm frequency	= 100 yrs	Time to peak	= 4.10 hrs
Time interval	= 6 min	Hyd. volume	= 11,898 cuft
Inflow hyd. No.	= 1 - BMP D-1 DET - EAST	Max. Elevation	= 538.60 ft
Reservoir name	= BMP D1 DET - EAST	Max. Storage	= 5,189 cuft

Storage Indication method used.



APPENDIX 6: EXISTING AND PROPOSED HYDROLOGY EXHIBITS



MARCOS

EXISTING HYDROLOGY EXHIBIT

FUSCOE ENGINEERING
6390 Greenwich Dr., Suite 170
San Diego, California 92122
tel 858.554.1500 ◦ fax 858.597.0335
www.fuscoe.com

JOB NO. 1960-001

DRAWN BY: RR

SHEET 1 of 1

F:\PROJECTS\1960\001_SUPPORT FILES\REPORTS\HYDROLOGY\EXISTING HYDROLOGY EXHIBIT.DWG (03-03-2023 10:19:36AM) Plotted by: RRoberts

LEGEND

(100)	NODE
538.82EG	SPOT ELEVATION
1.13AC L=560'	AREA / LENGTH OF TRAVEL
←	LONGEST FLOW PATH

DATUM NOTE

ELEVATIONS SHOWN HEREON ARE PER NGVD 29 DATUM. CONVERSION TO NAVD 88 DATUM IS +2.31 FT.

AFTER DETENTION

A=10.7 AC
Tc=9.5 MIN
Q=33.2 CFS

SCALE: 1" = 40'

MARCOS	
PROPOSED HYDROLOGY EXHIBIT	
FUSCOE ENGINEERING 6390 Greenwich Dr., Suite 170 San Diego, California 92122 tel 858.554.1500 ◦ fax 858.597.0335 www.fuscoe.com	JOB NO. 1960-001 DRAWN BY: RR SHEET 1 of 1

F:\PROJECTS\1960\DOC\SUPPORT FILES\REPORTS\HYDROLOGY\PROPOSED HYDROLOGY EXHIBIT.DWG (05-12-2023 11:15:54AM) Plotted by: KKuark

APPENDIX 7: EXCERPTS FROM CHANNEL IMPROVEMENT PLAN AS BUILT DRAWINGS

CITY OF SAN MARCOS
GRAND AVENUE DRAINAGE/ ROAD IMPROVEMENTS
(VIA VERA CRUZ TO LINDA VISTA DRIVE)
CIP PROJECT CODE 88214

GEOTECHNICAL ENGINEER'S AND ENGINEERING GEOLOGIST'S DECLARATION

THESE PLANS HAVE BEEN REVIEWED BY THE UNDERSIGNED RELATIVE TO GEOTECHNICAL ASPECTS OF THE PLANS AND HAVE BEEN FOUND TO BE IN CONFORMANCE WITH INTENTIONS OF THE FINDINGS AND RECOMMENDATIONS CONTAINED IN THE GEOTECHNICAL REPORT BY GEOSOILS, INC. TITLED GEOTECHNICAL INVESTIGATION FOR THE GRAND AVENUE CHANNEL AND STREET IMPROVEMENTS AS PART OF THE REDEVELOPMENT PROJECT ADJACENT TO ANTIQUE VILLAGE, CIP NO. 317 SAN MARCOS, SAN DIEGO COUNTY, CALIFORNIA DATED NOVEMBER 16, 2009. W.O. 5947-A-SC and July 3, 2014 W.O. 5947-AB-SC

SIGNED: KC — SIGNED: David W. Skelly

PRINT NAME: Robert Crisman — PRINT NAME: David W. Skelly

C.E.G. NO.: 1934 — R.G.E. NO.: 47857

DATE: 8-31-18 — DATE: 8-31-18

LICENSE EXPIRATION DATE: 3-31-20 — LICENSE EXPIRATION DATE: 12-31-19

PROFESSIONAL GEOLOGIST — ROBERT G. CRISMAN — No. 1934 — Certified Engineering Geologist — STATE OF CALIFORNIA

REGISTERED PROFESSIONAL ENGINEER — DAVID W. SKELLY — No. RCE 47857 — Exp. 12-31-19 — CIVIL — STATE OF CALIFORNIA

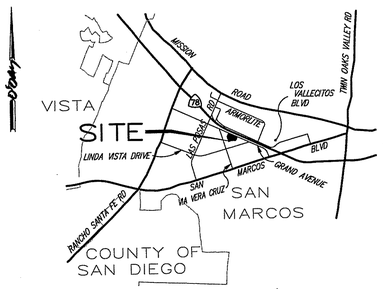
DECLARATION OF RESPONSIBLE CHARGE

I HEREBY DECLARE THAT I AM THE ENGINEER OF WORK FOR THIS PROJECT, THAT I HAVE EXERCISED RESPONSIBLE CHARGE OVER THE DESIGN OF THIS PROJECT AS DEFINED IN SECTION 6703 OF THE BUSINESS AND PROFESSIONS CODE, AND THAT THE DESIGN IS CONSISTENT WITH CURRENT STANDARDS.

I UNDERSTAND THAT THE CHECK OF PROJECT DRAWINGS AND SPECIFICATIONS BY THE CITY OF SAN MARCOS AND THE VALLECITOS WATER DISTRICT IS CONFINED TO A REVIEW ONLY AND DOES NOT RELIEVE ME, AS ENGINEER OF WORK, OF MY RESPONSIBILITIES FOR PROJECT DESIGN.

O'DAY CONSULTANTS, INC.
2710 LOKER AVENUE WEST, SUITE 100
CARLSBAD, CALIFORNIA 92010
(760) 931-7700

Keith Hansen 8/31/18
KEITH W. HANSEN
R.C.E. NO. 60223 EXP. 06/30/20



VICINITY MAP

NO SCALE
THOMAS GUIDE PAGE 1108, GRID F7

SOURCE OF TOPOGRAPHY

TOPOGRAPHIC INFORMATION SHOWN ON THESE PLANS WAS GENERATED BY AERIAL SURVEY ON NOV. 15, 2005 BY SAN-LO AERIAL SURVEYS. ADDITIONAL TOPOGRAPHY BY O'DAY CONSULTANTS ON OCTOBER 6, 2009, AND JANUARY 5-7, 2010.

OWNER/DEVELOPER:

CITY OF SAN MARCOS
1 CIVIC CENTER DRIVE
SAN MARCOS, CA. 92069
(760) 744-1050

LEGAL DESCRIPTION

PORTION OF LOTS 1, 2 AND 3 OF BLOCK 80 OF RANCHO LOS VALLECITOS DE SAN MARCOS, IN THE CITY OF SAN MARCOS ACCORDING TO MAP THEREOF No. 806 FILED IN THE OFFICE OF THE COUNTY RECORDER ON DECEMBER 21, 1895.

ASSESSOR'S PARCEL NUMBER

219-152-08, 14, 18, 40 AND 47 .

BASIS OF BEARINGS:

THE BASIS OF BEARINGS FOR THIS PLAN IS THE NAD 83, ZONE 6, GRID BEARING BETWEEN STATION CP59 AND STATION CP61, AS SAID STATIONS ARE SHOWN ON R.O.S. MAP NO. 16709, I.E. S 60°06'08" E.

SAID BEARING AND THE BEARINGS SHOWN HEREON ARE IN TERMS OF THE CALIFORNIA COORDINATE SYSTEM (NAD 83), ZONE 6. QUOTED BEARINGS FROM REFERENCE MAPS OR DEEDS MAY OR MAY NOT BE IN TERMS OF SAID SYSTEM.

EARTHWORK QUANTITIES

CUT:	3,760 CY
FILL:	880 CY
NET CUT FOR EXPORT	2,880 CY

*QUANTITY ASSUMES 1' UNDERCUT AT BRIDGE AND 5% SHRINKAGE

HYDROLOGY/HYDRAULIC REPORT

A COPY OF THE APPROVED HYDROLOGY/HYDRAULIC STUDY FOR THIS PROJECT IS ON FILE WITH THE CITY OF SAN MARCOS ENGINEERING DIVISION. THE REPORT IS TITLED "HYDROLOGY AND HYDRAULIC STUDY FOR GRAND AVENUE DRAINAGE/ROAD IMPROVEMENTS", DATED MARCH 29, 2011 PREPARED BY O'DAY CONSULTANTS, INC.

ALSO SEE REPORT TITLED "HYDRAULIC AND SCOUR STUDIES FOR PROPOSED BRIDGE AT GRAND PLACE IN THE CITY OF SAN MARCOS", PREPARED BY CHANG CONSULTANTS, DATED FEBRUARY 2011.

A FINAL WATER QUALITY TECHNICAL REPORT FOR THIS PROJECT WAS PREPARED BY O'DAY CONSULTANTS, DATED FEBRUARY 3, 2011.

STORM WATER PERMIT SUMMARY

1. WATERSHED NAME/HSA #: CARLSBAD/RICHLAND HSA 4.52
2. SUSMP STATUS:
3. PRIORITY FACILITY TYPE:
4. BMP ID #S ASSIGNED:
5. GENERAL CONSTRUCTION PERMIT WDID # 937C358064
6. TTWQ:
7. GENERAL INDUSTRIAL PERMIT WDID #:
8. WATER DISCHARGE PERMIT:
9. DISCHARGES TO CITY STORM DRAIN SYSTEM DURING CONSTRUCTION OR OPERATION OF THE FACILITY ARE STRICTLY PROHIBITED PER SMC 14.15 AND SDRWQCB PERMIT R9-2007-001
10. SPILL NOTIFICATION: 760-481-3878 OR 911 (AFTER HOURS)
11. MAINTENANCE AGREEMENT DOCUMENT #:

INSPECTED AND RECOMMENDED FOR "AS BUILT" ACCEPTANCE

Public Works Inspector Date

VALLECITOS WATER DISTRICT DECLARATION OF ENGINEER OF WORK:

I HEREBY DECLARE THAT THE DESIGN OF THE IMPROVEMENTS AS SHOWN ON THESE PLANS COMPLIES WITH PROFESSIONAL ENGINEERING STANDARDS AND PRACTICES. AS THE ENGINEER IN RESPONSIBLE CHARGE OF THE DESIGN OF THESE IMPROVEMENTS, I ASSUME FULL RESPONSIBLE CHARGE FOR SUCH DESIGN. I UNDERSTAND AND ACKNOWLEDGE THAT THE SIGNATURE OF THESE PLANS AND THE REVIEW OF THE PLANS BY THE VALLECITOS WATER DISTRICT, IS A REVIEW OF GENERAL COMPLIANCE WITH DISTRICT STANDARDS. THIS APPROVAL IS NOT A DETERMINATION OF THE TECHNICAL ADEQUACY OR ACCURACY OF THE DESIGN OF THE IMPROVEMENTS. SUCH APPROVAL DOES NOT, THEREFORE, RELIEVE ME OF MY RESPONSIBILITY FOR THE DESIGN OF THESE IMPROVEMENTS.

ENGINEER OF WORK: Keith Hansen — DATE: 8/31/18
KEITH W. HANSEN
R.C.E. NO. 60223

REFERENCE DRAWINGS:

1) GRAND AVENUE IMPROVEMENTS CITY OF SAN MARCOS DWG. 852
2) SEWER IMPROVEMENTS PER CITY OF SAN MARCOS DWG. 5300-17A
3) SEWER IMPROVEMENTS PER CITY OF SAN MARCOS DWG. 1409-3

CIVIL ENGINEER

O'DAY CONSULTANTS, INC.
2710 LOKER AVENUE WEST, SUITE 100
CARLSBAD, CALIFORNIA 92010
(760) 931-7700

DATE OF PREPARATION: MARCH 2011
O'DAY JOB NUMBER: 091268

ENGINEER OF WORK:

AS ENGINEER-OF-WORK, I HEREBY CERTIFY THAT, TO THE BEST OF MY KNOWLEDGE AND BELIEF, THE IMPROVEMENTS SHOWN ON THIS SET OF CONSTRUCTION PLANS, SHEET 1 THROUGH SHEET 48, HAVE BEEN INSTALLED AND CONSTRUCTED IN SUBSTANTIAL CONFORMANCE WITH THESE AS-BUILT PLANS, INCLUDING ALL APPROPRIATE STANDARDS AND ANY DISCRETIONARY APPROVAL(S) FOR THE PROJECT.

SIGNED: _____ DATE: _____

PRINTED NAME: _____ P.E. NO.: _____

DISCIPLINE: _____ MY REGISTRATION EXPIRES: _____

SHEET INDEX

SHEET NO.	DESCRIPTION
1	TITLE SHEET
2	NOTES
3	NOTES & INDEX MAP
4	DETAILS & SECTIONS
5	HORIZONTAL CONTROL PLAN
6	DEMOLITION & REMOVAL PLAN
7	GRADING PLAN OVERVIEW
8-9	GRADING PLANS AT CHANNEL
10-12	CROSS SECTIONS AT CHANNEL
13-14	EROSION CONTROL PLANS
15	STREET IMPROVEMENT PLANS
16-17	STORM DRAIN PLANS
18-19	BOX CULVERT PLANS
20-29	BRIDGE PLANS
30-32	LIGHTING PLANS
33-42	LANDSCAPE PLANS
43-48	MITIGATION/REVEGETATION PLANS

VALLECITOS WATER DISTRICT	
PRESSURE ZONE	855
PUMP ZONE	N/A

NOTE !!
ELECTRONIC DATA FILES ARE FOR REFERENCE ONLY AND ARE NOT TO BE USED FOR HORIZONTAL OR VERTICAL SURVEY CONTROL

WORK TO BE DONE

THE GRADING AND IMPROVEMENTS CONSIST OF THE FOLLOWING WORK TO BE DONE IN ACCORDANCE WITH THE LATEST EDITIONS OF THE FOLLOWING DOCUMENTS:

1. SAN DIEGO AREA REGIONAL STANDARD DRAWINGS
2. STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION ("GREEN BOOK") 2009 EDITION
3. CITY OF SAN MARCOS GRADING AND EXCAVATION ORDINANCE
4. CITY OF SAN MARCOS TRAFFIC SIGNAL MANUAL FOR NEW SIGNAL DESIGNS AND GUIDELINES
5. STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION (CALTRANS) STANDARD PLANS
6. STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION (CALTRANS) STANDARD SPECIFICATIONS
7. STATE OF CALIFORNIA TRAFFIC CONTROL MANUAL
8. VALLECITOS WATER DISTRICT STANDARD DRAWINGS, SPECIFICATIONS AND APPROVED MATERIALS LIST
9. THIS SET OF PLANS
10. REGIONAL AND CITY OF SAN DIEGO SUPPLEMENT AMENDMENTS TO THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, LATEST EDITION.
11. GEOTECHNICAL REPORTS AND RECOMMENDATIONS BY GEOSOILS, INC., DATED 11-16-2009 & ALL UPDATES THERETO.
12. ENVIRONMENTAL APPROVAL DOCUMENTS DATED 9-1-2009, NEGATIVE DECLARATION 09-789.

ANY CHANGES OR REVISIONS THEREFROM SHALL BE APPROVED BY THE CITY ENGINEER PRIOR TO CONSTRUCTION.

LEGEND

DESCRIPTION	STD. DWG.	SYMBOL
SUBDIVISION BOUNDARY		
RIGHT-OF-WAY LINE		
LOT LINES		540
EXISTING CONTOUR		540
PROPOSED CONTOUR		
DAYLIGHT LINE		
CUT / FILL LINE		C F 540.11
EXISTING SPOT ELEVATION		540.0 EL
EXISTING FLOWLINE ELEVATION		
EXISTING SLOPES		
CUT OR FILL SLOPE LINES		CUT FILL 2:1 MAX.
FLOWLINE ELEVATION		540.00 FL
FINISHED SURFACE SPOT ELEVATIONS		540.00 FS
FINISHED GRADE SPOT ELEVATIONS		540.0 FG
EARTH SWALE		
BIOFILTRATION AREA	SEE DETAIL SHEET 4.	BF
CONSTRUCTION FENCE	SEE DETAIL SHEET 4.	
PCC SIDEWALK	G-7.	
6" CURB & GUTTER	G-2.	
6" CURB	G-1.	
3" AC/8" CLASS 2 AB COMPACTED TO 95%* (GRAND PLACE)		
4" AC/9" CLASS 2 AB COMPACTED TO 95%* (GRAND AVE.)		
GRIND & 2" AC OVERLAY		
BRIDGE		
BARRICADE	M-9.	
EXIST. GUARDRAIL		
TRENCH RESTORATION PER CITY OF SAN MARCOS PAVEMENT ORDINANCE		
RIP-RAP	D-40.	
TYPE 'F' CATCH BASIN	D-7.	SD
TYPE 'A' CLEAN OUT	D-9.	
WING-TYPE HEADWALL	D-34.	
30" RCP STORM DRAIN	D-60.	SD
18" RCP STORM DRAIN	D-60.	SD
TRIPLE BOX CULVERT	SHEETS 18-19.	
WING WALLS	SHEETS 18-19.	
EXIST. GAS LINE		G
EXIST. WATER LINE		W
EXIST. SEWER LINE		S
EXIST. OVERHEAD UTILITY		OH
EXISTING WATER SERVICE		W
EXISTING SEWER LATERAL		S

* STRUCTURAL SECTION PER SOILS REPORT TITLED GEOTECHNICAL INVESTIGATIONS FOR THE GRAND AVE. CHANNEL AND STREET IMPROVEMENTS AS PART OF THE REDEVELOPMENT PROJECT ADJACENT TO ANTIQUE VILLAGE, CIP No. 317 SAN MARCOS, SAN DIEGO COUNTY, CALIFORNIA DATED NOV. 16, 2009. SECTION TO BE VERIFIED BY THE R-VALUE TEST IN THE FIELD AFTER REMEDIAL WORK HAS BEEN COMPLETED. SECTION SHALL BE APPROVED BY PUBLIC WORKS INSPECTOR.

WATER
Existing 5/8" irrigation CFD meter to remain, install 1" backflow & adjust meter box to grade (Sheet 15) per VWD W-19 — 1 EA.
- Adjust meter box to grade (Sheet 9) — 1 EA.

SEWER
Adjust exist. MH to grade & repair coating (Raven) (Sheet 15) — 1 EA.

VWD DWG. NO.

REGISTERED PROFESSIONAL ENGINEER — KEITH W. HANSEN — NO. 60223 — CIVIL — STATE OF CALIFORNIA

O'Day CONSULTANTS
2710 Loker Avenue West, Suite 100, Carlsbad, California 92010, 760-931-7700, Fax: 760-931-8680
Civil Engineering, Planning, Processing, Surveying

DESIGNED BY: N.F. DATE: JULY 2010
DRAWN BY: T.G. SCALE:
PROJECT MGR.: K.W.H. JOB NO.: 09-1268

ENGINEER OF WORK: Keith Hansen DATE: 8/31/18
KEITH W. HANSEN RCE: 60223

SAN MARCOS FIRE DEPARTMENT	VALLECITOS WATER DISTRICT	ENGINEER OF WORK	CITY APPROVED CHANGES	RECOMMENDED FOR APPROVAL	APPROVED FOR CONSTRUCTION	BENCH MARK
By: Jason Nallon, Fire Marshal	By: James H. Gumpel 9/18/18	N.F. T.G.	No. Description CITY VWD Date	By: Elias Gallegos, Senior Civil Engineer	By: Matt Little, Public Works Director	Description: Pt. 1032: M-10 STAMPED "CSM RCE 16421"
Date: 9-25-18	JAMES H. GUMPEL, P.E. DISTRICT ENGINEER R.C.E. NO. C60160 EXP. 6/2020	DRAWN BY		R.C.E.: 66149 Date: 9/11/18	R.C.E.: 60569 Date: 10-16-18	Location: INTERSECTION OF LINDA VISTA DRIVE, BENT AVENUE AND GRAND AVENUE. Record From: Record of Survey 13928 Elev.: 553.829 Datum: NGVD 1929

CITY OF SAN MARCOS ENGINEERING DIVISION
GRADING & IMPROVEMENT PLANS FOR: CIP PROJECT CODE 88214
GRAND AVE. DRAINAGE/ROAD IMPROVEMENTS - PHASE 1

City Drawing No. IP-4826
Sheet 1 of 48
VWD W.O. 201930

G:\091268\0968AI01.dwg Aug 30, 2018 7:18am
Xrefs: 0968AI; 0966VIC

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GRADING NOTES

1. CALL THE CITY OF SAN MARCOS ENGINEERING REPRESENTATIVE [(760) 752-7550] 24 HOURS BEFORE COMMENCEMENT OF WORK.
2. IMPORTED MATERIAL SHALL BE OBTAINED FROM A LEGAL SITE.
3. ALL CUT AND FILL SLOPES SHALL BE PLANTED WITH A MIXTURE OF TREES, SHRUBS, AND GROUND COVER TO CONTROL EROSION. SLOPE LANDSCAPING SHALL BE INSTALLED AS SOON AS PRACTICAL. IRRIGATION SYSTEMS ARE REQUIRED AND SHALL BE INSTALLED FOR PERPETUAL MAINTENANCE OF THE PLANT LIFE USED FOR SLOPE STABILIZATION IN ACCORDANCE WITH SECTION 17.32.170 OF THE CITY'S GRADING ORDINANCE AND CSM LANDSCAPE STANDARD. (SEE LANDSCAPE PLANS FOR WETLAND RESTORATION AREA BY DUDEK FOR PLANTING IN CHANNEL)
4. PRECISE LOCATIONS/ELEVATIONS OF THE EXISTING UNDERGROUND UTILITIES ARE NOT KNOWN. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR MAKING SUFFICIENT EXPLORATIONS TO LOCATE ALL UTILITIES AND SUBSTRUCTURES WHETHER SHOWN ON THE PLANS OR NOT AND TO PROTECT THEM FROM ANY POSSIBLE DAMAGE PRIOR TO AND DURING CONSTRUCTION. THE EXPENSE OF REPAIR OR REPLACEMENT OF SAID UTILITIES AND SUBSTRUCTURES SHALL BE BORNE BY THE CONTRACTOR. CONTRACTOR SHALL NOTIFY THE ENGINEER-OF-WORK OF ANY POTENTIAL CONFLICTS SUFFICIENTLY IN TIME FOR CONSTRUCTION CHANGES TO BE MADE AND APPROVED.
5. THE CONTRACTOR SHALL CONTACT THE UNDERGROUND SERVICE ALERT AT 1-800-422-4133 AT LEAST 48 HOURS PRIOR TO EXCAVATING TO VERIFY THE LOCATIONS OF UNDERGROUND FACILITIES OF THE FOLLOWING UTILITIES:

   PACIFIC BELL/SBC
   SAN DIEGO GAS & ELECTRIC/SEMPRA
   VALLECITOS WATER DISTRICT
   COX COMMUNICATIONS OR TIME WARNER CABLE

   A DIG ALERT IDENTIFICATION NUMBER MUST BE ISSUED BEFORE A "PERMIT TO EXCAVATE" IS VALID PER GOVERNMENT CODE SECTION 4216/4217.
6. APPROVAL OF THESE PLANS BY THE CITY DOES NOT AUTHORIZE ANY WORK OR GRADING TO BE PERFORMED UNTIL THE PROPERTY OWNER'S PERMISSION IS OBTAINED AND A VALID GRADING PERMIT HAS BEEN ISSUED.
7. ALL OPERATIONS CONDUCTED ON THE PREMISES, INCLUDING THE WARMING UP, REPAIR, ARRIVAL, DEPARTURE OR RUNNING OF ANY EQUIPMENT SHALL BE LIMITED TO THE HOURS OF 7:00 A.M. TO 4:30 P.M., MONDAY THRU FRIDAY. NO WORK SHALL BE PERFORMED ON THE PREMISES ON SATURDAY, SUNDAY OR HOLIDAYS.
8. ALL MAJOR SLOPES SHALL BE SHAPED AND TRIMMED AS SHOWN ON THE PLANS AND ROUNDED INTO EXISTING SLOPES TO PRODUCE A CONTOURED TRANSITION FROM CUT OR FILL FACES TO NATURAL GROUND AND ABUTTING CUT OR FILL SLOPES. ALL STONES, ROOTS OR OTHER WASTE MATTER EXPOSED ON EXCAVATION OR EMBANKMENT SHALL BE REMOVED AND DISPOSED OF OFF-SITE IN A LEGAL MANNER BY THE CONTRACTOR. (SEE LIMITS OF WORK)
9. NOTWITHSTANDING THE MINIMUM STANDARDS SET FORTH IN THE CITY'S GRADING ORDINANCE AND THE APPROVAL OF THESE GRADING PLANS, THE PERMITTEE IS RESPONSIBLE FOR THE PREVENTION OF DAMAGE TO ADJACENT PROPERTY. NO PERSON SHALL EXCAVATE ON LAND SO CLOSE TO THE PROPERTY LINE AS TO ENDANGER ANY SYSTEM, OR ANY OTHER PUBLIC OR PRIVATE PROPERTY WITHOUT SUPPORTING AND PROTECTING SUCH PROPERTY FROM SETTLING, CRACKING, EROSION, SILTING, SCOUR OR OTHER DAMAGE WHICH MIGHT RESULT FROM THE GRADING DESCRIBED ON THIS PLAN. THE CITY WILL HOLD THE CONTRACTOR RESPONSIBLE FOR CORRECTION OF WORK WHICH CAUSE DAMAGE TO ADJACENT PROPERTY.
10. THE ENGINEER-OF-WORK SHALL BE NOTIFIED WHEN CONSTRUCTION COMMENCES.
11. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL CONSTRUCTION/GRADING OF SLOPES, PADS, STREET GRADES AND INFRASTRUCTURE IMPROVEMENTS ACCORDING TO THESE PLANS. THE ENGINEER-OF-WORK SHALL BE CONTACTED WHEN CHANGES OR ADDITIONS MADE DURING THE PROGRESS OF CONSTRUCTION OR IF THERE IS A MISUNDERSTANDING OF THESE PLANS OR FIELD STAKES AND AN INTERPRETATION IS NEEDED. CERTIFICATION FROM THE REGISTERED CIVIL ENGINEER STATING THAT THE GRADING HAS BEEN COMPLETED PER THE APPROVED PLAN, AND THE COMPACTION REPORT FROM THE GEOTECHNICAL ENGINEER ON ANY REQUIRED FILL AREAS SHALL BE PROVIDED PRIOR TO BUILDING PERMITS BEING ISSUED.
12. MINIMUM 90% COMPACTION IS REQUIRED IN ALL ON-SITE FILL AREAS WITH A MINIMUM OF 95% COMPACTION WITHIN SIX INCHES (6") BELOW FINISHED SUBGRADE IN A STREET.
13. CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING ANY MONUMENTATION AND/OR BENCHMARKS. ANY MONUMENTATION AND/OR BENCHMARKS WHICH ARE DISTURBED OR DESTROYED BY CONSTRUCTION SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE. SUCH POINTS SHALL BE REFERENCED AND REPLACED WITH APPROPRIATE MONUMENTATION BY A LICENSED LAND SURVEYOR OR A REGISTERED CIVIL ENGINEER AUTHORIZED TO PRACTICE LAND SURVEYING. A CORNER RECORD OR RECORD OF SURVEY, AS APPROPRIATE, SHALL BE FILED BY THE LICENSED LAND SURVEYOR OR REGISTERED CIVIL ENGINEER AS REQUIRED BY THE LAND SURVEYOR'S ACT.
14. DUST CONTROL MEASURES, SUCH AS THE PERIODIC WETTING DOWN OF THE BARE AND EXPOSED AREAS, SHALL BE UTILIZED AT ALL TIMES DURING CONSTRUCTION TO THE SATISFACTION OF THE PUBLIC WORKS AND/OR BUILDING INSPECTORS.
15. ALL WORK SHOWN ON THESE PLANS TO BE COMPLETED IN ACCORDANCE WITH CITY GRADING ORDINANCE CHAPTER 17.32.
16. ALL GRADING SHALL BE SUPERVISED BY AN INDIVIDUAL APPROPRIATELY LICENSED UNDER THE BUSINESS AND PROFESSIONS CODE.
17. THE CONTRACTOR IS ADVISED THAT HE IS RESPONSIBLE FOR MAINTAINING THE ADJOINING PUBLIC STREETS AND RIGHTS-OF-WAY IN A CLEAN AND DUST FREE CONDITION WITHIN THE LIMITATION OF THE CITY MUNICIPAL CODE SECTION 14.15.030 "ILLICIT DISCHARGES PROHIBITED". THIS SECTION OF THE CODE PROHIBITS THE "WASHING DOWN" OF A STREET INTO A PUBLIC STORM DRAIN. THE CONTINUOUS USE OF STREET SWEEPING MACHINES MAY BE ADVISABLE.
18. THE CONTRACTOR AGREES THAT HE SHALL ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THIS PROJECT, INCLUDING THE SAFETY OF ALL PERSONS AND PROPERTY. THIS REQUIREMENT SHALL APPLY CONTINUALLY AND NOT BE LIMITED TO NORMAL WORKING HOURS. THE CONTRACTOR SHALL DEFEND, INDEMNIFY AND HOLD THE OWNER, THE ENGINEER AND THE CITY HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT EXCEPTING FOR LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF THE OWNER, ENGINEER OR CITY.
19. A PERMIT MUST BE OBTAINED FROM THE SAN MARCOS FIRE DEPARTMENT PRIOR TO ANY BLASTING. SEPARATE CITY PERMITS ARE REQUIRED PRIOR TO ANY CONSTRUCTION, EXCAVATION, STORAGE OF MATERIALS OR ANY OTHER ENCROACHMENTS.

IMPROVEMENT NOTES:

1. THE STRUCTURAL SECTIONS SHOWN ON THESE PLANS ARE BASED ON R-VALUE TESTS OR MINIMUM STRUCTURAL STANDARDS REQUIRED BY THE CITY, WHICHEVER IS GREATER. ACTUAL STRUCTURAL SECTIONS WILL BE DETERMINED AFTER THE "R" VALUE TEST HAS BEEN CONDUCTED BY A QUALIFIED GEOTECHNICAL ENGINEER ON THE PREPARED SUB-BASE MATERIAL. THE "R" VALUE TEST AND RECOMMENDED ENGINEERED STRUCTURAL SECTION MUST BE APPROVED BY THE PUBLIC WORKS DIRECTOR PRIOR TO THE INSTALLATION OF BASE AND PAVING MATERIALS. STRUCTURAL SECTIONS SHALL BE DESIGNED IN ACCORDANCE WITH CHAPTER 600 OF THE CALTRANS HIGHWAY DESIGN MANUAL. STRUCTURAL SECTIONS SHALL BE NOTED ON THE "AS-BUILT" DRAWINGS.

   THIS NOTE WILL NOT APPLY TO THOSE AREAS WHERE GRADING IS MINIMAL AND "R" VALUES CAN BE OBTAINED PRIOR TO PLAN APPROVAL. ALL EXISTING STREETS SHALL BE CORE TESTED TO DETERMINE THE EXISTING STRUCTURAL SECTION AND TO DETERMINE THE EXTENT OF OVERLAY OR RECONSTRUCTION NECESSARY TO ACHIEVE THE REQUIRED "R" VALUES, TESTS SHALL BE PERFORMED AT LOCATIONS APPROVED BY THE PUBLIC WORKS DIRECTOR.
2. ALL ELECTRICAL, TELEPHONE AND CABLE TELEVISION UTILITIES SHALL BE CONSTRUCTED/CONVERTED TO UNDERGROUND. THE RELOCATION AND/OR UNDERGROUNDING OF EXISTING AND NEW UTILITIES SHALL BE DONE BY THE DEVELOPER OF THE PROPERTY AT NO COST TO THE CITY.
3. ALL UNDERGROUND UTILITIES AND LATERALS SHALL BE INSTALLED BEFORE CONSTRUCTION OF THE CURB AND GUTTER OR SURFACING OF STREETS.
4. A PERMIT SHALL BE OBTAINED FROM THE CITY OF SAN MARCOS FOR ANY EXCAVATION AND/OR CONSTRUCTION WITHIN THE PROPOSED PROJECT AND PUBLIC RIGHT-OF-WAY.
5. PRECISE LOCATIONS/ELEVATIONS OF THE EXISTING UNDERGROUND UTILITIES ARE NOT KNOWN. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR MAKING SUFFICIENT EXPLORATIONS TO LOCATE ALL UTILITIES AND SUBSTRUCTURES WHETHER SHOWN ON THE PLANS OR NOT AND TO PROTECT THEM FROM ANY POSSIBLE DAMAGE PRIOR TO AND DURING CONSTRUCTION. THE EXPENSE OF REPAIR OR REPLACEMENT OF SAID UTILITIES AND SUBSTRUCTURES SHALL BE BORNE BY THE CONTRACTOR. CONTRACTOR SHALL NOTIFY THE ENGINEER-OF-WORK OF ANY POTENTIAL CONFLICTS SUFFICIENTLY IN TIME FOR CONSTRUCTION CHANGES TO BE MADE AND APPROVED.
6. THE CONTRACTOR SHALL CONTACT THE UNDERGROUND SERVICE ALERT AT 1-800-422-4133 AT LEAST 48 HOURS PRIOR TO EXCAVATING TO VERIFY THE LOCATIONS OF UNDERGROUND FACILITIES OF THE FOLLOWING UTILITIES:

   COX COMMUNICATIONS OR TIME WARNER CABLE
   PACIFIC BELL/SBC
   SAN DIEGO GAS & ELECTRIC/SEMPRA
   VALLECITOS WATER DISTRICT

   A DIG ALERT IDENTIFICATION NUMBER MUST BE ISSUED BEFORE A "PERMIT TO EXCAVATE" IS VALID PER GOVERNMENT CODE SECTION 4216/4217.
7. AN AS-BUILT DRAWING SHALL BE SUBMITTED FOR ALL PUBLIC IMPROVEMENTS PRIOR TO ACCEPTANCE OF SAID IMPROVEMENTS.
8. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL CONSTRUCTION/GRADING OF SLOPES, PADS, STREET GRADES AND INFRASTRUCTURE IMPROVEMENTS ACCORDING TO THESE PLANS. THE ENGINEER-OF-WORK SHALL BE CONTACTED WHEN CHANGES OR ADDITIONS MADE DURING THE PROGRESS OF CONSTRUCTION OR IF THERE IS A MISUNDERSTANDING OF THESE PLANS OR FIELD STAKES AND AN INTERPRETATION IS NEEDED. CERTIFICATION FROM THE REGISTERED CIVIL ENGINEER STATING THAT THE GRADING HAS BEEN COMPLETED PER THE APPROVED PLAN, AND THE COMPACTION REPORT FROM THE GEOTECHNICAL ENGINEER ON ANY REQUIRED FILL AREAS SHALL BE PROVIDED PRIOR TO BUILDING PERMITS BEING ISSUED.
9. CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING ANY MONUMENTATION AND/OR BENCHMARKS. ANY MONUMENTATION AND/OR BENCHMARKS WHICH ARE DISTURBED OR DESTROYED BY CONSTRUCTION SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE. SUCH POINTS SHALL BE REFERENCED AND REPLACED WITH APPROPRIATE MONUMENTATION BY A LICENSED LAND SURVEYOR OR A REGISTERED CIVIL ENGINEER AUTHORIZED TO PRACTICE LAND SURVEYING. A CORNER RECORD OR RECORD OF SURVEY, AS APPROPRIATE, SHALL BE FILED BY THE LICENSED LAND SURVEYOR OR REGISTERED CIVIL ENGINEER AS REQUIRED BY THE LAND SURVEYOR'S ACT.
10. MINIMUM 90% COMPACTION IS REQUIRED IN ALL ON-SITE FILL AREAS WITH A MINIMUM OF 95% COMPACTION WITHIN SIX INCHES (6") BELOW SUBGRADE, IN A STREET.
11. ALL OPERATIONS CONDUCTED ON THE PREMISES, INCLUDING THE WARMING UP, REPAIR, ARRIVAL, DEPARTURE OR RUNNING OF ANY EQUIPMENT SHALL BE LIMITED TO THE HOURS OF 7:00 A.M. TO 4:30 P.M., MONDAY THRU FRIDAY. NO WORK SHALL BE PERFORMED ON THE PREMISES ON SATURDAY, SUNDAY OR HOLIDAYS.
12. NO PRIVATE IRRIGATION MAINS OR CONTROL VALVES SHALL BE PLACED WITHIN THE PUBLIC RIGHT-OF-WAY.
13. CURB RAMPS SHALL BE INSTALLED AT ALL CURB RETURNS PER TITLE 24, PART 2, STATE CHAPTER 71, SITE DEVELOPMENT REQUIREMENTS FOR HANDICAPPED ACCESSIBILITY, SECTION 7103, CURB RAMPS, OF THE CALIFORNIA BUILDING CODE.
14. ALL TRENCH EXCAVATION AND BACKFILL IN THE PUBLIC RIGHT-OF-WAY SHALL CONFORM TO THE REQUIREMENTS OF THE CITY'S EXCAVATION ORDINANCE.
15. THE ENGINEER-OF-WORK SHALL BEAR THE SOLE RESPONSIBILITY OF THE MATHEMATICAL DATA AND ACCURACY OF DESIGN SHOWN HEREON.
16. IF (FOR ANY REASON) GRADING PRODUCES A CONDITION WHERE AN EXISTING UTILITY IS ABANDONED, AND LESS THAN 2 FEET FROM THE SURFACE IN PAVEMENT AREAS, THE UTILITY SHOULD EITHER BE FULLY GROUTED, OR REMOVED.
17. STREET SIGNING AND STRIPING ARE THE RESPONSIBILITY OF THE CONTRACTOR AND ARE SUBJECT TO CITY OF SAN MARCOS PUBLIC WORKS DEPARTMENT APPROVAL.
18. DUST CONTROL MEASURES, SUCH AS THE PERIODIC WETTING DOWN OF THE BARE AND EXPOSED AREAS, SHALL BE USED AT ALL TIMES DURING CONSTRUCTION TO THE SATISFACTION OF THE PUBLIC WORKS AND/OR BUILDING INSPECTORS.
19. THE CONTRACTOR IS ADVISED THAT HE IS RESPONSIBLE FOR MAINTAINING THE ADJOINING PUBLIC STREETS AND RIGHT-OF-WAYS IN A CLEAN AND DUST FREE CONDITION WITHIN THE LIMITATION OF THE CITY MUNICIPAL CODE SECTION 14.15.030 "ILLICIT DISCHARGES PROHIBITED." THIS SECTION OF THE CODE PROHIBITS THE "WASHING DOWN" OF A STREET INTO A PUBLIC STORM DRAIN. THE CONTINUOUS USE OF STREET SWEEPING MACHINES MAY BE ADVISABLE.

IMPROVEMENT NOTES (CONT.):

20. A PERMIT MUST BE OBTAINED FROM THE SAN MARCOS FIRE DEPARTMENT PRIOR TO ANY BLASTING. CITY PERMITS ARE REQUIRED PRIOR TO ANY CONSTRUCTION, EXCAVATION, STORAGE OF MATERIALS OR ANY OTHER ENCROACHMENTS.
21. THE CONTRACTOR AGREES THAT HE SHALL ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THIS PROJECT, INCLUDING THE SAFETY OF ALL PERSONS AND PROPERTY. THIS REQUIREMENT SHALL APPLY CONTINUALLY AND NOT BE LIMITED TO NORMAL WORKING HOURS. THE CONTRACTOR SHALL DEFEND, INDEMNIFY AND HOLD THE OWNER, THE ENGINEER AND THE CITY HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT EXCEPTING FOR LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF THE OWNER, ENGINEER OR CITY.
22. EROSION CONTROL, INCLUDING RIP-RAP, INTERIM SLOPE PROTECTION, SAND BAGS OR OTHER EROSION CONTROL MEASURES SHALL BE PROVIDED AS NECESSARY TO CONTROL SEDIMENT AND SILT FROM THE PROJECT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING ALL EROSION CONTROL FACILITIES THROUGHOUT THE DEVELOPMENT OF THE PROJECT.
23. A TRAFFIC CONTROL PLAN, INCLUDING THE LAYOUT OF CONSTRUCTION WARNING AND DETOUR SIGNS, SHALL BE SUBMITTED TO THE PUBLIC WORKS DEPARTMENT FOR APPROVAL A MINIMUM OF 72 HOURS PRIOR TO THE COMMENCEMENT OF CONSTRUCTION. TRAFFIC CONTROL SHALL BE IMPLEMENTED BEFORE ANY WORK IS STARTED.

CITY OF SAN MARCOS CIP NOTES

THE FOLLOWING NOTES ARE PROVIDED TO GIVE DIRECTION TO THE CONTRACTOR BY THE ENGINEER OF WORK. THE CITY ENGINEER'S SIGNATURE ON THESE PLANS DOES NOT CONSTITUTE APPROVAL OF ANY OF THESE NOTES, AND THE CITY WILL NOT BE RESPONSIBLE FOR THEIR ENFORCEMENT.

1. NEITHER THE OWNER, NOR THE ENGINEER OF WORK, WILL ENFORCE SAFETY MEASURES OR REGULATIONS. THE CONTRACTOR SHALL DESIGN, CONSTRUCT AND MAINTAIN ALL SAFETY DEVICES, INCLUDING SHORING, AND SHALL BE SOLELY RESPONSIBLE FOR CONFORMING TO ALL LOCAL, STATE, AND FEDERAL SAFETY AND HEALTH STANDARDS, LAWS AND REGULATIONS.
2. CONTRACTOR AGREES THAT HE SHALL ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THIS PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY, AND THAT THIS REQUIREMENT SHALL DEFEND, INDEMNIFY AND HOLD THE OWNER AND ENGINEER HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT, EXCEPTING LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF THE OWNER OR THE ENGINEER.
3. THE CONTRACTOR SHALL BE RESPONSIBLE TO ENSURE THAT ALL GRADING IS DONE IN ACCORDANCE WITH THESE PLANS. IF THERE ARE ANY QUESTIONS REGARDING THESE PLANS OR FIELD STAKES, THE CONTRACTOR SHALL REQUEST AN INTERPRETATION BEFORE DOING ANY WORK BY CALLING THE ENGINEER OF WORK AT (760) 931-7700. THE CONTRACTOR SHALL ALSO TAKE THE NECESSARY STEPS TO PROTECT THE PROJECT AND ADJACENT PROPERTY FROM EROSION AND SILTATIONS THAT RESULT FROM HIS OPERATIONS BY APPROPRIATE MEANS (SANDBAGS, HAY BALES, TEMPORARY DESILTING BASINS, DIKES, SHORING, ETC.) UNTIL SUCH TIME THAT THE PROJECT IS COMPLETED AND ACCEPTED FOR MAINTENANCE BY WHATEVER OWNER, AGENCY, OR ASSOCIATION IS TO BE ULTIMATELY RESPONSIBLE FOR MAINTENANCE.
4. ALL GRADING SHALL BE DONE UNDER THE OBSERVATION OF A QUALIFIED GEOTECHNICAL ENGINEER. ALL AREAS TO BE FILLED SHALL BE PREPARED TO BE FILLED AND ALL FILL SHALL BE PLACED IN ACCORDANCE WITH THE RECOMMENDED GRADING SPECIFICATIONS AND SPECIAL PROVISION ATTACHED TO THE GEOTECHNICAL INVESTIGATIONS FOR THIS SUBDIVISION. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO PLACE, SPREAD, WATER AND COMPACT THE FILL IN STRICT ACCORDANCE WITH THESE SPECIFICATIONS.
5. OBSERVATIONS AND COMPACTION TESTS SHALL BE MADE BY THE GEOTECHNICAL ENGINEER DURING THE FILLING AND COMPACTING OPERATIONS SO THAT HE CAN STATE HIS OPINION THAT THE FILL WAS CONSTRUCTED IN ACCORDANCE WITH THE EARTHWORK SPECIFICATIONS.
6. DURING CONSTRUCTION: THE CONTRACTOR SHALL PROPERLY GRADE ALL EXCAVATED SURFACES TO PROVIDE POSITIVE DRAINAGE AND PREVENT PONDING OF WATER. HE SHALL CONTROL SURFACE WATER TO AVOID DAMAGE TO ADJOINING PROPERTIES OR TO FINISHED WORK ON THE SITE. THE CONTRACTOR SHALL TAKE REMEDIAL MEASURES TO PREVENT EROSION OF FRESHLY GRADED AREAS UNTIL SUCH TIME AS PERMANENT DRAINAGE AND EROSION CONTROL MEASURES HAVE BEEN INSTALLED. AFTER COMPLETION: AFTER GRADING IS COMPLETED AND THE SOILS ENGINEER HAS FINISHED HIS OBSERVATIONS OF THE WORK, NO FURTHER EXCAVATION OR FILLING SHALL BE DONE EXCEPT UNDER THE OBSERVATION OF THE SOILS ENGINEER.
7. THE CONTRACTOR SHALL TAKE THE NECESSARY PRECAUTIONS REQUIRED TO PROTECT ADJACENT PROPERTIES DURING THE GRADING OPERATIONS.
8. CUT AND FILL SLOPES SHALL BE TRIMMED TO THE FINISH GRADE TO PRODUCE A SMOOTH SURFACE AND UNIFORM CROSS SECTION. THE SLOPE OF THE EXCAVATIONS OR EMBANKMENTS SHALL BE SHAPED AND TRIMMED AS SHOWN ON THE PLANS AND LEFT IN A NEAT AND ORDERLY CONDITION. ALL STONES, ROOTS OR OTHER WASTE MATTER EXPOSED ON EXCAVATION OR EMBANKMENT SLOPES SHALL BE REMOVED AND DISPOSED OF OFFSITE IN A LEGAL MANNER BY THE CONTRACTOR.
9. CONTRACTOR SHALL PROVIDE MATERIALS MANAGEMENT AND STOCKPILING SUCH THAT EXISTING UPDATE SOILS MATERIALS ARE USED FOR CAPPING STREETS AND PADS AND NOT BURIED IN FILLS.

VALLECITOS WATER DISTRICT GENERAL NOTES- CITY CIP:

1. ALL WATER AND SEWER LINES SHALL BE CONSTRUCTED ACCORDING TO THE CONTRACT DOCUMENTS AND CURRENT STANDARD SPECIFICATIONS, DRAWINGS AND APPROVED MATERIAL LIST OF THE VALLECITOS WATER DISTRICT.
2. A MINIMUM OF ONE FOOT VERTICAL CLEARANCE IS REQUIRED AT ALL CROSSINGS OF THE DISTRICT FACILITIES WITH OTHER UTILITIES UNLESS APPROVED BY THE DISTRICT PRIOR TO CONSTRUCTION.
3. CONTRACTOR SHALL POTHOLE (EXCAVATE AND EXPOSE) ALL UTILITIES ALONG CONSTRUCTION EXCAVATION CORRIDOR AS SHOWN ON PLANS OR IDENTIFIED BY USA MARK-OUT. THE POTHOLE INFORMATION (UTILITY SIZE, TYPE, LOCATION, ELEVATION, GRADE AND ALIGNMENT) SHALL BE SUBMITTED TO VALLECITOS WATER DISTRICT PRIOR TO CONSTRUCTION. IN ADDITION, POTENTIAL CONFLICTS WITH EXISTING UTILITIES, AS IDENTIFIED BY THE CONTRACTOR, SHALL BE SUBMITTED PRIOR TO CONSTRUCTION. CONSEQUENCES OF CONTRACTOR'S FAILURE TO POTHOLE AND PROVIDE INFORMATION TO DISTRICT SHALL BE THE CONTRACTOR'S FULL RESPONSIBILITY AND LIABILITY.
4. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR THE ENFORCEMENT OF SAFETY STANDARDS.
5. A PRECONSTRUCTION CONFERENCE MEETING WITH VALLECITOS WATER DISTRICT PERSONNEL SHALL BE HELD A MINIMUM OF THREE (3) WORKING DAYS PRIOR TO CONSTRUCTION. INSPECTION OF ALL WORK IS REQUIRED. FORTY-EIGHT (48) HOURS ADVANCE NOTICE IS REQUIRED FOR INSPECTION.
6. ANY PROPOSED CHANGES IN THE APPROVED IMPROVEMENT PLANS MUSH BE REVIEWED AND APPROVED BY THE DISTRICT PRIOR TO THE INSTALLATION OF SUCH CHANGES AND THE CHANGES SHALL BE SHOWN ON THE IMPROVEMENT PLANS.
7. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO MAINTAIN AT ALL TIMES ON THE JOB SITE, AN "AS-BUILT" RECORD OF ALL WATER AND SEWER MAINS AND APPURTENANCES INSTALLED UNDER THIS CONTRACT.
8. A BLASTING PLAN SHALL BE SUBMITTED FOR DISTRICT APPROVAL PRIOR TO THE USE OF EXPLOSIVES NEAR DISTRICT FACILITIES.
9. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVAL OF ACP PIPE WHICH SHALL BE PERFORMED BY A CONTRACTOR REGISTERED BY CAL/OSHA AND CERTIFIED BY THE STATE CONTRACTORS LICENSING BOARD FOR ASBESTOS REMOVAL.
10. UPON CONNECTION OF THE NEW WATER SYSTEM TO THE EXISTING SYSTEM, ALL VALVES ON THE EXISTING AND NEW SYSTEM SHALL BE OPERATED ONLY BY DISTRICT PERSONNEL. SHUTDOWNS SHALL BE REQUESTED, IN WRITING, A MINIMUM OF 6 WORKING DAYS IN ADVANCE. ALL SHUTDOWNS REQUIRE STATE CERTIFIED BACTERIA TESTING PRIOR TO REACTIVATION.

NOTE !!
ELECTRONIC DATA FILES ARE FOR REFERENCE ONLY AND ARE NOT TO BE USED FOR HORIZONTAL OR VERTICAL SURVEY CONTROL

INSPECTED AND RECOMMENDED FOR "AS BUILT" ACCEPTANCE

Public Works Inspector Date

REGISTERED PROFESSIONAL ENGINEER KEITH W. HANSEN NO. 60223 CIVIL STATE OF CALIFORNIA 8/31/18

VWD DWG. NO.

O'Day CONSULTANTS
2710 Loker Avenue West, Suite 100, Carlsbad, California 92010
760-931-7700 Fax: 760-931-8680
Civil Engineering, Planning, Processing, Surveying

DESIGNED BY: N.F. DATE: JULY 2010
DRAWN BY: T.G. SCALE:
PROJECT MGR.: K.W.H. JOB NO.: 09-1268
ENGINEER OF WORK: KEITH W. HANSEN DATE: 8/31/18 RCE: 60223

SAN MARCOS FIRE DEPARTMENT	VALLECITOS WATER DISTRICT	ENGINEER OF WORK	CITY APPROVED CHANGES	RECOMMENDED FOR APPROVAL	APPROVED FOR CONSTRUCTION	BENCH MARK
By: Jason Nailon, Fire Marshal	By: JAMES H. GUMPEL, P.E. DISTRICT ENGINEER R.C.E. NO. C60160 EXP. 6/2020	By: KEITH W. HANSEN 8/31/18	No. / Description / CITY / VWD / Date	By: Elias Gallegos, Senior Civil Engineer	By: Matt Little, Public Works Director	Description: Pt. 1032: M-10 STAMPED "CSM RCE 16421"
Date: 9-25-18	DATE 9/18/18	Name: KEITH W. HANSEN		R.C.E.: 66149	R.C.E.: 60569	Location: INTERSECTION OF LINDA VISTA DRIVE, BENT AVENUE AND GRAND AVENUE.
	N.F. T.G. DRAWN BY	R.C.E.: 60223		Date: 9/11/18	Date: 10-16-18	Record From: Record of Survey 13828
						Elev.: 543.629 Datum: NGVD 1929

CITY OF SAN MARCOS ENGINEERING DIVISION
NOTES:
GRAND AVE. DRAINAGE/ROAD IMPROVEMENTS - PHASE 1
CIP PROJECT CODE 88214

City Drawing No. IP-4826
Sheet 2 of 48

VWD W.O. 201930

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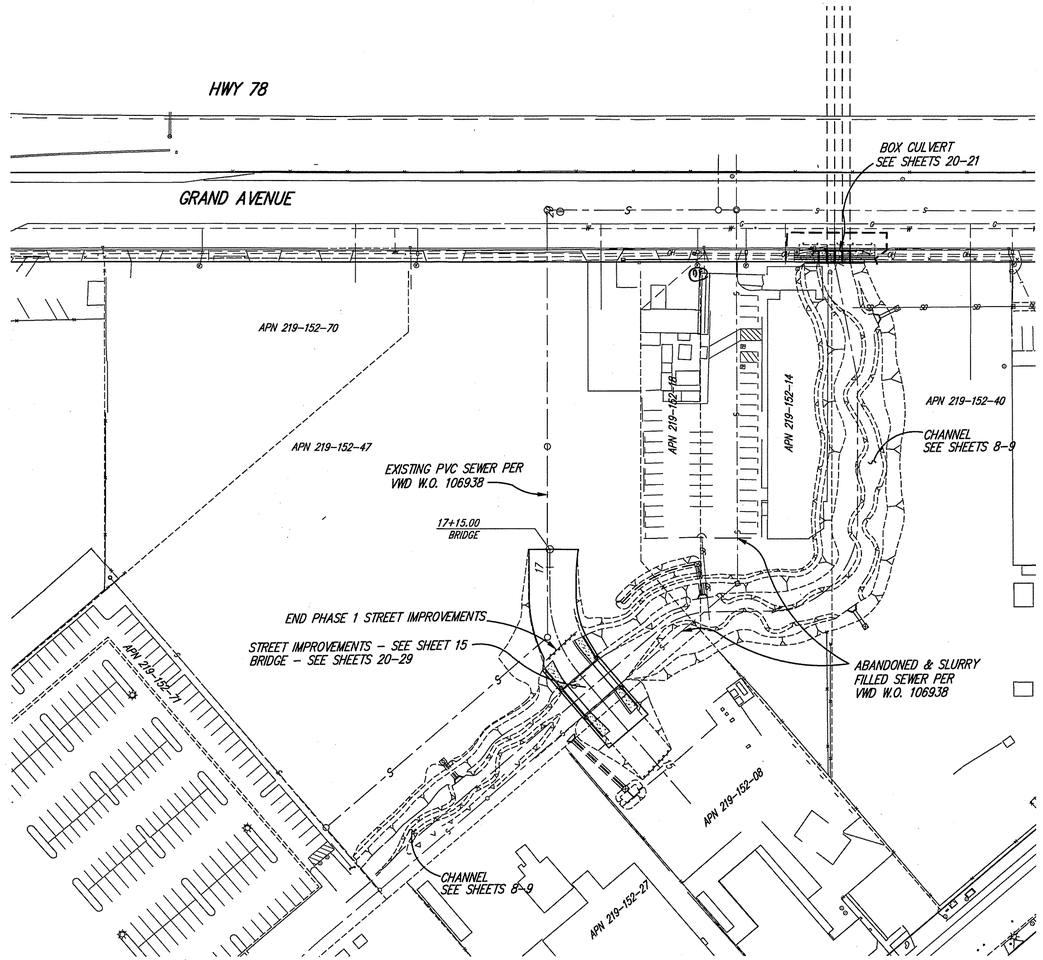

INDEX MAP

SCALE: 1" = 60'

0' 60' 120'

SCALE: 1" = 60'

LEGEND

EXISTING WATER MAIN	-W-
EXISTING SEWER	-S-
STORM DRAIN	-SD-

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CAUTION!!
CONTRACTOR TO VERIFY EXACT LOCATION OF EXISTING UTILITIES IN THE FIELD PRIOR TO CONSTRUCTION.

NOTE!!
ELECTRONIC DATA FILES ARE FOR REFERENCE ONLY AND ARE NOT TO BE USED FOR HORIZONTAL OR VERTICAL SURVEY CONTROL

INSPECTED AND RECOMMENDED
FOR "AS BUILT" ACCEPTANCE

Public Works Inspector Date

REGISTERED PROFESSIONAL ENGINEER
KEITH W. HANSEN
NO. 60223
CIVIL
STATE OF CALIFORNIA

VWD DWG. NO.

O'Day CONSULTANTS
2710 Loker Avenue West
Suite 100
Carlsbad, California 92010
760-931-7700
Fax: 760-931-8680
Civil Engineering
Planning
Processing
Surveying

DESIGNED BY: N.F. DATE: JULY 2010
DRAWN BY: T.G. SCALE:
PROJECT MGR.: K.W.H. JOB NO.: 09-1268

ENGINEER OF WORK:
KEITH W. HANSEN DATE: 8/31/18
RCE: 60223

SAN MARCOS FIRE DEPARTMENT	VALLECITOS WATER DISTRICT	ENGINEER OF WORK
By: Jason Nailon, Fire Marshal Date: 9-25-18	By: JAMES H. GUMPEL, P.E. DATE 9/18/18 DISTRICT ENGINEER R.C.E. NO. C60160 EXP. 6/2020	N.F. T.G. DRAWN BY By: Name: KEITH W. HANSEN R.C.E.: 60223

CITY APPROVED CHANGES				
No.	Description	CITY	VWD	Date

RECOMMENDED FOR APPROVAL
By: Elias Gallegos Senior Civil Engineer
R.C.E.: 66149
Date: 9/11/18

APPROVED FOR CONSTRUCTION
By: Matt Little, Public Works Director
R.C.E.: 60569
Date: 10.16.18

BENCH MARK
Description: Pt. 1032: M-10 STAMPED "CSM RCE 16421"
Location: INTERSECTION OF LINDA VISTA DRIVE, BENT AVENUE AND GRAND AVENUE.
Record From: Record of Survey 13928
Elev.: 543.629 Datum: NGVD 1929

CITY OF SAN MARCOS ENGINEERING DIVISION
NOTES & INDEX MAP FOR:
GRAND AVE. DRAINAGE/ROAD IMPROVEMENTS - PHASE 1
CIP PROJECT CODE 88214

City Drawing No.
IP-4826
Sheet 3 of 48

VWD W.O. 201930

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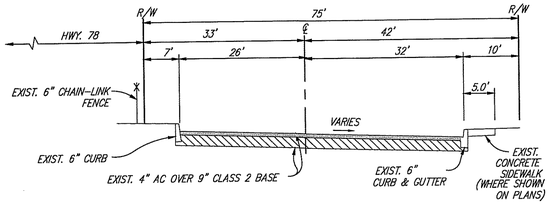
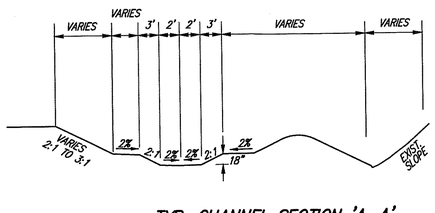


TYPICAL SECTION – GRAND AVENUE

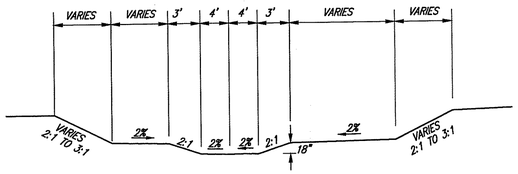
(LOOKING EAST)
NO SCALE
T.I.=6.0



TYP. CHANNEL SECTION 'A-A'
STA. 2+50 – 3+50*

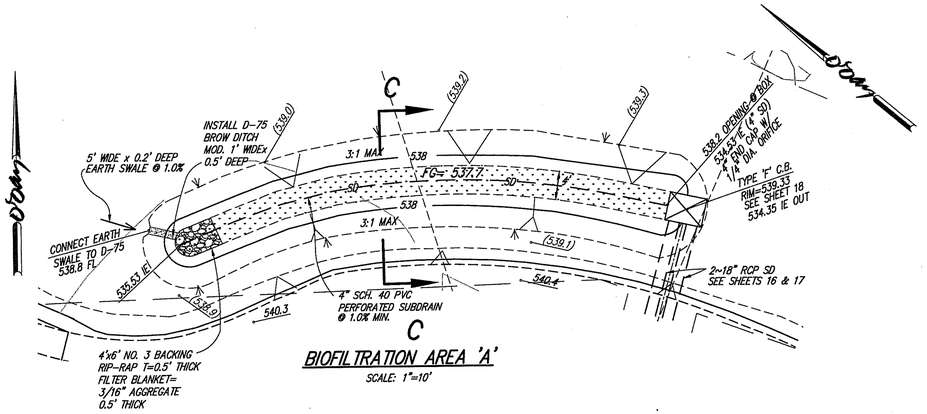
NOT TO SCALE

* BUILD CONNECTING CHANNEL TO EXIST. CHANNEL FROM STA. 3+50 TO STA. 4+28.99.

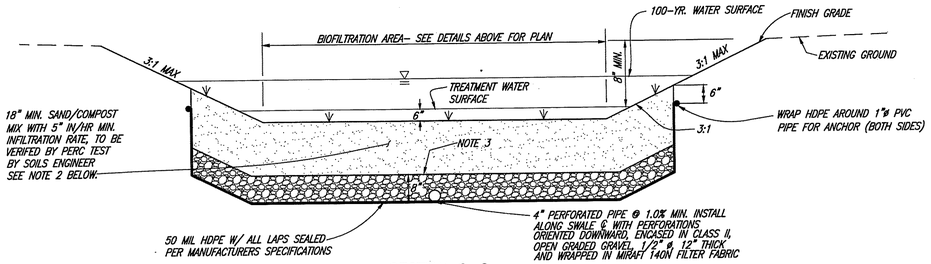


TYP. CHANNEL SECTION 'B-B'
STA. 5+19.44 – 9+00

NOT TO SCALE



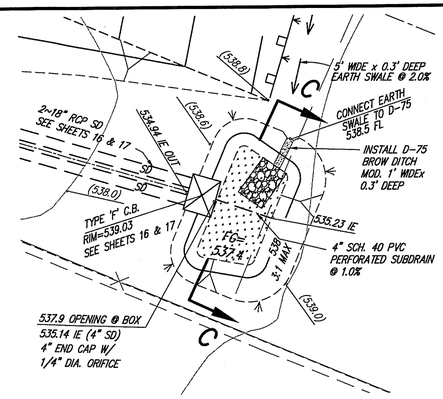
BIOFILTRATION AREA 'A'
SCALE: 1"=10'



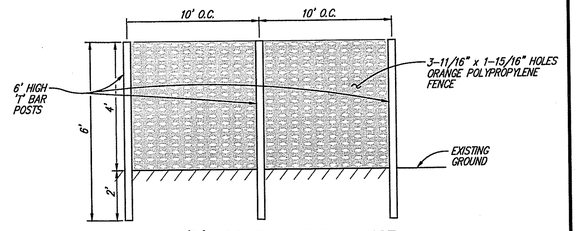
SECTION C-C

DETAIL 'A' – BIOFILTRATION AREA
NOT TO SCALE

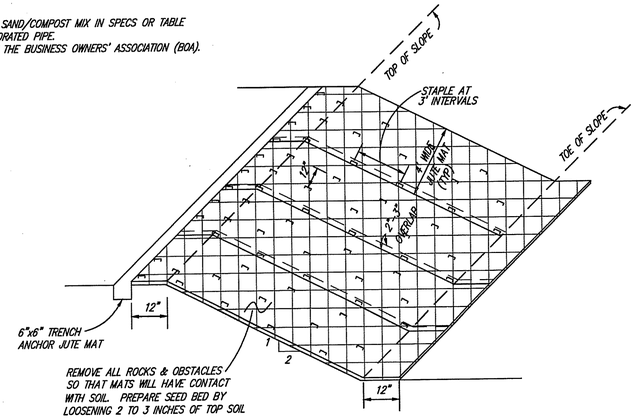
NOTE:
1. SEE LANDSCAPE PLANS FOR LANDSCAPE SPECIFICATIONS.
2. GEOTECHNICAL ENGINEER TO PROVIDE SPECIFICATIONS FOR SAND/COMPOST MIX IN SPECS OR TABLE
3. MIRAFI 140N FILTER FABRIC TO ALLOW DRAINAGE TO PERFORATED PIPE.
4. ALL ON-SITE BIORETENTION SWALES TO BE MAINTAINED BY THE BUSINESS OWNERS' ASSOCIATION (BOA).



BIOFILTRATION AREA 'B'
SCALE: 1"=10'



DETAIL 'B': CONSTRUCTION FENCE
NOT TO SCALE
NOTE: ENVIRONMENTAL FENCE TO BE USED DURING CONSTRUCTION. SEE SHEET 6 FOR LIMITS.



DETAIL- SLOPE PROTECTION- JUTE MAT
NOT TO SCALE

INSTALL: STATION 5+19 TO STATION 5+80 (LEFT) IN CHANNEL
STATION 6+00 TO 7+00 (RIGHT) IN CHANNEL

NOTES:
1. SEE MANUFACTURERE'S RECOMMENDATIONS FOR ADDITIONAL SPECIFICATIONS.
2. PLANTING ON SLOPE DETERMINED BY BIOLOGIST, SEE PLANS PREPARED BY DUDEK.

NOTE !!
ELECTRONIC DATA FILES ARE FOR REFERENCE ONLY AND ARE NOT TO BE USED FOR HORIZONTAL OR VERTICAL SURVEY CONTROL

INSPECTED AND RECOMMENDED FOR "AS BUILT" ACCEPTANCE

Public Works Inspector Date

REGISTERED PROFESSIONAL ENGINEER KEITH W. HANSEN NO. 60223 CIVIL STATE OF CALIFORNIA

O'Day CONSULTANTS
2710 Loker Avenue West, Suite 100, Carlsbad, California 92010, 760-931-7700, Fax: 760-931-8680
Civil Engineering, Planning, Processing, Surveying

VWD DWG. NO.

DESIGNED BY: N.F. DATE: JULY 2010
DRAWN BY: T.G. SCALE:
PROJECT MGR.: K.W.H. JOB NO.: 09-1268
ENGINEER OF WORK: KEITH W. HANSEN DATE: 8/31/18 RCE: 60223

SAN MARCOS FIRE DEPARTMENT	VALLECITOS WATER DISTRICT	ENGINEER OF WORK	CITY APPROVED CHANGES	RECOMMENDED FOR APPROVAL	APPROVED FOR CONSTRUCTION	BENCH MARK
By: Jason Nallon, Fire Marshal Date: 7-25-18	By: JAMES H. GUMPEL, P.E. DATE 7/18/18 DISTRICT ENGINEER R.C.E. NO. C60160 EXP. 6/2020	N.F. T.G. DRAWN BY By: Name: KEITH W. HANSEN R.C.E.: 60223	No. Description CITY VWD Date	By: Elias Gallegos Senior Civil Engineer R.C.E.: 66149 Date: 9/11/18	By: Matt Little, Public Works Director R.C.E.: 60569 Date: 10-16-18	Description: Pt. 1032: M-10 STAMPED "CSM RCE 16421" Location: INTERSECTION OF LINDA VISTA DRIVE, BENT AVENUE AND GRAND AVENUE. Record From: Record of Survey 13928 Elev.: 543.629 Datum: NGVD 1929

CITY OF SAN MARCOS ENGINEERING DIVISION
DETAILS & SECTIONS FOR: GRAND AVE. DRAINAGE/ROAD IMPROVEMENTS – PHASE 1
CIP PROJECT CODE 88214

City Drawing No. IP-4826
Sheet 4 of 48
VWD W.O. 201930

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Xrefs: 0968AI; 0968AGRD; 0968tp; 0968ASTR; 0968AUTIL; 0968AMAP

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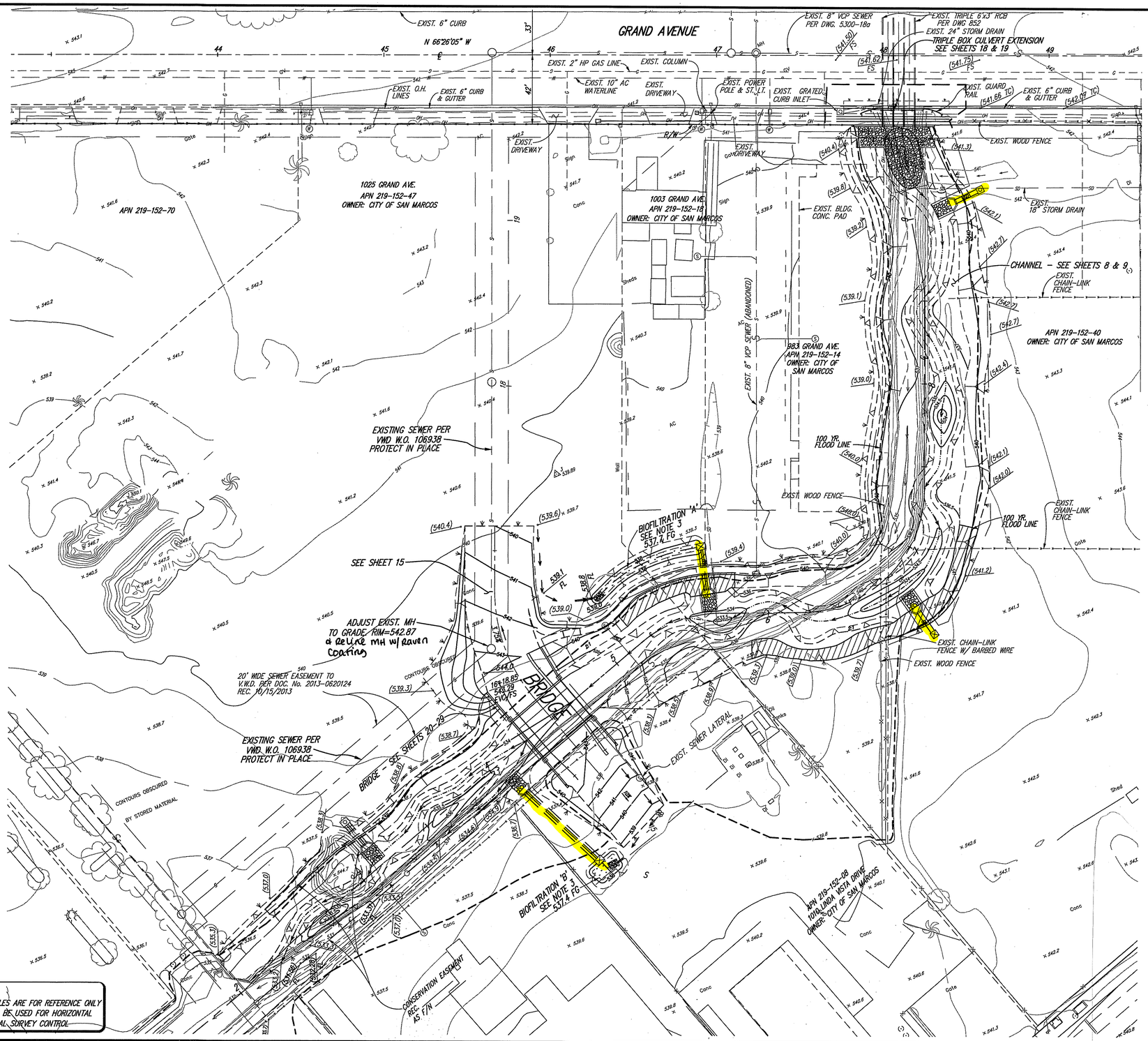

NOTES:
1. SEE SHEET 5 FOR EXISTING EASEMENT DATA TABLE.
2. SEE WETLAND MITIGATION PLANS BY DUDEK FOR LIMITS OF VEGETATION REMOVAL AND REPLACEMENT IN CHANNEL.
3. SEE SHEET 6 FOR DEMOLITION PLAN. SEE SHEET 4 FOR BIOFILTRATION DETAILS
4. SEE SHEETS 10 - 12 FOR CROSS SECTIONS AT CHANNEL
6. SEE SHEETS 16 - 17 FOR STORM DRAIN PLANS

NOTE !!
ELECTRONIC DATA FILES ARE FOR REFERENCE ONLY AND ARE NOT TO BE USED FOR HORIZONTAL OR VERTICAL SURVEY CONTROL

INSPECTED AND RECOMMENDED FOR "AS BUILT" ACCEPTANCE

Public Works Inspector Date

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VWD DWG. NO.

REGISTERED PROFESSIONAL ENGINEER KEITH W. HANSEN NO. 60223 CIVIL STATE OF CALIFORNIA

O'Day CONSULTANTS
2710 Loker Avenue West Suite 100
Carlsbad, California 92010
760-931-7700
Fax: 760-931-8680
Civil Engineering Planning Processing Surveying

DESIGNED BY: N.F. DATE: JULY 2010
DRAWN BY: T.G. SCALE:
PROJECT MGR.: K.W.H. JOB NO.: 09-1268

ENGINEER OF WORK:
KEITH W. HANSEN DATE: 8/31/18
RCE: 60223

SAN MARCOS FIRE DEPARTMENT	VALLECITOS WATER DISTRICT	ENGINEER OF WORK	CITY APPROVED CHANGES	RECOMMENDED FOR APPROVAL	APPROVED FOR CONSTRUCTION	BENCH MARK
By: Jason Nailon, Fire Marshal	By: JAMES H. GUMPEL, P.E. DISTRICT ENGINEER	N.F. T.G. DRAWN BY	No. Description CITY VWD Date	By: Elias Gallegos Senior Civil Engineer	By: Matt Little, Public Works Director	Description: PL 1032: M-10 STAMPED "CSM RCE 16421"
Date: 9-25-18	R.C.E. NO. C60160 EXP. 6/2020	By: Name: KEITH W. HANSEN R.C.E.: 60223		R.C.E.: 66149 Date: 9/11/18	R.C.E.: 60569 Date: 10-16-18	Location: INTERSECTION OF LINDA VISTA DRIVE, BENT AVENUE AND GRAND AVENUE Record From: Record of Survey 13928 Elev.: 543.629 Datum: NGVD 1929

CITY OF SAN MARCOS ENGINEERING DIVISION
GRADING PLANS FOR: CIP PROJECT CODE 88214
GRAND AVE. DRAINAGE/ROAD IMPROVEMENTS - PHASE 1

City Drawing No. IP-4826
Sheet 7 of 48
VWD W.O. 201930

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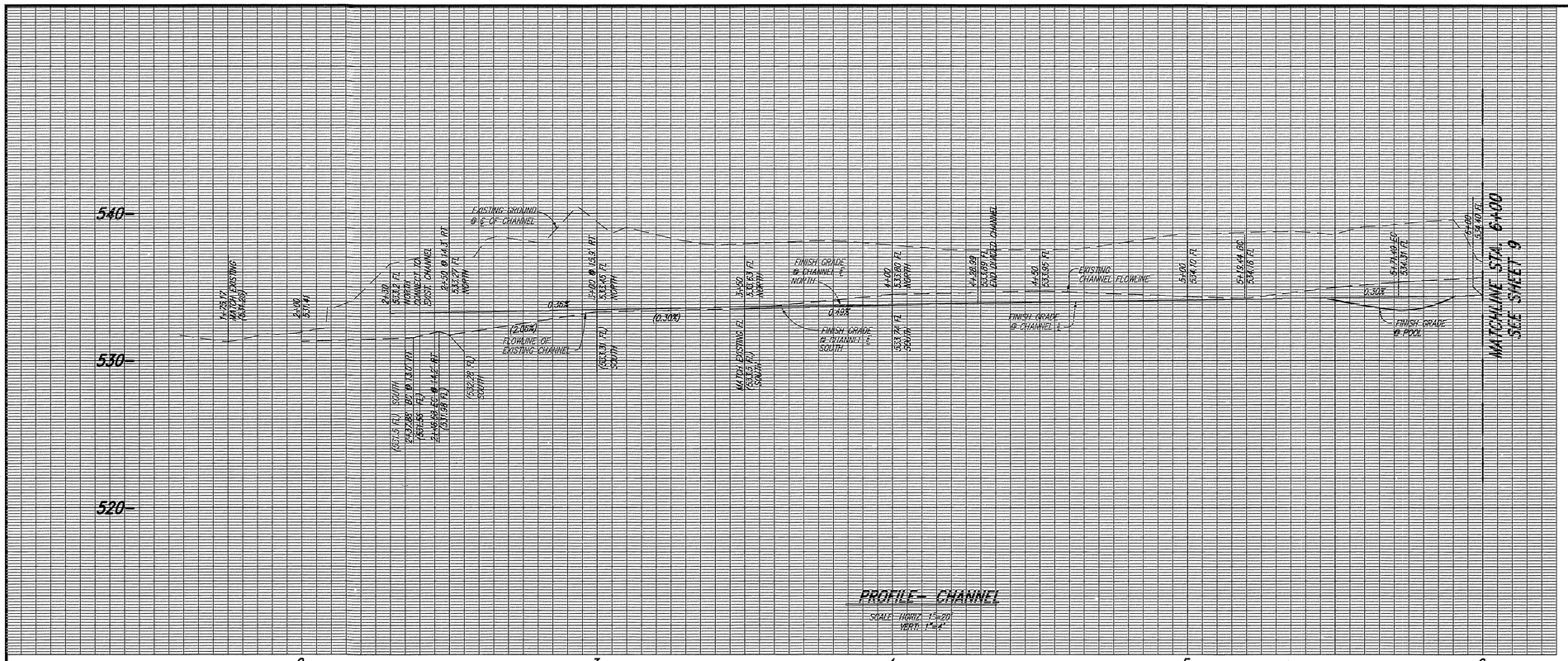
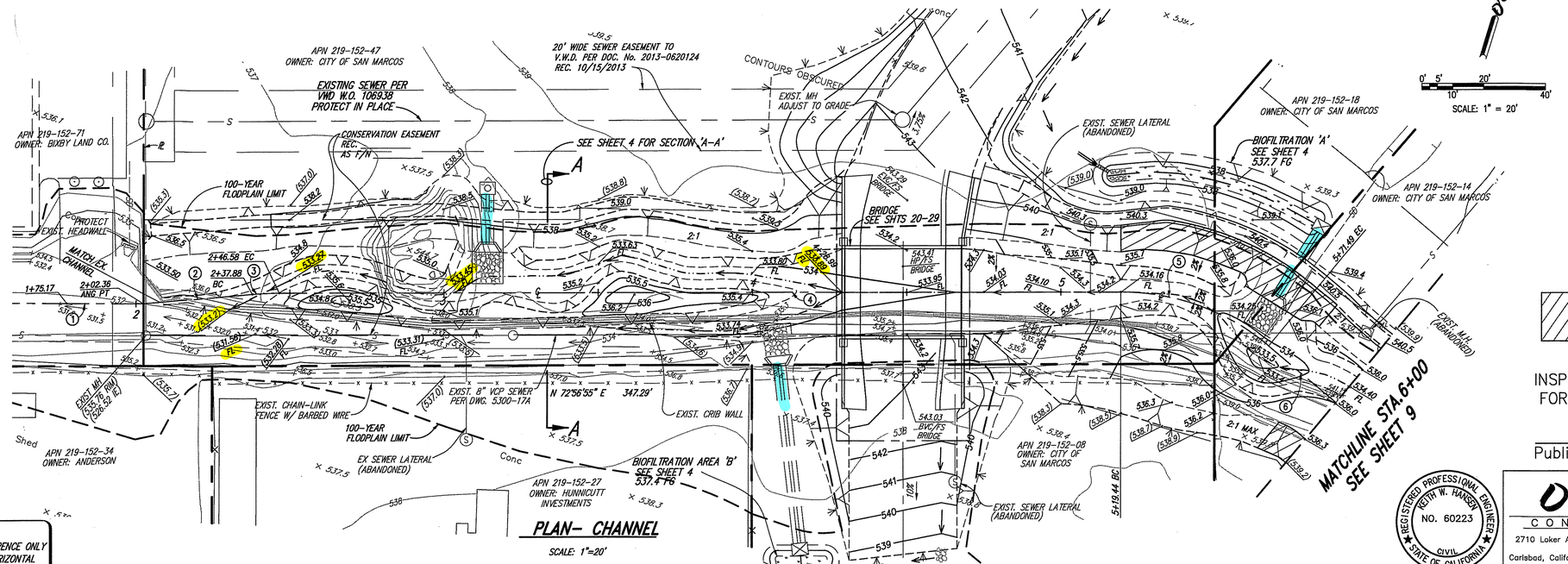


PROFILE– CHANNEL

SCALE: HORIZ. 1"=20'
VERT. 1"=4'



PLAN– CHANNEL

SCALE: 1"=20'

CHANNEL CL DATA			
NO	DELTA/BEARING	RADIUS	LENGTH
1	N 73°13'45" E	———	27.19'
2	N 67°54'47" E	———	35.52'
3	△=05°02'08"	99.00'	8.70'
4	N 72°56'55" E	———	272.86'
5	△=40°01'35"	47.50'	52.05'
6	N 67°01'30" W	———	28.51'

NOTE: CHANNEL FLOWLINE DOES NOT FOLLOW CHANNEL CENTERLINE

NOTES:
1. SEE SHEET 5 FOR EXISTING EASEMENT DATA TABLE.
2. SEE WETLAND MITIGATION PLANS BY DUDEK, SHEETS 43-48, FOR LIMITS OF VEGETATION REMOVAL AND REPLACEMENT IN CHANNEL.
3. SEE SHEET 6 FOR DEMOLITION PLAN
4. SEE SHEETS 10 – 12 FOR CROSS SECTIONS AT CHANNEL
6. SEE SHEETS 16 – 17 FOR STORM DRAIN PLANS

STATION 5+20 TO 5+80 NORTHERLY BANK AND STATION 5+90 TO 7+20 SOUTHERLY BANK INDICATES AREA OF SLOPE PROTECTION SEE DETAIL SHEET 4.

INSPECTED AND RECOMMENDED FOR "AS BUILT" ACCEPTANCE

Public Works Inspector Date

VWD DWG. NO.

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REGISTERED PROFESSIONAL ENGINEER KEITH W. HANSEN NO. 60223 CIVIL STATE OF CALIFORNIA

O'Day CONSULTANTS
2710 Loker Avenue West Suite 100 Carlsbad, California 92010
760-931-7700 Fax: 760-931-8680
Civil Engineering Planning Processing Surveying

DESIGNED BY: N.F. DATE: JULY 2010
DRAWN BY: T.G. SCALE:
PROJECT MGR.: K.W.H. JOB NO.: 09-1268

ENGINEER OF WORK:
KEITH W. HANSEN DATE: 8/31/18
RCE: 60223

SAN MARCOS FIRE DEPARTMENT	VALLECITOS WATER DISTRICT	ENGINEER OF WORK	CITY APPROVED CHANGES	RECOMMENDED FOR APPROVAL	APPROVED FOR CONSTRUCTION	BENCH MARK
By: Jason Nallon, Fire Marshal	By: JAMES H. GUMPEL, P.E. DISTRICT ENGINEER R.C.E. NO. C60160 EXP. 6/2020 9/14/18 DATE	N.F. T.G. DRAWN BY	No. Description CITY VWD Date	By: Elias Gallegos Senior Civil Engineer	By: Matt Little, Public Works Director	Description: Pt. 1032: M-10 STAMPED "CSM RCE 16421"
Date: 9-25-18		By: Name: KEITH W. HANSEN R.C.E.: 60223		R.C.E.: 66149 Date: 9/11/18	R.C.E.: 60569 Date: 10-16-18	Location: INTERSECTION OF LINDA VISTA DRIVE, BENT AVENUE AND GRAND AVENUE. Record From: Record of Survey 13928 Elev.: 563.829 Datum: NGVD 1929

CITY OF SAN MARCOS ENGINEERING DIVISION
GRADING PLANS AT CHANNEL FOR:
GRAND AVE. DRAINAGE/ROAD IMPROVEMENTS – PHASE 1
CIP PROJECT CODE 88214

City Drawing No. IP-4826
Sheet 8 of 48

VWD W.O. 201930

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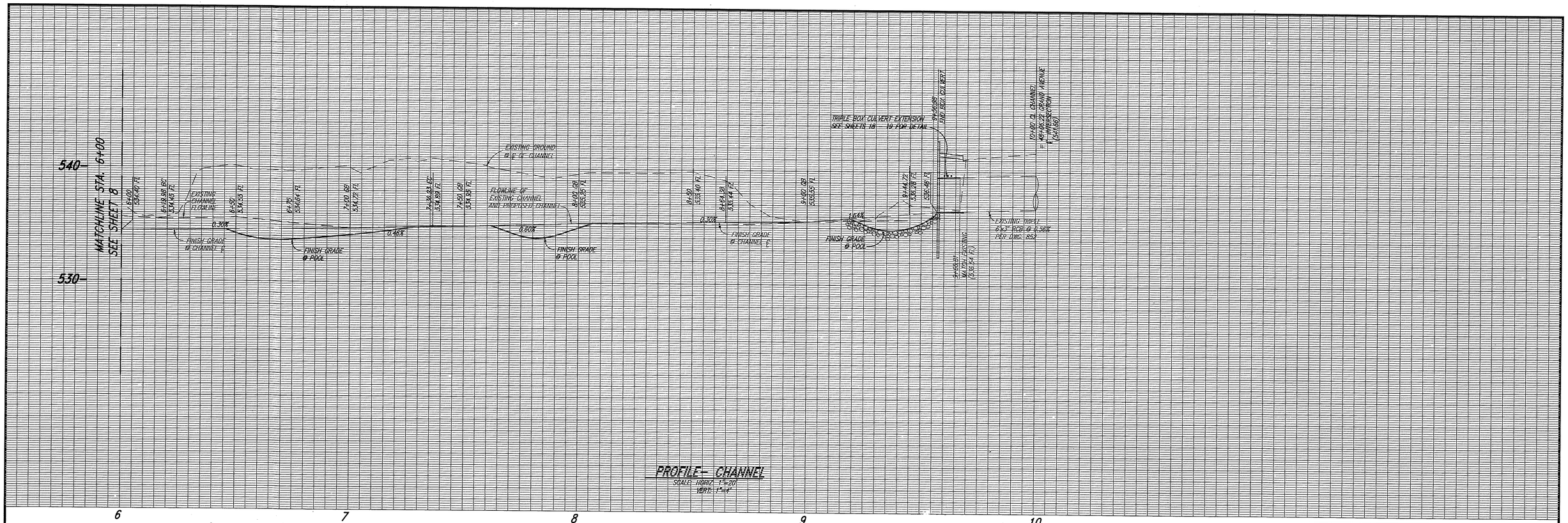

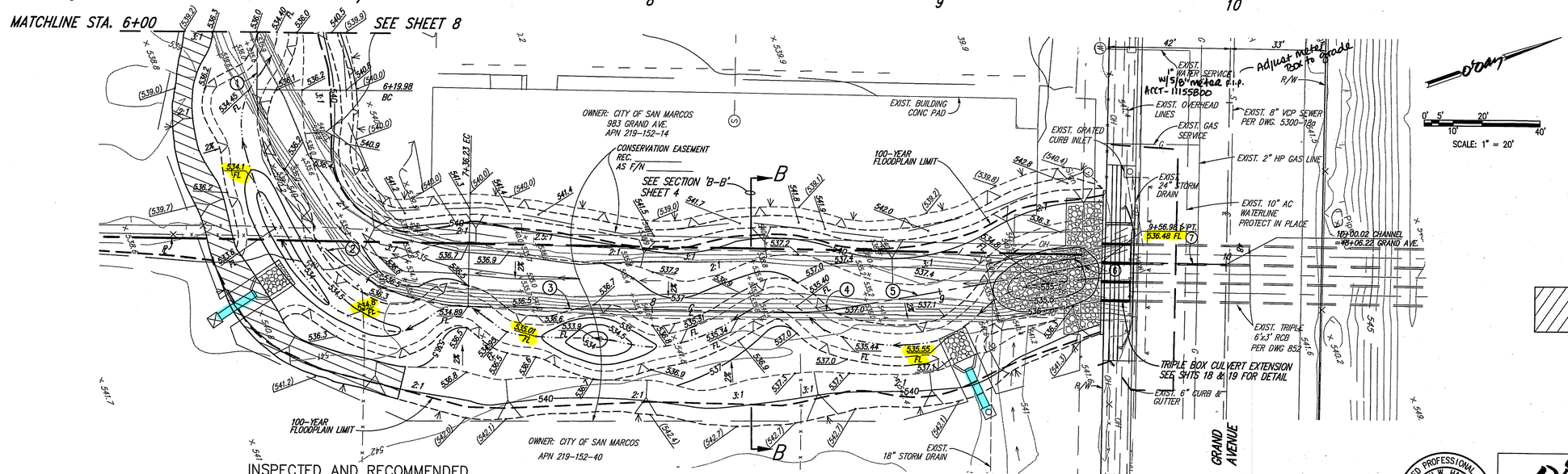

CHANNEL CL DATA

NO	DELTA/BEARING	RADIUS	LENGTH
1	N 67°01'30" W	——	19.98'
2	Δ =89°24'35"	74.50'	116.25'
3	N 23°33'55" E	——	113.99'
4	Δ =105°32'21"	74.50'	14.16'
5	N 12°40'54" E	——	80.34'
6	N 11°45'22" E	——	12.28'
7	N 23°33'55" E	——	43.04'

NOTE: CHANNEL FLOWLINE DOES NOT FOLLOW CHANNEL CENTERLINE

NOTES:
1. SEE SHEET 5 FOR EXISTING EASEMENT DATA TABLE.
2. SEE WETLAND MITIGATION PLANS, SHEETS 43–48, BY DUDEK FOR LIMITS OF VEGETATION REMOVAL AND REPLACEMENT IN CHANNEL.
3. SEE SHEET 6 FOR DEMOLITION PLAN
4. SEE SHEETS 10 – 12 FOR CROSS SECTIONS AT CHANNEL
6. SEE SHEETS 16 – 17 FOR STORM DRAIN PLANS

PLAN– CHANNEL
SCALE: 1"=20'

INSPECTED AND RECOMMENDED FOR "AS BUILT" ACCEPTANCE

Public Works Inspector Date

NOTE !!
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REGISTERED PROFESSIONAL ENGINEER — KEITH W. HANSEN — NO. 60223 — CIVIL — STATE OF CALIFORNIA

VWD DWG. NO.

O'Day CONSULTANTS
2710 Loker Avenue West, Suite 100, Carlsbad, California 92010
760-931-7700 Fax: 760-931-8680
Civil Engineering, Planning, Processing, Surveying

DESIGNED BY: N.F. DATE: JULY 2010
DRAWN BY: T.G. SCALE:
PROJECT MGR.: K.W.H. JOB NO.: 09-1268

ENGINEER OF WORK:
KEITH W. HANSEN DATE: 8/31/18
RCE: 60223

SAN MARCOS FIRE DEPARTMENT	VALLECITOS WATER DISTRICT	ENGINEER OF WORK	CITY APPROVED CHANGES	RECOMMENDED FOR APPROVAL	APPROVED FOR CONSTRUCTION	BENCH MARK
By: Jason Nallon, Fire Marshal	By: JAMES H. GUMPEL, P.E. DISTRICT ENGINEER R.C.E. NO. C60160 EXP. 6/2020	By: Name: KEITH W. HANSEN R.C.E.: 60223	No. Description CITY VWD Date	By: Elias Gallegos Senior Civil Engineer R.C.E.: 66149 Date: 9/11/18	By: Matt Little, Public Works Director R.C.E.: 60569 Date: 10-16-18	Description: Pt. 1032: M-10 STAMPED "CSM RCE 16421" Location: INTERSECTION OF LINDA VISTA DRIVE, BENT AVENUE AND GRAND AVENUE Record From: Record of Survey 13828 Elev.: 543.629 Datum: NGVD 1929
Date: 9-25-18	Date: 9/14/18	N.F. T.G. DRAWN BY				

CITY OF SAN MARCOS ENGINEERING DIVISION
GRADING PLANS AT CHANNEL FOR:
GRAND AVE. DRAINAGE/ROAD IMPROVEMENTS – PHASE 1
CIP PROJECT CODE 88214

City Drawing No. IP-4826
Sheet 9 of 48
VWD W.O. 201930

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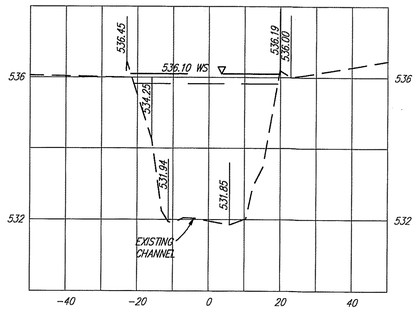
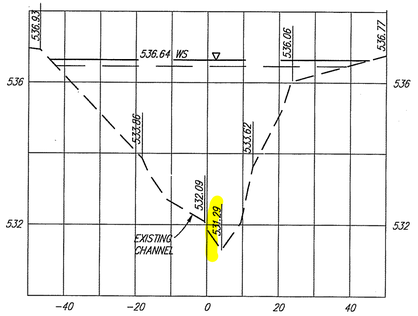
1+50



2+00



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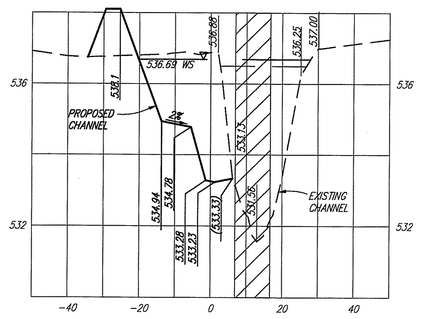

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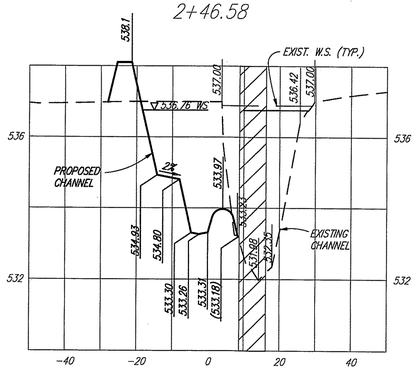
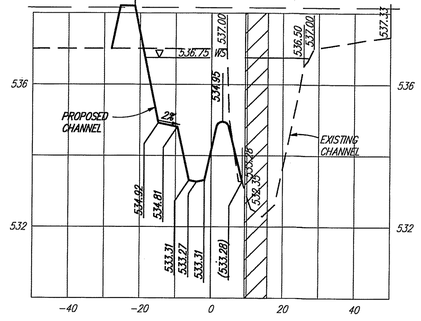


(526.70) IE

EXISTING 8" SEWER (TYP.) ABANDONED AND SLURRY FILLED

(526.74) IE

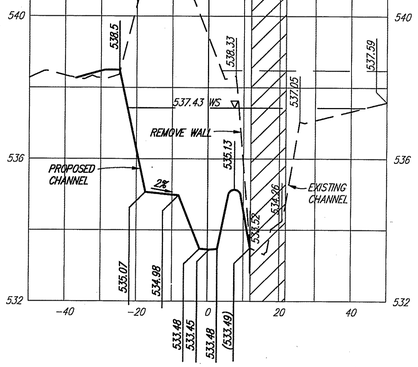
2+50



(526.76) IE

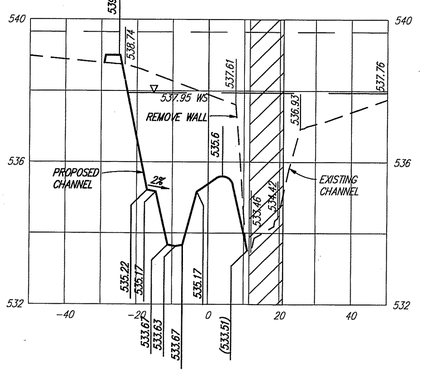
3+00

CROSS HATCHED INDICATES LIMITS OF BIOLOGICAL CONSTRAINT AREA (TYP) SEE NOTE 1 BELOW.



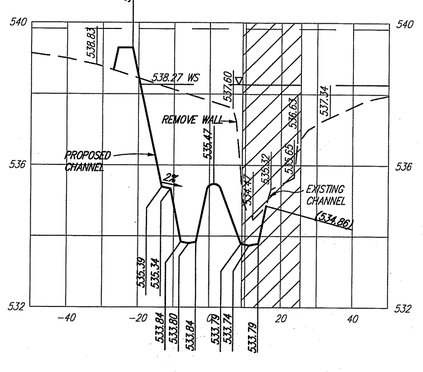
(527.01) IE

3+50



(527.25) IE

4+00



(527.47) IE

CROSS-SECTIONS EXISTING & PROPOSED CHANNEL
STA. 1+50 TO STA. 4+00

NOTES:

1. CONTRACTOR SHALL COORDINATE WITH PROJECT BIOLOGIST FOR BIOLOGICAL CONSTRAINT AREAS THAT CAN BE DISTURBED.
2. SEE WETLAND MITIGATION PLANS BY DUDEK FOR LIMITS OF VEGETATION REMOVAL AND REPLACEMENT IN CHANNEL.

NOTE !!
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INSPECTED AND RECOMMENDED FOR "AS BUILT" ACCEPTANCE

Public Works Inspector Date

NOTE !!
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REGISTERED PROFESSIONAL ENGINEER KEITH W. HANSEN NO. 60223 CIVIL STATE OF CALIFORNIA

VWD DWG. NO.

O'Day CONSULTANTS
2710 Loker Avenue West, Suite 100, Carlsbad, California 92010
760-931-7700 Fax: 760-931-8680
Civil Engineering Planning Processing Surveying

DESIGNED BY: N.F. DATE: JULY 2010
DRAWN BY: T.G. SCALE: 1"=20'H;1"=2'V
PROJECT MGR.: K.W.H. JOB NO.: 09-1268
ENGINEER OF WORK: KEITH W. HANSEN DATE: 8/31/18 RCE: 60223

SAN MARCOS FIRE DEPARTMENT	VALLECITOS WATER DISTRICT	ENGINEER OF WORK
By: Jason Nallon, Fire Marshal	By: JAMES H. GUMPEL, P.E. DISTRICT ENGINEER R.C.E. NO. C60116 EXP. 6/2020 DATE 9/19/18	N.F. T.G. DRAWN BY
Date: 9-25-18		By: Name: KEITH W. HANSEN R.C.E.: 60223

CITY APPROVED CHANGES

No.	Description	CITY	VWD	Date

RECOMMENDED FOR APPROVAL
By: Elias Gallegos Senior Civil Engineer
R.C.E.: 66149
Date: 9.11.18

APPROVED FOR CONSTRUCTION
By: Matt Little, Public Works Director
R.C.E.: 60569
Date: 10-16-18

BENCH MARK
Description: Pt. 1032: M-10 STAMPED "CSM RCE 16421"
Location: INTERSECTION OF LINDA VISTA DRIVE, BENT AVENUE AND GRAND AVENUE
Record From: Record of Survey 13928
Elev.: 544.629 Datum: NGVD 1929

CITY OF SAN MARCOS ENGINEERING DIVISION
CROSS-SECTIONS AT CHANNEL FOR:
GRAND AVE. DRAINAGE/ROAD IMPROVEMENTS - PHASE 1
CIP PROJECT CODE 88214

City Drawing No. IP-4826
Sheet 10 of 48

VWD W.O. 201930

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Xrefs: 09688XSEC; 09687ult; 09688AI

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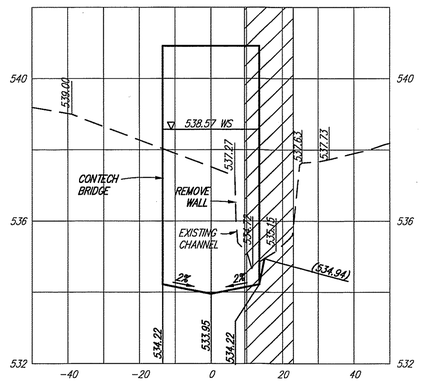

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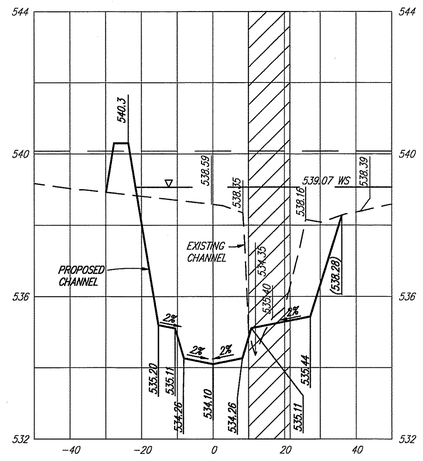

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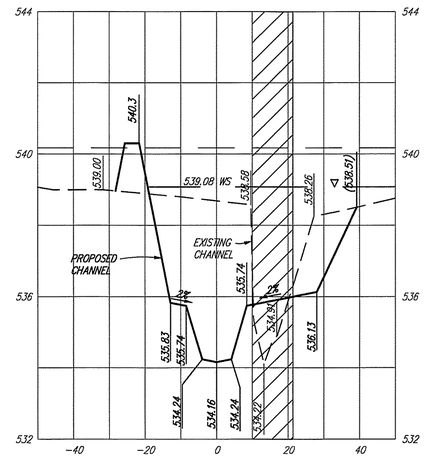

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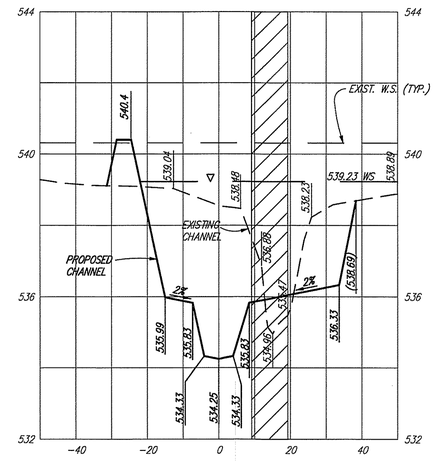

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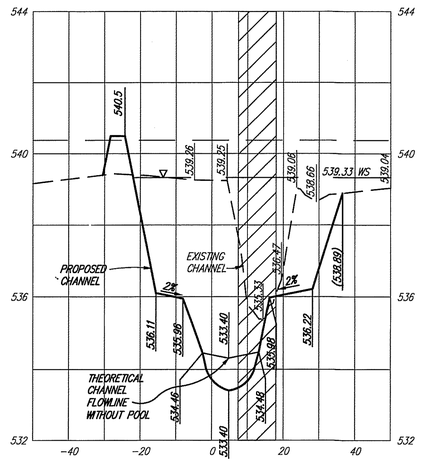

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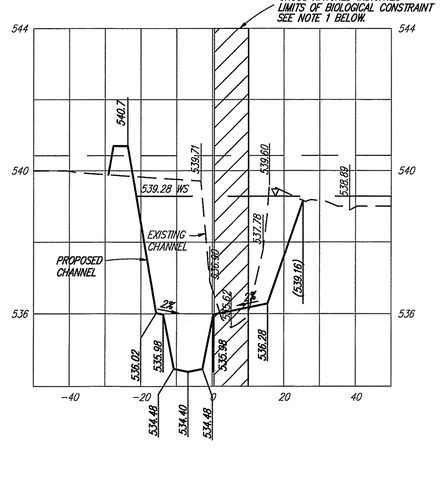

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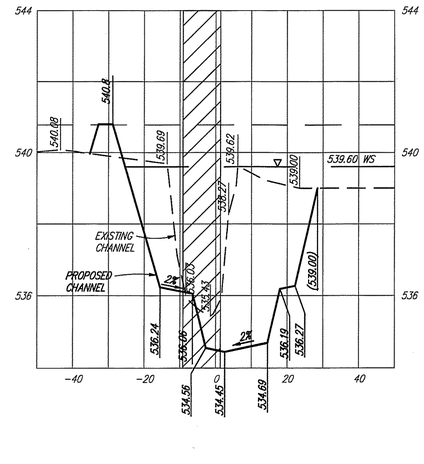

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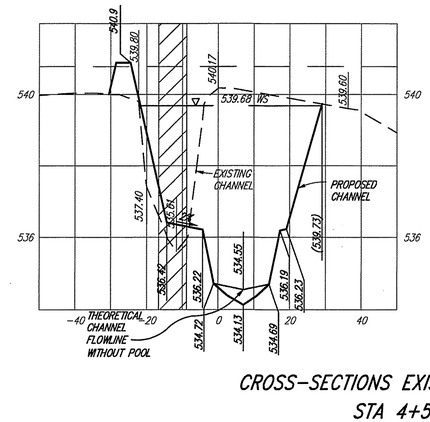

CROSS-SECTIONS EXISTING & PROPOSED CHANNEL
STA 4+50 TO STA. 6+50

NOTES:

1. CONTRACTOR SHALL COORDINATE WITH PROJECT BIOLOGIST FOR BIOLOGICAL CONSTRAINT AREAS THAT CAN BE DISTURBED.
2. SEE WETLAND MITIGATION PLANS BY DUDEK FOR LIMITS OF VEGETATION REMOVAL AND REPLACEMENT IN CHANNEL.

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INSPECTED AND RECOMMENDED FOR "AS BUILT" ACCEPTANCE

Public Works Inspector Date

REGISTERED PROFESSIONAL ENGINEER — KEITH W. HANSEN — NO. 60223 — CIVIL — STATE OF CALIFORNIA

VWD DWG. NO.

O'Day CONSULTANTS
2710 Loker Avenue West, Suite 100, Carlsbad, California 92010
760-931-7700 Fax: 760-931-8680
Civil Engineering, Planning, Processing, Surveying

DESIGNED BY: N.F. DATE: JULY 2010
DRAWN BY: T.G. SCALE: 1"=20'H;1"=2'V
PROJECT MGR.: K.W.H. JOB NO.: 09-1268

ENGINEER OF WORK: KEITH W. HANSEN DATE: 8/31/18 RCE: 60223

SAN MARCOS FIRE DEPARTMENT	VALLECITOS WATER DISTRICT	ENGINEER OF WORK	CITY APPROVED CHANGES	RECOMMENDED FOR APPROVAL	APPROVED FOR CONSTRUCTION	BENCH MARK
By: Jason Nallon, Fire Marshal Date: 9-25-18	By: JAMES H. GUMPEL, P.E. DISTRICT ENGINEER R.C.E. NO. C60160 EXP. 6/2020 DATE 9/28/18	N.F. T.G. DRAWN BY By: Name: KEITH W. HANSEN R.C.E.: 60223	No. Description CITY VWD Date	By: Elias Gallegos Senior Civil Engineer R.C.E.: 66149 Date: 9/11/18	By: Matt Little, Public Works Director R.C.E.: 60569 Date: 10-16-18	Description: Pt. 1032, M-10 STAMPED "CSM RCE 16421" Location: INTERSECTION OF LINDA VISTA DRIVE, BENT AVENUE AND GRAND AVENUE Record From: Record of Survey 13928 Elev.: 543.629 Datum: NGVD 1929

CITY OF SAN MARCOS ENGINEERING DIVISION
CROSS-SECTIONS AT CHANNEL FOR:
GRAND AVE. DRAINAGE/ROAD IMPROVEMENTS – PHASE 1

City Drawing No. IP-4826
Sheet 11 of 48
VWD W.O. 201930

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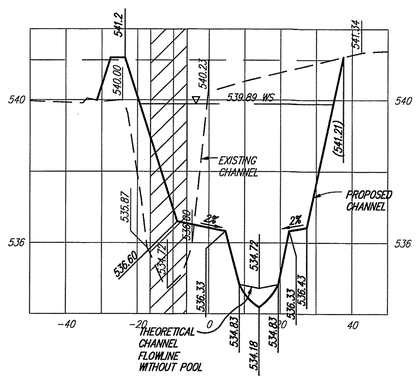
Xrefs: 0968XSEC; 09687utl; 0968Al

7+00



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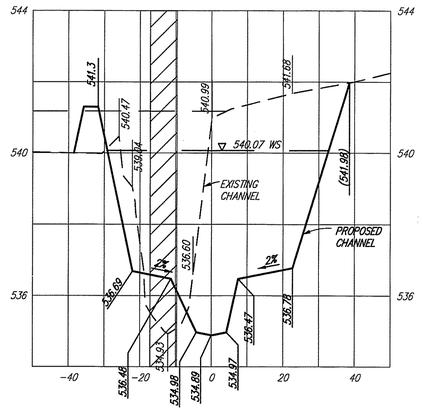

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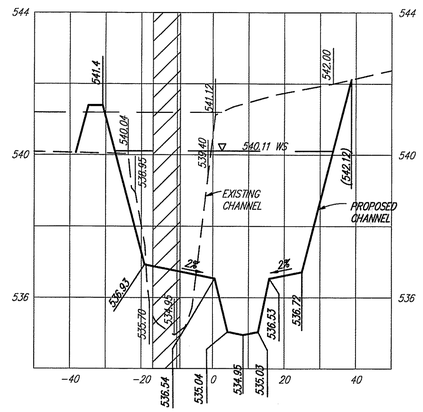

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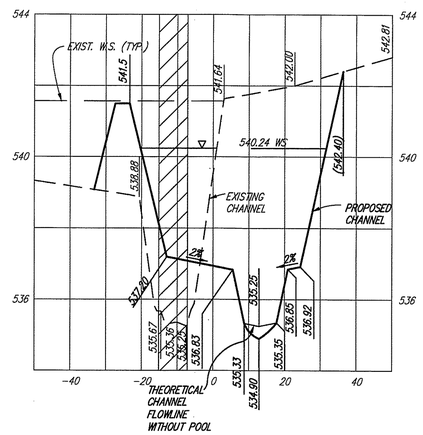

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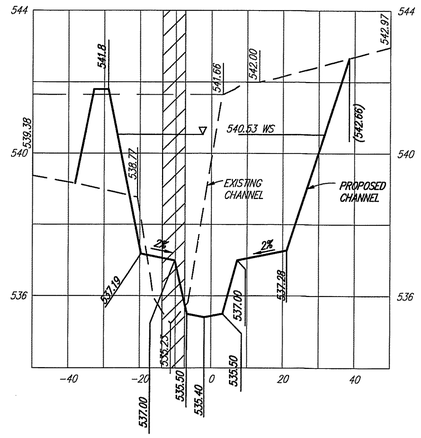

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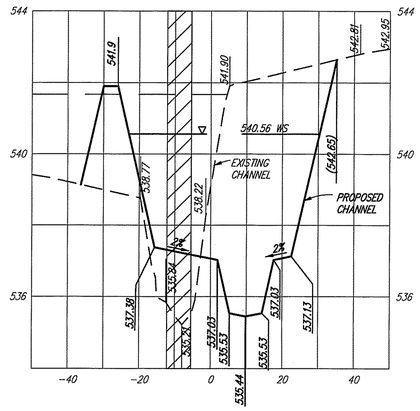

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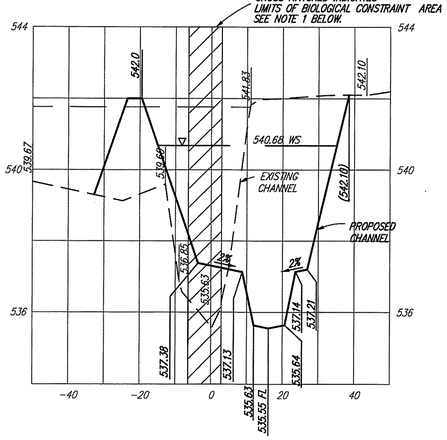

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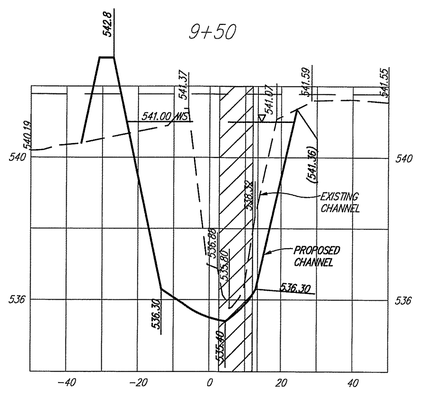

CROSS-SECTIONS EXISTING & PROPOSED CHANNEL STA 7+00 TO STA. 9+50

NOTES:

1. CONTRACTOR SHALL COORDINATE WITH PROJECT BIOLOGIST FOR BIOLOGICAL CONSTRAINT AREAS THAT CAN BE DISTURBED.
2. SEE WETLAND MITIGATION PLANS BY DUDEK FOR LIMITS OF VEGETATION REMOVAL AND REPLACEMENT IN CHANNEL.

INSPECTED AND RECOMMENDED FOR "AS BUILT" ACCEPTANCE

Public Works Inspector Date

NOTE !!
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REGISTERED PROFESSIONAL ENGINEER — KEITH W. HANSEN — NO. 60223 — CIVIL — STATE OF CALIFORNIA

O'Day CONSULTANTS
2710 Loker Avenue West, Suite 100, Carlsbad, California 92010
760-931-7700 Fax: 760-931-8680
Civil Engineering, Planning, Processing, Surveying

VWD DWG. NO.

DESIGNED BY: N.F. DATE: JULY 2010
DRAWN BY: T.G. SCALE: 1"=20'H;1"=2'V
PROJECT MGR.: K.W.H. JOB NO.: 09-1268

ENGINEER OF WORK: KEITH W. HANSEN DATE: 8/31/18 RCE: 60223

SAN MARCOS FIRE DEPARTMENT	VALLECITOS WATER DISTRICT	ENGINEER OF WORK	CITY APPROVED CHANGES	RECOMMENDED FOR APPROVAL	APPROVED FOR CONSTRUCTION	BENCH MARK
By: Jason Nallon, Fire Marshal Date: 9-25-18	By: JAMES H. GUMPEL, P.E. DISTRICT ENGINEER R.C.E. NO. C60160 EXP. 6/2020 DATE 9/9/18	N.F. T.G. DRAWN BY By: Name: KEITH W. HANSEN R.C.E.: 60223	No. / Description / CITY / VWD / Date	By: Elias Gallegos Senior Civil Engineer R.C.E.: 66149 Date: 9/11/18	By: Matt Little, Public Works Director R.C.E.: 60569 Date: 10-16-18	Description: PI. 1032: M-10 STAMPED "CSM RCE 16421" Location: INTERSECTION OF LINDA VISTA DRIVE, BENT AVENUE AND GRAND AVENUE Record From: Record of Survey 13928 Elev.: 543.629 Datum: NGVD 1929

CITY OF SAN MARCOS ENGINEERING DIVISION
CROSS-SECTIONS AT CHANNEL FOR:
GRAND AVE. DRAINAGE/ROAD IMPROVEMENTS - PHASE 1
CIP PROJECT CODE 98214

City Drawing No. IP-4826
Sheet 12 of 48

VWD W.O. 201930

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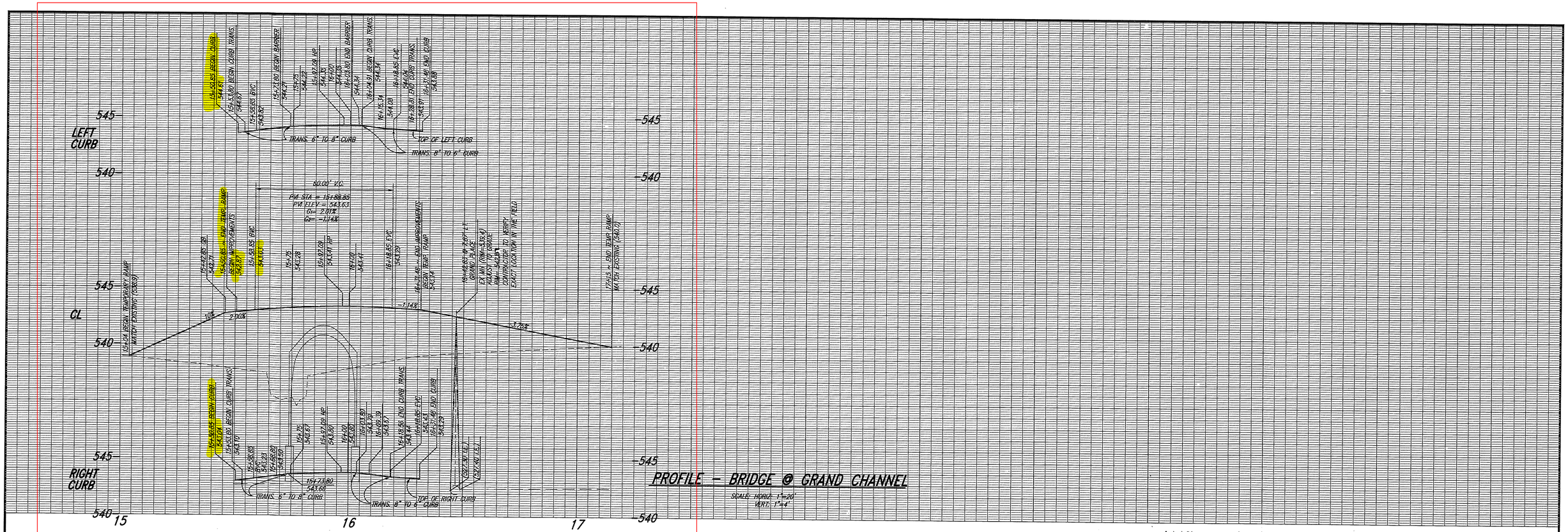
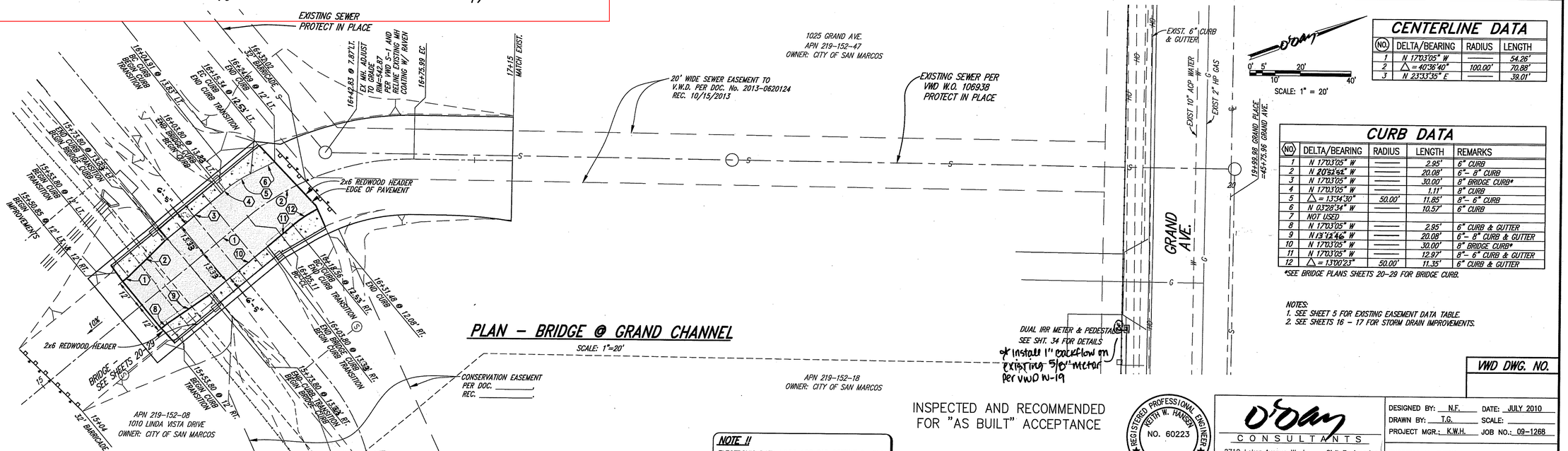
Xrefs: 0968XSEC; 0968Tut1; 0968AI





CENTERLINE DATA

NO.	DELTA/BEARING	RADIUS	LENGTH
1	N 17°03'05" W	———	54.26'
2	Δ = 40°36'40"	100.00'	70.88'
3	N 23°33'35" E	———	39.01'

SCALE: 1" = 20'

CURB DATA

NO.	DELTA/BEARING	RADIUS	LENGTH	REMARKS
1	N 17°03'05" W	———	2.95'	6" CURB
2	N 20°32'52" W	———	20.08'	6"- 8" CURB
3	N 17°03'05" W	———	30.00'	8" BRIDGE CURB*
4	N 17°03'05" W	———	1.11'	8" CURB
5	Δ = 13°34'30"	50.00'	11.85'	8"- 6" CURB
6	N 03°28'34" W	———	10.57'	6" CURB
7	NOT USED			
8	N 17°03'05" W	———	2.95'	6" CURB & GUTTER
9	N 13°12'46" W	———	20.08'	6"- 8" CURB & GUTTER
10	N 17°03'05" W	———	30.00'	8" BRIDGE CURB*
11	N 17°03'05" W	———	12.97'	8"- 6" CURB & GUTTER
12	Δ = 13°00'23"	50.00'	11.35'	6" CURB & GUTTER

*SEE BRIDGE PLANS SHEETS 20-29 FOR BRIDGE CURB.

NOTES:
1. SEE SHEET 5 FOR EXISTING EASEMENT DATA TABLE.
2. SEE SHEETS 16 – 17 FOR STORM DRAIN IMPROVEMENTS.

NOTE !!
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INSPECTED AND RECOMMENDED FOR "AS BUILT" ACCEPTANCE

Public Works Inspector Date

REGISTERED PROFESSIONAL ENGINEER KEITH W. HANSEN NO. 60223 CIVIL STATE OF CALIFORNIA

VWD DWG. NO.

O'Day CONSULTANTS
2710 Loker Avenue West Suite 100
Carlsbad, California 92010
760-931-7700
Fax: 760-931-8680
Civil Engineering Planning Processing Surveying

DESIGNED BY: N.F. DATE: JULY 2010
DRAWN BY: T.G. SCALE:
PROJECT MGR.: K.W.H. JOB NO.: 09-1268
ENGINEER OF WORK: KEITH W. HANSEN DATE: 8/31/18 RCE: 60223

SAN MARCOS FIRE DEPARTMENT	VALLECITOS WATER DISTRICT	ENGINEER OF WORK	CITY APPROVED CHANGES	RECOMMENDED FOR APPROVAL	APPROVED FOR CONSTRUCTION	BENCH MARK
By: Jason Nallon, Fire Marshal	By: JAMES H. GUMPEL, P.E. DISTRICT ENGINEER R.C.E. NO. C60160 EXP. 6/2020	By: Name: KEITH W. HANSEN R.C.E.: 60223	No. Description CITY VWD Date	By: Elias Gallegos Senior Civil Engineer R.C.E.: 66149 Date: 9/11/18	By: Matt Little, Public Works Director R.C.E.: 60569 Date: 10-16-18	Description: PT. 1032: M-10 STAMPED "CSM RCE 16421" Location: INTERSECTION OF LINDA VISTA DRIVE, BENT AVENUE AND GRAND AVENUE Record From: Record of Survey 13928 Elev.: 543.629 Datum: NGVD 1929
Date: 9-25-18	DATE 9/18/18	N.F. T.G. DRAWN BY				

CITY OF SAN MARCOS ENGINEERING DIVISION
SURFACE IMPROVEMENT PLANS FOR:
GRAND CHANNEL BRIDGE
CIP PROJECT CODE 88214

City Drawing No. IP-4826
Sheet 15 of 48

VWD W.O. 201930

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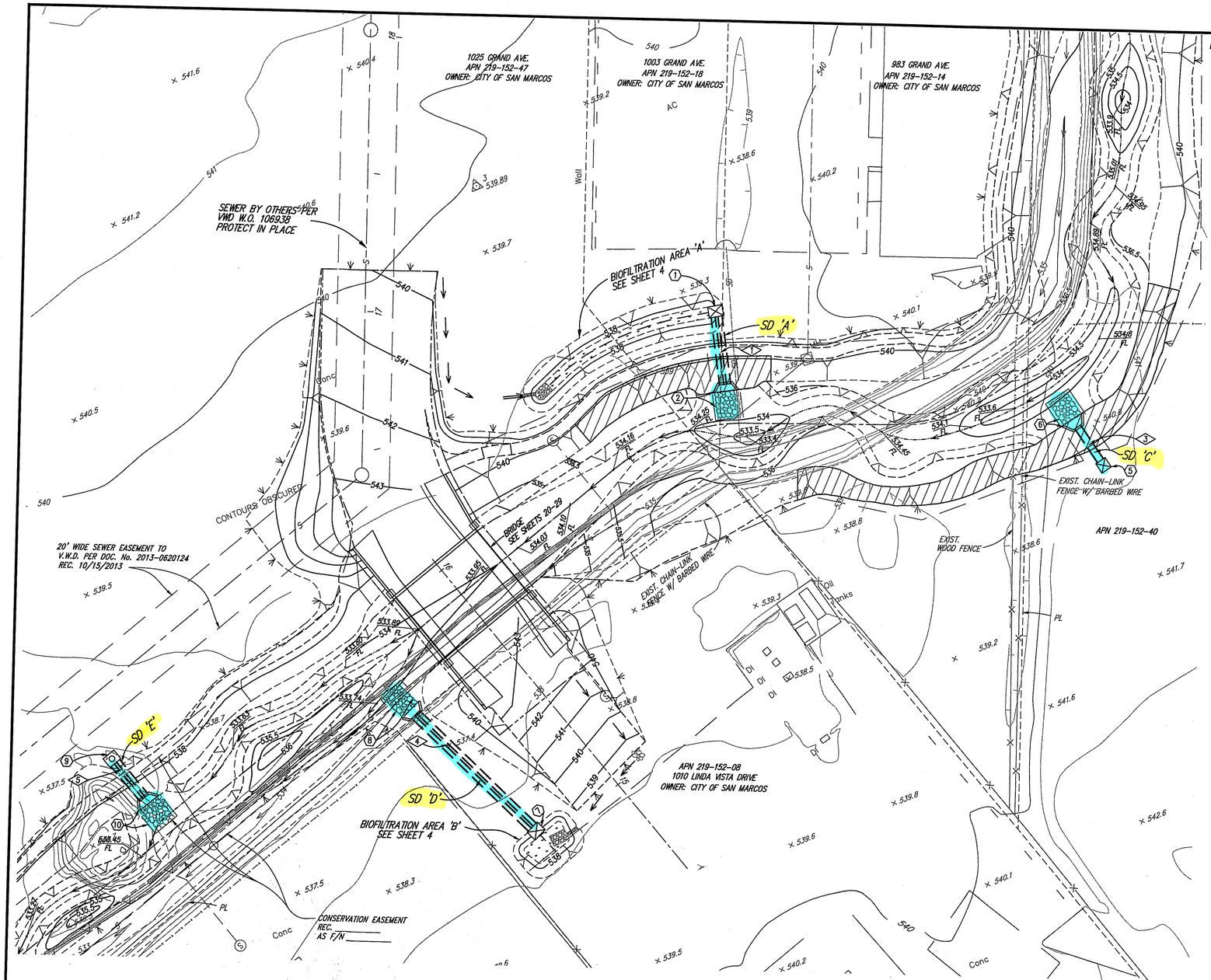
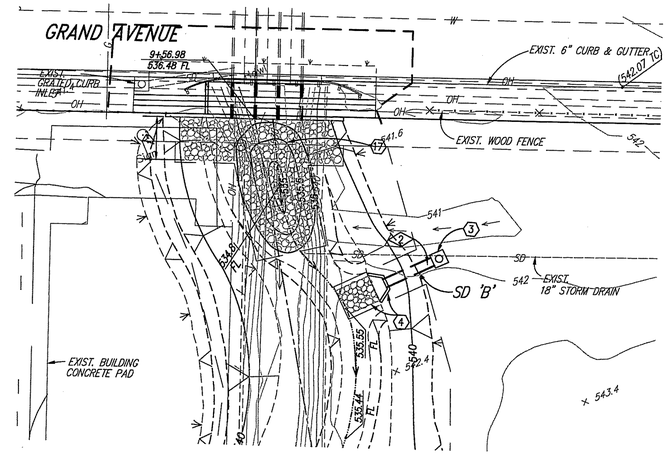
G:\09126R\09SBAIIS.dwg Aug 30, 2018 7:34am
Xrefs: 09SBAMAP; 09SBAGRD; 09SBTUTL; 09SBAUTL; 09SBAPRO; 09SBAI; 09SBASTR; 09SBTP



PLAN- STORM DRAINS 'A', 'C', 'D', 'E'

SCALE: 1"=20'



PLAN- STORM DRAIN 'B'

SCALE: 1"=20'

NOTES:
1. SEE SHEET 5 FOR EXISTING EASEMENT DATA TABLE.
2. SEE WETLAND MITIGATION PLANS BY DUDEK FOR LIMITS OF VEGETATION REMOVAL AND REPLACEMENT IN CHANNEL.
3. SEE SHEET 6 FOR DEMOLITION PLAN.
4. SEE SHEETS 10 – 12 FOR CROSS SECTIONS AT CHANNEL
6. SEE SHEET 17 FOR STORM DRAIN PROFILES

STATION 5+20 TO 5+80 NORTHERLY BANK AND STATION 5+90 TO 7+20 SOUTHERLY BANK INDICATES AREA OF SLOPE PROTECTION SEE DETAIL SHEET 4.

STORM DRAIN BOX DATA

NO	DESCRIPTION
1	INSTALL TYPE 'F' C.B. MOD. INSIDE DIMENSION 4' x 5.2', OPENING ON WEST SIDE 539.33 RIM, 534.55 FL IN 534.35 FL OUT, 1/4" DIA. ORIFICE ON 4" END CAP
2*	INSTALL WING-WALL PER RSD D-34 , W/ FLAP GATE.** MODIFY F=2.6'; E=1.75'; W=4.5' 534.10 FL STA. 5+64.85 CHANNEL
3	INSTALL TYPE 'A' C.O. 541.9 RIM, 536.68 FL IN (18"), 536.05 FL OUT (30")
4*	INSTALL WING-WALL PER RSD D-34 535.76 FL STA. 9+05.28 CHANNEL
5	INSTALL TYPE 'F' C. B. MOD. INSIDE DIMENSION 4'x4', OPENING ON SOUTH SIDE 541.8 RIM, 535.22 FL OUT
6*	INSTALL WING-WALL PER RSD D-34 , W/ FLAP GATE.** MODIFY F=2.6'; E=1.75'; W=4.5' 534.93 FL STA. 6+76.46 CHANNEL
7	INSTALL TYPE 'F' C.B. MOD. INSIDE DIMENSION 4' x 5.2', OPENING ON SOUTH SIDE 538.03 RIM, 535.14 FL IN 534.94 FL OUT, 1/4" DIA. ORIFICE ON 4" END CAP
8*	INSTALL WING-WALL PER RSD D-34 , W/ FLAP GATE.** MODIFY F=2.6'; E=1.75'; W=4.5' 534.50 FL STA. 4+08.70 CHANNEL
9	INSTALL TYPE 'F' C.B. MOD. INSIDE DIMENSION 4' x 5.2', OPENINGS ON EAST & WEST SIDES 538.5 RIM, 533.87 FL OUT
10*	INSTALL WING-WALL PER RSD D-34 , W/ FLAP GATE.** MODIFY F=2.6'; E=1.75'; W=4.5' 533.71 FL STA. 3+14.09 CHANNEL

* SEE BELOW FOR RIP-RAP AT WINGWALL
** FLAP GATE TO BE SERIES 6000 – 10C FLAP GATE BY FRESNO VALVE OR EQUAL

RIP-RAP

NO	DESCRIPTION
2*	8' x 10' No. 2 BACKING RIP-RAP, T = 1.0' OVER 12" BLANKET OF 1/4" GRAVEL
4*	7.5' x 10' No. 2 BACKING RIP-RAP, T = 1.0' OVER 12" BLANKET OF 1/4" GRAVEL
6*	7.5' x 10' No. 2 BACKING RIP-RAP, T = 1.0' OVER 12" BLANKET OF 1/4" GRAVEL
8*	8' x 10' No. 2 BACKING RIP-RAP, T = 1.0' OVER 12" BLANKET OF 1/4" GRAVEL
10*	8' x 10' No. 2 BACKING RIP-RAP, T = 1.0' OVER 12" BLANKET OF 1/4" GRAVEL
17	44' x 12' ~ 1/4 TON RIP-RAP, T = 2.7' OVER 12" BLANKET OF 3/4" GRAVEL, OVER SAND. INSTALL SAME IN POOL

PRIVATE STORM DRAIN DATA

NO	LENGTH	REMARKS
1	24.56'	2 ~ 18" RCP @ 1%
2	14.74'	30" RCP @ 2%
3	14.66'	30" RCP @ 2%
4	58.50'	2 ~ 18" @ 0.75%
5	16.28'	2 ~ 18" RCP @ 1%

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Public Works Inspector Date

REGISTERED PROFESSIONAL ENGINEER KEITH W. HANSEN NO. 60223 CIVIL STATE OF CALIFORNIA

VWD DWG. NO.

SAN MARCOS FIRE DEPARTMENT
By: _____ Jason Nalton, Fire Marshal
Date: 9-25-18

VALLECITOS WATER DISTRICT
By: _____ 9/18/18
JAMES H. GUMPEL, P.E. DISTRICT ENGINEER R.C.E. NO. C60160 DATE EXP. 6/2020

ENGINEER OF WORK
By: _____
Name: KEITH W. HANSEN
R.C.E.: 60223
N.F. T.G. DRAWN BY

CITY APPROVED CHANGES

No.	Description	CITY	VWD	Date

RECOMMENDED FOR APPROVAL
By: _____ Elias Gallegos Senior Civil Engineer
R.C.E.: 66149
Date: 9/11/18

APPROVED FOR CONSTRUCTION
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R.C.E.: 60569
Date: 10-16-18

BENCH MARK
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Location: INTERSECTION OF LINDA VISTA DRIVE, BENT AVENUE AND GRAND AVENUE
Record From: Record of Survey 13928
Elev.: 543.629 Datum: NGVD 1929

O'Day CONSULTANTS
2710 Loker Avenue West Suite 100 Carlsbad, California 92010 760-931-7700 Fax: 760-931-8680
Civil Engineering Planning Processing Surveying

DESIGNED BY: N.F. DATE: JULY 2010
DRAWN BY: T.G. SCALE:
PROJECT MGR.: K.W.H. JOB NO.: 09-1268

ENGINEER OF WORK:
KEITH W. HANSEN DATE: 8/21/18 RCE: 60223

CITY OF SAN MARCOS ENGINEERING DIVISION
GRAND AVE. DRAINAGE/ROAD IMPROVEMENTS – PHASE 1
CIP PROJECT CODE 88214

City Drawing No. IP-4826
Sheet 16 of 48
VWD W.O. 201930

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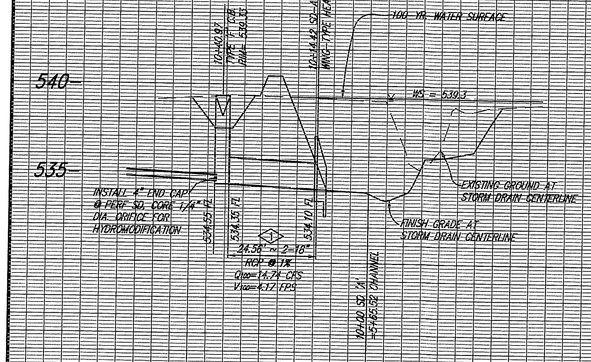
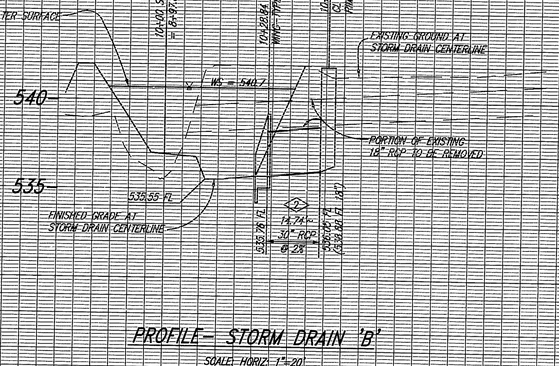


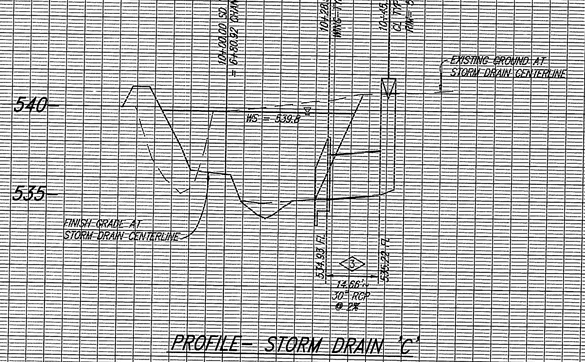
PROFILE- STORM DRAIN 'A'

SCALE: HORIZ: 1"=20'
VERT: 1"=4'



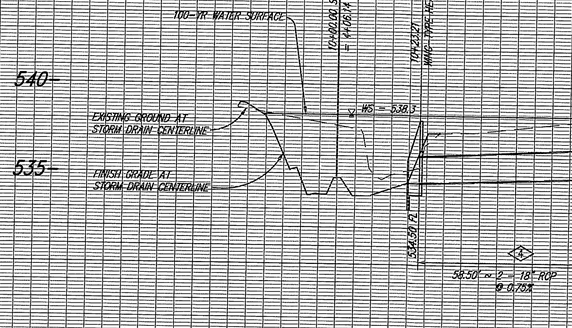
PROFILE- STORM DRAIN 'B'

SCALE: HORIZ: 1"=20'
VERT: 1"=4'



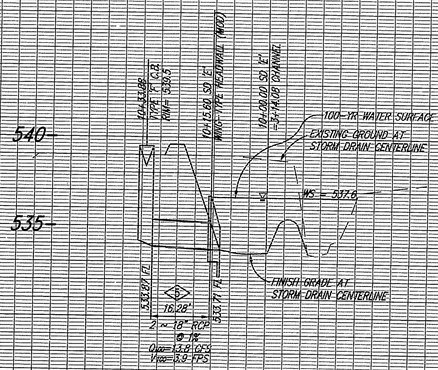
PROFILE- STORM DRAIN 'C'

SCALE: HORIZ: 1"=20'
VERT: 1"=4'



PROFILE- STORM DRAIN 'D'

SCALE: HORIZ: 1"=20'
VERT: 1"=4'



PROFILE- STORM DRAIN 'E'

SCALE: HORIZ: 1"=20'
VERT: 1"=4'

NOTE !!
ELECTRONIC DATA FILES ARE FOR REFERENCE ONLY AND ARE NOT TO BE USED FOR HORIZONTAL OR VERTICAL SURVEY CONTROL

INSPECTED AND RECOMMENDED FOR "AS BUILT" ACCEPTANCE

Public Works Inspector Date

REGISTERED PROFESSIONAL ENGINEER — KEITH W. HANSEN — NO. 60223 — CIVIL — STATE OF CALIFORNIA

O'Day CONSULTANTS
2710 Loker Avenue West, Suite 100, Carlsbad, California 92010
760-931-7700 Fax: 760-931-8680
Civil Engineering, Planning, Processing, Surveying

VWD DWG. NO.

DESIGNED BY: N.F. DATE: JULY 2010
DRAWN BY: T.G. SCALE:
PROJECT MGR.: K.W.H. JOB NO.: 09-1268
ENGINEER OF WORK: DATE: 8/31/18
KEITH W. HANSEN RCE: 60223

SAN MARCOS FIRE DEPARTMENT	VALLECITOS WATER DISTRICT	ENGINEER OF WORK	CITY APPROVED CHANGES	RECOMMENDED FOR APPROVAL	APPROVED FOR CONSTRUCTION	BENCH MARK
By: Jasón Nallon, Fire Marshal Date: 7-25-18	By: JAMES H. GUMPEL, P.E. DISTRICT ENGINEER R.C.E. NO. C60160 EXP. 6/2020 DATE 9/19/18	By: Name: KEITH W. HANSEN R.C.E.: 60223 N.F. T.G. DRAWN BY	No. / Description / CITY / VWD / Date	By: Elias Gallegos Senior/Civil Engineer R.C.E.: 66149 Date: 9/11/18	By: Matt Little, Public Works Director R.C.E.: 60569 Date: 10-16-18	Description: Pt. 1032: M-10 STAMPED "CSM RCE 16421" Location: INTERSECTION OF LINDA VISTA DRIVE, BENT AVENUE AND GRAND AVENUE Record From: Record of Survey 13928 Elev.: 543.629 Datum: NGVD 1929

CITY OF SAN MARCOS ENGINEERING DIVISION

STORM DRAIN PLANS FOR:
GRAND AVE. DRAINAGE/ROAD IMPROVEMENTS - PHASE 1

CIP PROJECT CODE 88214

City Drawing No. IP-4826

Sheet 17 of 48

VWD W.O. 201930

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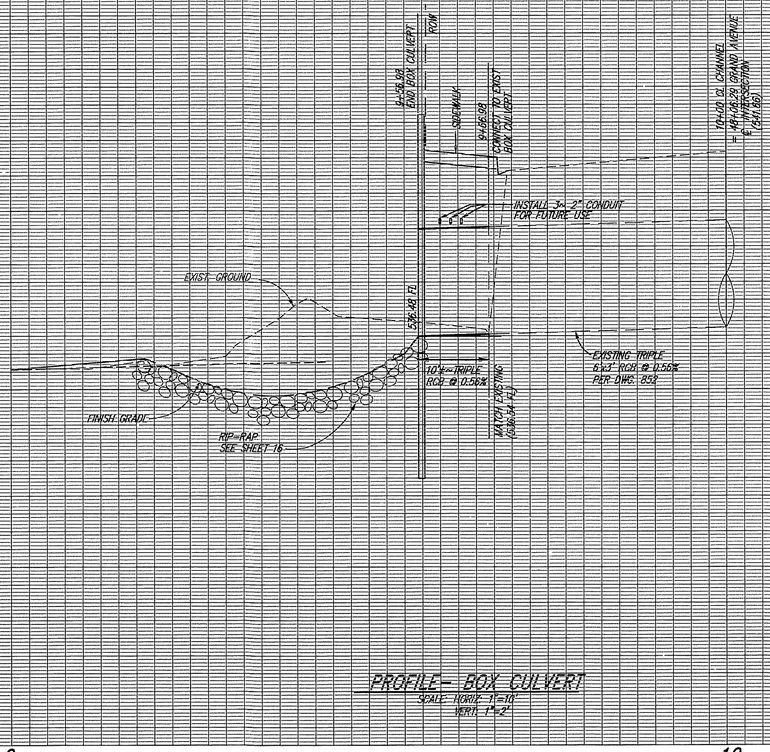
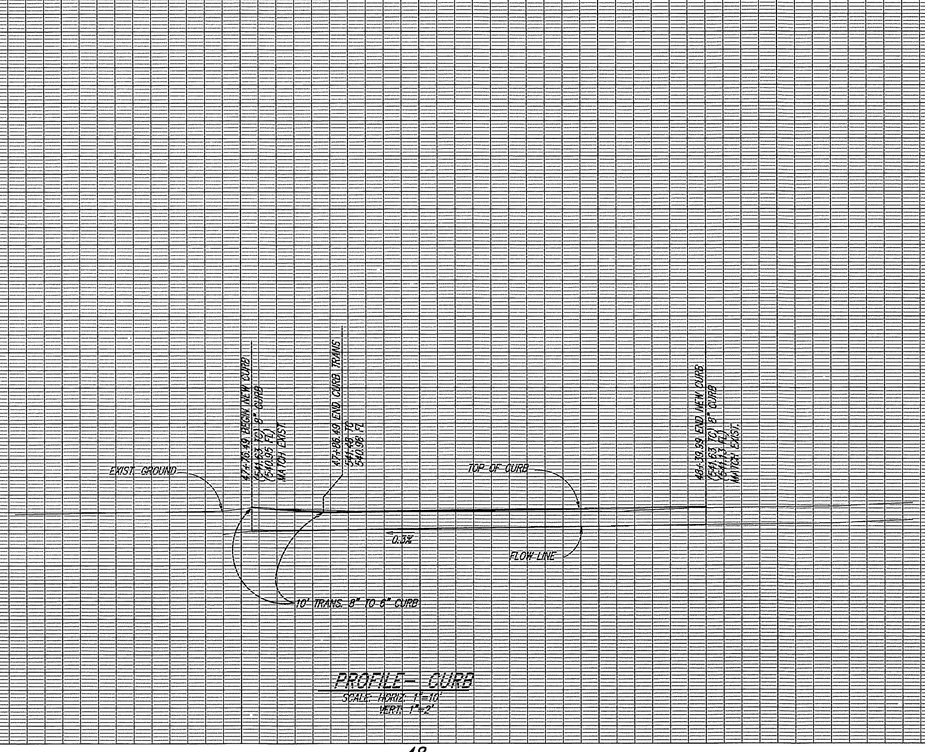
Xrefs: 0968APRO; 0968AI



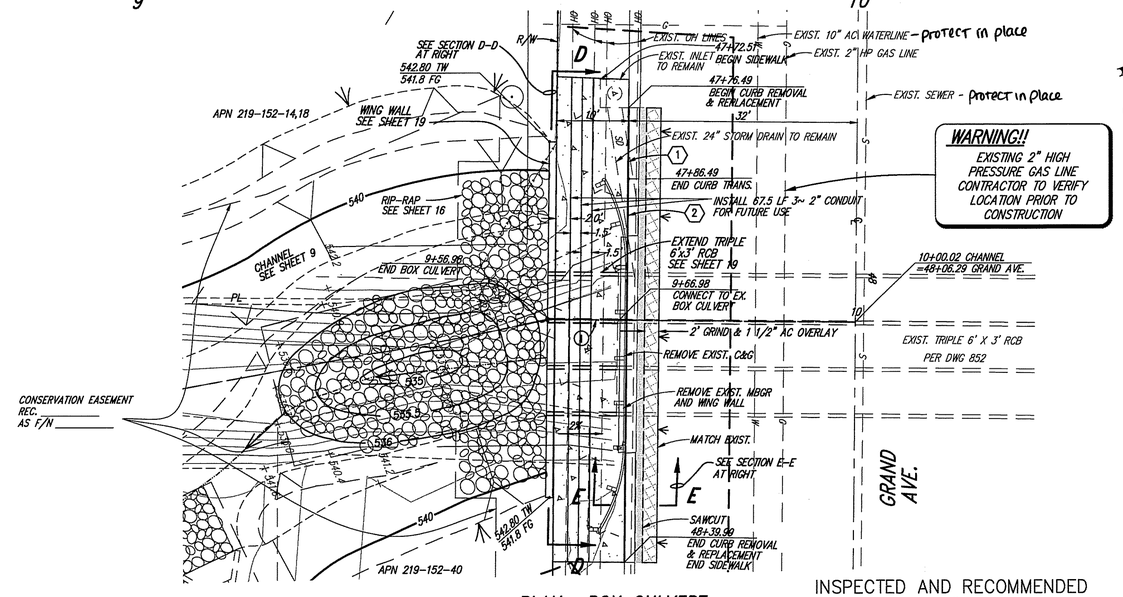
PROFILE- BOX CULVERT

SCALE: HORIZ. 1"=10'
VERT. 1"=2'



PROFILE- CURB

SCALE: HORIZ. 1"=10'
VERT. 1"=2'



PLAN- BOX CULVERT

SCALE: 1"=10'

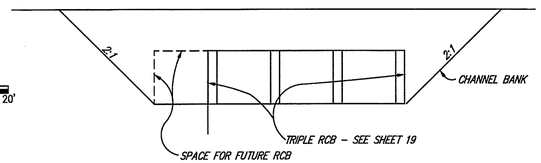
WARNING!!
EXISTING 2" HIGH PRESSURE GAS LINE CONTRACTOR TO VERIFY LOCATION PRIOR TO CONSTRUCTION

INSPECTED AND RECOMMENDED FOR "AS BUILT" ACCEPTANCE

Public Works Inspector Date

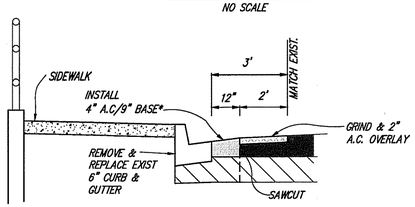
O'Day

0' 5' 10' 20'
SCALE: 1" = 10'



SECTION D-D

NO SCALE



SECTION E-E

NOT TO SCALE

*NOTE: STRUCTURAL SECTION PER SOILS REPORT TITLED GEOTECHNICAL INVESTIGATIONS FOR THE GRAND AVE. CHANNEL AND STREET IMPROVEMENTS AS PART OF THE REDEVELOPMENT PROJECT ADJACENT TO ANTIQUE VILLAGE, CIP No. 317 SAN MARCOS, SAN DIEGO COUNTY, CALIFORNIA DATED NOV. 16, 2009. SECTION TO BE VERIFIED BY THE R-VALUE TEST IN THE FIELD AFTER REMEDIAL WORK HAS BEEN COMPLETED. SECTION SHALL BE APPROVED BY PUBLIC WORKS INSPECTOR.

NOTE !!
ELECTRONIC DATA FILES ARE FOR REFERENCE ONLY AND ARE NOT TO BE USED FOR HORIZONTAL OR VERTICAL SURVEY CONTROL

CURB DATA

NO	DELTA/BEARING	RADIUS	LENGTH	COMMENT
1	N 66°23'39" W	——	10.00'	8" TO 6" TRANS
2	N 66°23'39" W	——	53.50'	6" C&G

TRIPLE 6'x3' BOX CULVERT CL DATA

NO	DELTA/BEARING	RADIUS	LENGTH
1	N 23°33'55" E	——	10.00'±*

* CONTRACTOR TO VERIFY IF ADDITIONAL LENGTH NEEDED TO MAKE CONNECTION TO EXISTING.

NOTES:
1. SEE SHEET 5 FOR EXISTING EASEMENT DATA TABLE.
2. SEE SHEET 19 FOR BOX CULVERT DETAILS.

REGISTERED PROFESSIONAL ENGINEER — KEITH W. HANSEN — NO. 60223 — CIVIL — STATE OF CALIFORNIA

VWD DWG. NO.

O'Day CONSULTANTS
2710 Loker Avenue West, Suite 100, Carlsbad, California 92010
760-931-7700 Fax: 760-931-8680
Civil Engineering, Planning, Processing, Surveying

DESIGNED BY: N.F. DATE: JULY 2010
DRAWN BY: T.G. SCALE:
PROJECT MGR.: K.W.H. JOB NO.: 09-1268

ENGINEER OF WORK: KEITH W. HANSEN DATE: 8/31/18 RCE: 60223

SAN MARCOS FIRE DEPARTMENT	VALLECITOS WATER DISTRICT	ENGINEER OF WORK	CITY APPROVED CHANGES	RECOMMENDED FOR APPROVAL	APPROVED FOR CONSTRUCTION	BENCH MARK
By: Jason Nailon, Fire Marshal Date: 9-25-19	By: JAMES H. GUMPEL, P.E. DATE 9/16/18 DISTRICT ENGINEER R.C.E. NO. C60160 EXP. 6/2020	N.F. T.G. DRAWN BY By: Name: KEITH W. HANSEN R.C.E.: 60223	No. Description CITY VWD Date	By: Elias Gallegos Senior Civil Engineer R.C.E.: 66149 Date: 9/11/18	By: Matt Little, Public Works Director R.C.E.: 60569 Date: 10-16-18	Description: Pt. 1032: M-10 STAMPED "CSM RCE 16421" Location: INTERSECTION OF LINDA VISTA DRIVE, BENT AVENUE AND GRAND AVENUE Record From: Record of Survey 13928 Elev.: 543.629 Datum: NGVD 1929

CITY OF SAN MARCOS ENGINEERING DIVISION
BOX CULVERT PLANS FOR: CIP PROJECT CODE 88214
GRAND AVE. DRAINAGE/ROAD IMPROVEMENTS - PHASE 1

City Drawing No. IP-4826
Sheet 18 of 48

VWD W.O. 201930

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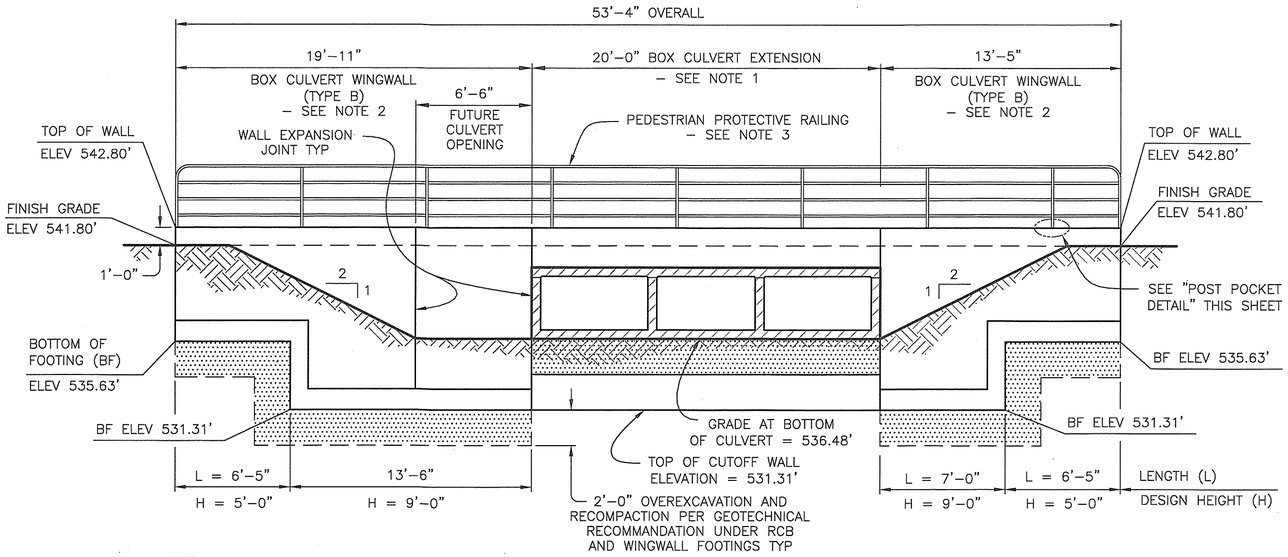
Xrefs: 0968TP; 0968AGRD; 0968TUTL; 0968APRO; 0968blo; 0968ASTR; 0968AUTL; 0968AI; 0968AMAP

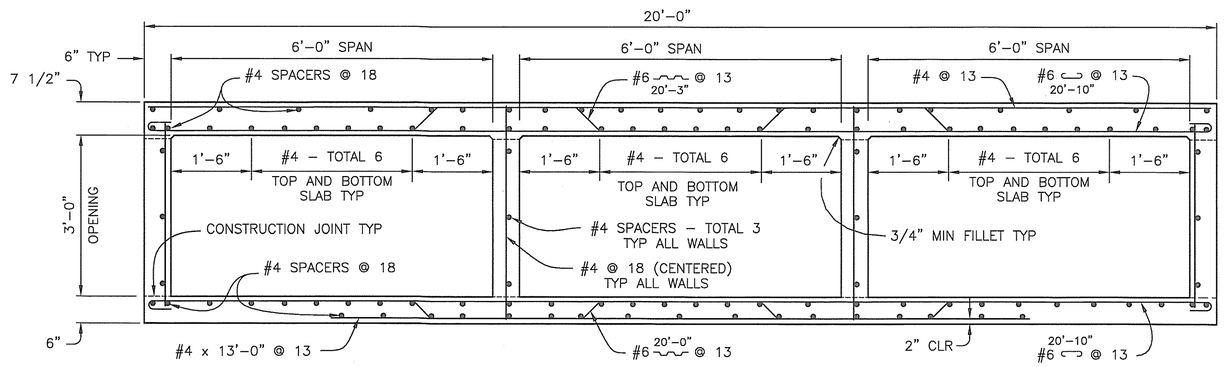


NOTES:

1. FOR CONNECTION OF EXTENSION TO EXISTING BOX CULVERT, SEE "CULVERT EXTENSION" DETAILS ON SAN DIEGO REGIONAL STANDARD DRAWING (SDRSD) "BOX CULVERT MISCELLANEOUS DETAILS NO. 2" DRAWING NUMBER D–81B. SEE "TYPICAL SECTION" BELOW FOR SIZE AND REINFORCEMENT INFORMATION. FOR ADDITIONAL NOTES AND DETAILS, SEE "TRIPLE BOX CULVERT DETAILS NO. 1" DRAWING NUMBER D–78C, "TRIPLE BOX CULVERT DETAILS NO. 2" DRAWING NUMBER D–78G, AND "BOX CULVERT MISCELLANEOUS DETAILS NO. 1" DRAWING NUMBER D–81A.
2. FOR BOX CULVERT WINGWALL DETAILS, SEE SDRSD "BOX CULVERT WINGWALL TYPES A, B, AND C DETAILS NO. 1" DRAWING NUMBER D–79A, AND "BOX CULVERT WINGWALLS TYPES A, B, AND C DETAILS NO. 2" DRAWING NUMBER D–79B.
3. FOR RAILING DETAILS, SEE SDRSD "PEDESTRIAN PROTECTIVE RAILING" DRAWING NUMBER M–24 EXCEPT FOR "POST POCKET DETAIL" THIS SHEET.
4. FOR LOCATION OF CULVERT EXTENSION, SEE CIVIL IMPROVEMENT PLAN NUMBER IP–4826 SHEET 7.

ELEVATION

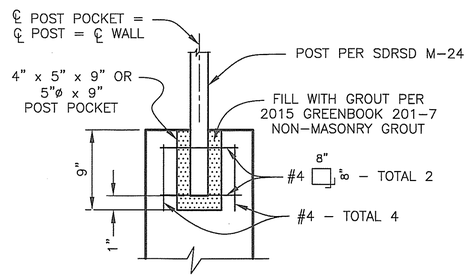
1/4" = 1'-0"



NOTE: FOR ADDITIONAL NOTES AND DETAILS, SEE "TRIPLE BOX CULVERT DETAILS NO. 1" DRAWING NUMBER D–78C, "TRIPLE BOX CULVERT DETAILS NO. 2" DRAWING NUMBER D–78G, AND "BOX CULVERT MISCELLANEOUS DETAILS NO. 1" DRAWING NUMBER D–81A.

TYPICAL SECTION

3/4" = 1'-0"



NOTE: WALL REINFORCEMENT NOT SHOWN.

POST POCKET DETAIL

NO SCALE

SOIL NOTES

1. SOIL PARAMETERS FROM REPORT TITLED "GEOTECHNICAL INVESTIGATION FOR THE GRAND AVENUE CHANNEL AND STREET IMPROVEMENTS AS PART OF THE REDEVELOPMENT PROJECT ADJACENT TO ANTIQUE VILLAGE, CIP NO. 317, CITY OF SAN MARCOS, SAN DIEGO COUNTY, CALIFORNIA", BY GEOSOILS INC., 5741 PALMER WAY, CARLSBAD, CALIFORNIA 92010, PHONE (760) 438–3155, WORK ORDER NO. 5847–A–SC, DATED NOVEMBER 16, 2009.

VWD AS–BUILT
NAME DATE
R.C.E. EXP.

VWD DWG. NO.

REGISTERED PROFESSIONAL ENGINEER James T. Frost No. 50865 CIVIL STATE OF CALIFORNIA

KLEINFELDER Bright people, Right Solutions.
550 West C Street Suite 1200 San Diego, CA 92101
Tel. (619) 831-4600 Fax. (619) 232-1039

DESIGNED BY: F.K. DATE: AUGUST 2018
DRAWN BY: T.B. SCALE: AS SHOWN
PROJECT MGR.: J.F. JOB NO.: 20171807

ENGINEER OF WORK: James Frost DATE: 8/31/18
JAMES T. FROST RCE: 50865

SAN MARCOS FIRE DEPARTMENT	VALLECITOS WATER DISTRICT	ENGINEER OF WORK	CITY APPROVED CHANGES	RECOMMENDED FOR APPROVAL	APPROVED FOR CONSTRUCTION	BENCH MARK
By: Jason Nallon, Fire Marshal Date: 9-25-18	By: JAMES H. GUMPEL P.E. DATE DISTRICT ENGINEER R.C.E. NO. C60160 EXP. 6/2018	TB DRAWN BY By: James Frost Name: JAMES T. FROST R.C.E.: 50865	No. Description CITY VWD Date	By: Elias Gallegos Senior Civil Engineer R.C.E.: 66149 Date: 9/11/18	By: Matt Little, Public Works Director R.C.E.: 60569 Date: 10-16-18	Description: Pt. 1032: M–10 STAMPED "CSM RCE 16421" Location: INTERSECTION OF LINDA VISTA DRIVE, BENT AVENUE AND GRAND AVENUE Record From: Record of Survey 13828 Elev.: 543.829 Datum: NGVD 1929

CITY OF SAN MARCOS ENGINEERING DIVISION
BOX CULVERT PLANS FOR: CIP PROJECT CODE 88214
GRAND AVE. DRAINAGE/ROAD IMPROVEMENTS – PHASE 1

City Drawing No. IP–4826
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VWD W.O. 201930

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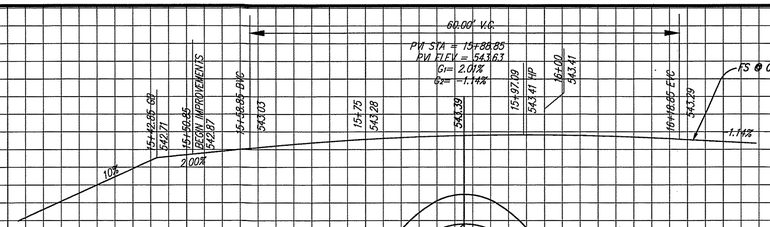
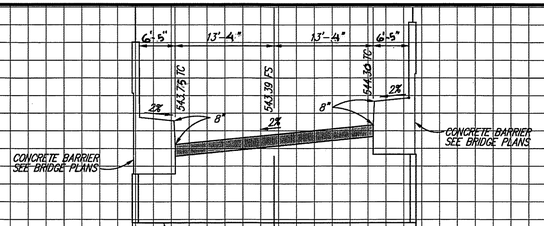
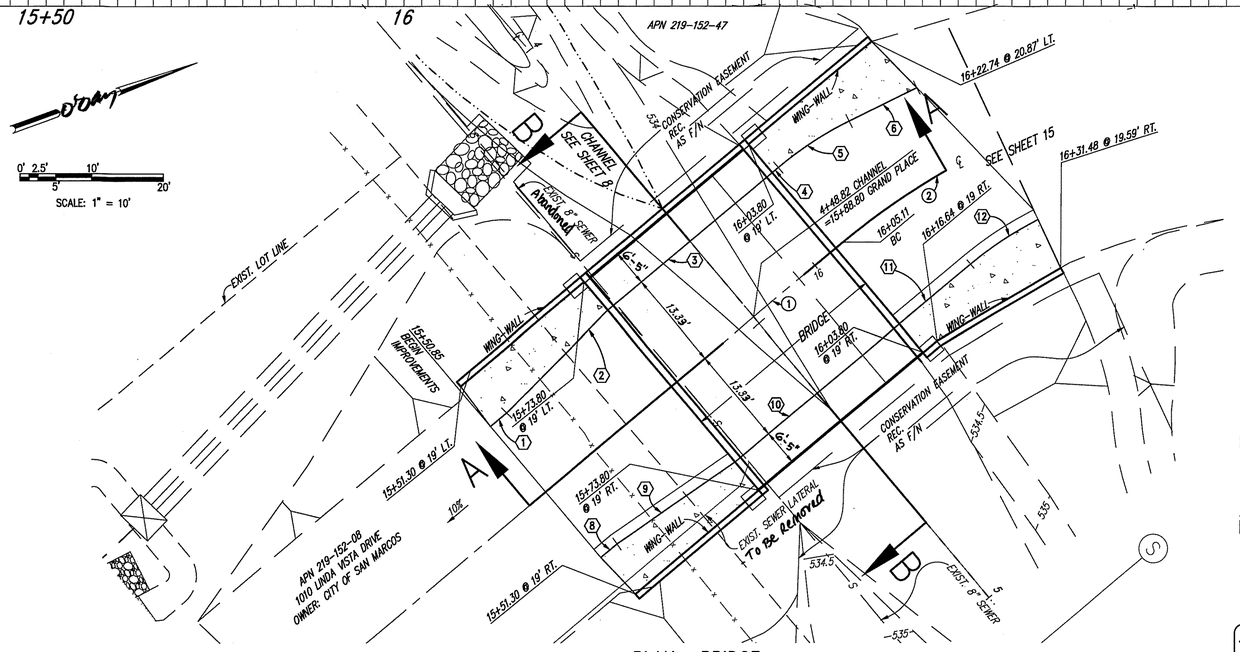


SECTION A–A
BRIDGE @ CL ROAD
SCALE: HORIZ: 1"=10
VERT: 1"=2'



SECTION B–B
ROAD @ CL BRIDGE
SCALE: HORIZ: 1"=10
VERT: 1"=2'



PLAN– BRIDGE
(CIVIL ENGINEERING PORTION ONLY)
SCALE: 1" = 10'

NOTES:
1. SEE SHEET 5 FOR EXISTING EASEMENT DATA TABLE.
2. SEE SHEET 15 FOR STREET IMPROVEMENTS.
3. SEE SHEETS 16–17 FOR STORM DRAIN.
4. SEE SHEETS 18, 21–29 FOR BRIDGE PLANS BY CONTECH.

CENTERLINE DATA

NO.	DELTA/BEARING	RADIUS	LENGTH
1	N 17°03'05" W	———	54.26'
2	Δ = 40°36'40"	100.00'	70.88'

CURB DATA

NO.	DELTA/BEARING	RADIUS	LENGTH	REMARKS
1	N 17°03'05" W	———	2.95'	6" CURB
2	N 20°32'52" W	———	20.08'	6"– 8" CURB
3	N 17°03'05" W	———	30.00'	8" BRIDGE CURB*
4	N 17°03'05" W	———	1.11'	8" CURB
5	Δ = 13°34'30"	50.00'	11.85'	8"– 6" CURB
6	N 03°28'34" W	———	10.57'	6" CURB
7	NOT USED			
8	N 17°03'05" W	———	2.95'	6" CURB & GUTTER
9	N 13°32'46" W	———	20.08'	6"– 8" CURB & GUTTER
10	N 17°03'05" W	———	30.00'	8" BRIDGE CURB*
11	N 17°03'05" W	———	12.97'	8"– 6" CURB & GUTTER
12	Δ = 13°00'23"	50.00'	11.35'	6" CURB & GUTTER

*SEE BRIDGE PLANS

INSPECTED AND RECOMMENDED
FOR "AS BUILT" ACCEPTANCE

Public Works Inspector Date

NOTE !!
ELECTRONIC DATA FILES ARE FOR REFERENCE ONLY AND ARE NOT TO BE USED FOR HORIZONTAL OR VERTICAL SURVEY CONTROL

REGISTERED PROFESSIONAL ENGINEER
KEITH W. HANSEN
NO. 60223
CIVIL
STATE OF CALIFORNIA

VWD DWG. NO.

O'Day CONSULTANTS
2710 Loker Avenue West
Suite 100
Carlsbad, California 92010
760–931–7700
Fax: 760–931–8680
Civil Engineering
Planning
Processing
Surveying

DESIGNED BY: N.F. DATE: JULY 2010
DRAWN BY: T.G. SCALE:
PROJECT MGR.: K.W.H. JOB NO.: 09-1268

ENGINEER OF WORK:
KEITH W. HANSEN
DATE: 8/31/18
RCE: 60223

SAN MARCOS FIRE DEPARTMENT	VALLECITOS WATER DISTRICT	ENGINEER OF WORK	CITY APPROVED CHANGES	RECOMMENDED FOR APPROVAL	APPROVED FOR CONSTRUCTION	BENCH MARK
By: Jason Nollan, Fire Marshal Date: 9-25-18	By: 9/18/18 JAMES H. GUMPEL P.E. DATE DISTRICT ENGINEER R.C.E. NO. C60160 EXP. 6/2020	N.F. T.G. DRAWN BY By: Name: KEITH W. HANSEN R.C.E.: 60223	No. Description CITY VWD Date	By: Elias Gallegos Senior Civil Engineer R.C.E.: 66149 Date: 9/14/18	By: Matt Little, Public Works Director R.C.E.: 60569 Date: 10-16-18	Description: Pt. 1032: M-10 STAMPED "CSM RCE 16421" Location: INTERSECTION OF LINDA VISTA DRIVE, BENT AVENUE AND GRAND AVENUE Record From: Record of Survey 13928 Elev.: 543.629 Datum: NGVD 1929

CITY OF SAN MARCOS ENGINEERING DIVISION
BRIDGE PLANS (CIVIL) FOR: CIP PROJECT CODE 88214
GRAND AVE. DRAINAGE/ROAD IMPROVEMENTS – PHASE 1

City Drawing No.
IP-4826
Sheet 20 of 48
VWD W.O. 201930

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Xrefs: 1268TP; 1268AMAP; 1268AGRD; 1268ASTR; 1268AUTL; 1268APRO; 1268site2; 1268AI; 1268TUTL

Appendix J

Storm Water Quality Management Plan (West)

CITY OF SAN MARCOS

PRIORITY DEVELOPMENT PROJECT (PDP)
STORM WATER QUALITY MANAGEMENT PLAN (SWQMP)
FOR
MARCOS SPECIFIC PLAN WESTEND
TSM #22-0002

GRAND AVENUE AND LINDA VISTA DRIVE
SAN MARCOS, CA

ASSESSOR'S PARCEL NUMBER(S):
219-152-70, -74, -76, -77, -79

ENGINEER OF WORK:

KENNETH T. KOZLIK, PE C71883

PREPARED FOR:

CALIFORNIA PACIFIC HOMES, INC.
5251 CALIFORNIA AVENUE, SUITE 250
IRVINE, CA 92617
949-833-6104

PDP SWQMP PREPARED BY:

FUSCOE ENGINEERING, INC.
6390 GREENWICH DRIVE, SUITE 170
SAN DIEGO, CA 92122
858-554-1500

DATE OF SWQMP:
May 12, 2023

PLANS PREPARED BY:
FUSCOE ENGINEERING, INC.
6390 GREENWICH DRIVE, SUITE 170
SAN DIEGO, CA 92122
858-554-1500

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PDP SWQMP Project Owner's Certification Page
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FORM I-2 Project Type Determination Checklist (Standard Project or PDP)
FORM I-3B Site Information Checklist for PDPs
FORM I-4 Source Control BMP Checklist for All Development Projects
FORM I-5 Site Design BMP Checklist for All Development Projects
FORM I-6 Summary of PDP Structural BMPs
Attachment 1: Backup for PDP Pollutant Control BMPs
    Attachment 1a: DMA Exhibit
    Attachment 1b: Tabular Summary of DMAs and Design Capture Volume Calculations
    Attachment 1c: Harvest and Use Feasibility Screening (when applicable)
    Attachment 1d: Categorization of Infiltration Feasibility Condition (when applicable)
    Attachment 1e: Pollutant Control BMP Design Worksheets / Calculations
Attachment 2: Backup for PDP Hydromodification Control Measures
    Attachment 2a: Hydromodification Management Exhibit
    Attachment 2b: Management of Critical Coarse Sediment Yield Areas
    Attachment 2c: Geomorphic Assessment of Receiving Channels
    Attachment 2d: Flow Control Facility Design
Attachment 3: Structural BMP Maintenance Plan
    Attachment 3a: B Structural BMP Maintenance Thresholds and Actions
    Attachment 3b: Draft Maintenance Agreement (when applicable)
Attachment 4: Copy of Plan Sheets Showing Permanent Storm Water BMPs

ACRONYMS

APN	Assessor's Parcel Number
BMP	Best Management Practice
HMP	Hydromodification Management Plan
HSG	Hydrologic Soil Group
MS4	Municipal Separate Storm Sewer System
N/A	Not Applicable
NRCS	Natural Resources Conservation Service
PDP	Priority Development Project
PE	Professional Engineer
SC	Source Control
SD	Site Design
SDRWQCB	San Diego Regional Water Quality Control Board
SIC	Standard Industrial Classification
SWQMP	Storm Water Quality Management Plan

PDP SWQMP PREPARER'S CERTIFICATION PAGE

Project Name: MARCOS SPECIFIC PLAN
Permit Application Number: [Insert Permit Application Number]

PREPARER'S CERTIFICATION

I hereby declare that I am the Engineer in Responsible Charge of design of storm water best management practices (BMPs) for this project, and that I have exercised responsible charge over the design of the BMPs as defined in Section 6703 of the Business and Professions Code, and that the design is consistent with the PDP requirements of the [INSERT AGENCY NAME] BMP Design Manual, which is a design manual for compliance with local [INSERT AGENCY NAME] and regional MS4 Permit (California Regional Water Quality Control Board San Diego Region Order No. R9-2015-0100) requirements for storm water management.

I have read and understand that the [City Engineer] has adopted minimum requirements for managing urban runoff, including storm water, from land development activities, as described in the BMP Design Manual. I certify that this PDP SWQMP has been completed to the best of my ability and accurately reflects the project being proposed and the applicable BMPs proposed to minimize the potentially negative impacts of this project's land development activities on water quality. I understand and acknowledge that the plan check review of this PDP SWQMP by the [City Engineer] is confined to a review and does not relieve me, as the Engineer in Responsible Charge of design of storm water BMPs for this project, of my responsibilities for project design.

C71883 Exp 12/31/23
Engineer of Work's Signature, PE Number & Expiration Date

Kenneth T. Kozlik
Print Name

Fuscoe Engineering, Inc.
Company

5/15/2023
Date

Engineer's Seal:

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PDP SWQMP PROJECT OWNER'S CERTIFICATION PAGE – CALIFORNIA PACIFIC HOMES, INC.

Project Name: MARCOS SPECIFIC PLAN
Permit Application Number: [Insert Permit Application Number]

PROJECT OWNER'S CERTIFICATION

This PDP SWQMP has been prepared for CALIFORNIA PACIFIC HOMES, INC. by Fuscoe Engineering, Inc. The PDP SWQMP is intended to comply with the PDP requirements of the City of San Marcos BMP Design Manual, which is a design manual for compliance with local City of San Marcos and regional MS4 Permit (California Regional Water Quality Control Board San Diego Region Order No. R9-2015-0100) requirements for storm water management.

The undersigned, while it owns the subject property, is responsible for the implementation of the provisions of this plan. Once the undersigned transfers its interests in the property, its successor-in-interest shall bear the aforementioned responsibility to implement the best management practices (BMPs) described within this plan, including ensuring on-going operation and maintenance of structural BMPs. A signed copy of this document shall be available on the subject property into perpetuity.

_____
Project Owner's Signature

_____
Print Name

_____
Company

_____
Date

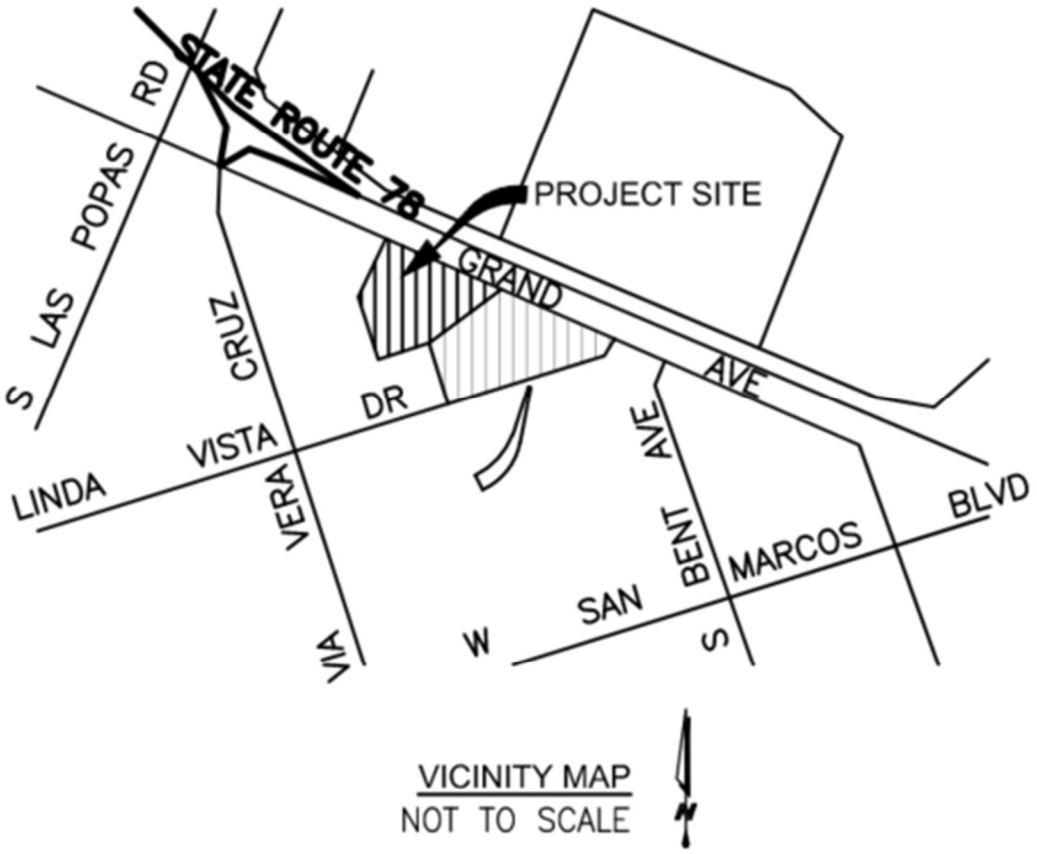
SUBMITTAL RECORD

Use this Table to keep a record of submittals of this PDP SWQMP. Each time the PDP SWQMP is re-submitted, provide the date and status of the project. In column 4 summarize the changes that have been made or indicate if response to plancheck comments is included. When applicable, insert response to plancheck comments behind this page.

Submittal Number	Date	Project Status	Summary of Changes
1	March 11, 2022	☒ Preliminary Design / Planning/ CEQA ☐ Final Design	Initial Submittal
2	October 11, 2022	☒ Preliminary Design / Planning/ CEQA ☐ Final Design	Second Submittal
3	December 19, 2022	☒ Preliminary Design / Planning/ CEQA ☐ Final Design	Third Submittal
4	March 14, 2023	☒ Preliminary Design / Planning/ CEQA ☐ Final Design	Fourth Submittal
5	May 12, 2023	☒ Preliminary Design / Planning/ CEQA ☐ Final Design	Fifth Submittal

PROJECT VICINITY MAP

Project Name: MARCOS SPECIFIC PLAN
Permit Application Number: [Insert Permit Application Number]



Applicability of Storm Water Best Management Practices (BMP) Requirements

(Storm Water Intake Form for all Development Permit Applications)
For detailed information please visit:
http://www.san-marcos.net/departments/development-services/stormwater/development-planning

Form I-1
[March 15, 2016]

Project Identification

Project Name: Marcos Specific Plan

Description:
Proposed mixed-use development incorporating commercial and multi-family residential uses.

Permit Application Number (if applicable): | Date: 5/12/2023

Project Address: Grand Avenue and Linda Vista Drive

Determination of Requirements

This form is required as part of the City's application process. The purpose of this form is to identify potential land development planning storm water requirements that apply to development projects.

Development projects are defined as construction, rehabilitation, redevelopment, or reconstruction of any public or private projects. In addition, the identification of a development project, as it relates to storm water regulations, would truly apply to development and redevelopment activities that have the potential to contact storm water and contribute a source of pollutants, or reduce the natural absorption and infiltration abilities of the land.

To access the BMP Design Manual, Storm Water Quality Management Plan (SWQMP) templates, and other pertinent information related to this program please refer to:
http://www.san-marcos.net/departments/development-services/stormwater/development-planning

Please answer each of the following steps below, starting with Step 1 and progressing through each step until reaching "Stop".

Step	Answer	Progression
Step 1: Based on the above, Is the project a "development project" (See definition above)? See Section 1.3 of the BMP Design Manual for further guidance if necessary.	☒ Yes	Go to Step 2.
	☐ No	Permanent BMP requirements do not apply. No SWQMP will be required. Provide brief discussion below. **STOP.**
Discussion / justification if the project is not a "development project" (e.g., the project includes *only* interior remodels within an existing building):		
Step 2: Is the project a Standard Project, Priority Development Project (PDP), or exception to PDP definitions? **To answer this item, complete Form I-2, Project Type Determination. See Section 1.4 of the BMP Design Manual *in its entirety* for guidance.** **In addition to Section 1.4, please refer to the City's SWQMP Submittal Requirements form.**	☐ Standard Project	Only Standard Project requirements apply, including Standard Project SWQMP. **STOP.**
	☒ PDP	Standard and PDP requirements apply, including PDP SWQMP. **Go to Step 3 on the following page.**
	☐ Exception to PDP definitions	Standard Project requirements apply, and any additional requirements specific to the type of project. Provide discussion and list any additional requirements below. Prepare Standard Project SWQMP. **STOP.**
Discussion / justification, and additional requirements for exceptions to PDP definitions, if applicable:		

Form I-1 Page 2, Form Date: March 15, 2016		
Step 3 (PDPs only). Please answer the list of questions in this section to determine if hydromodification requirements reply to the proposed PDP. Does the project:		
Step 3a. Discharge storm water runoff directly to the Pacific Ocean?	☐ Yes	**STOP**. Hydromodification requirements do not apply.
	☒ No	Continue to Step 3b.
Step 3b. Discharge storm water runoff directly to an enclosed embayment, not within protected areas?	☐ Yes	**STOP**. Hydromodification requirements do not apply.
	☒ No	Continue to Step 3c.
Step 3c. Discharge storm water runoff directly to a water storage reservoir or lake, below spillway or normal operating level?	☐ Yes	**STOP**. Hydromodification requirements do not apply.
	☒ No	Continue to Step 3d.
Step 3d. Discharge storm water runoff directly to an area identified in WMAA?	☐ Yes	**STOP**. Hydromodification requirements do not apply.
	☒ No	Hydromodification requirements apply to the project. Go to Step 4.
Discussion / justification if hydromodification control requirements do <u>not</u> apply:		
Step 4 (PDPs subject to hydromodification control requirements only). Does protection of critical coarse sediment yield areas apply based on review of WMAA Potential Critical Coarse Sediment Yield Area Map? See Section 6.2 of the BMP Design Manual for guidance.	☐ Yes	Management measures required for protection of critical coarse sediment yield areas (Chapter 6.2). Stop.
	☒ No	Management measures not required for protection of critical coarse sediment yield areas. Provide brief discussion below. Stop. Project site is not identified as a Potential Critical Course Sediment Yield Area

Project Type Determination Checklist			Form I-2 [March 15, 2016]
Project Information			
Project Name/Description: Marcos Specific Plan			
Permit Application Number (if applicable):			Date: 10/11/2022
Project Address: Grand Avenue and Linda Vista Drive			
Project Type Determination: Standard Project or Priority Development Project (PDP)			
The project is (select one): ☐ New Development ☒ Redevelopment			
The total proposed newly created or replaced impervious area is: 155,750 ft^2 (3.58 acres)			
Is the project in any of the following categories, (a) through (f)?			
Yes ☐	No ☒	(a)	New development projects that create 10,000 square feet or more of impervious surfaces (collectively over the entire project site). This includes commercial, industrial, residential, mixed-use, and public development projects on public or private land.
Yes ☒	No ☐	(b)	Redevelopment projects that create and/or replace 5,000 square feet or more of impervious surface (collectively over the entire project site on an existing site of 10,000 square feet or more of impervious surfaces). This includes commercial, industrial, residential, mixed-use, and public development projects on public or private land.
Yes ☒	No ☐	(c)	New and redevelopment projects that create and/or replace 5,000 square feet or more of impervious surface (collectively over the entire project site), and support one or more of the following uses: estaurants. This category is defined as a facility that sells prepared foods and drinks r consumption, including stationary lunch counters and refreshment stands selling epared foods and drinks for immediate consumption (Standard Industrial assification (SIC) code 5812). llside development projects. This category includes development on any natural ope that is twenty-five percent or greater. arking lots. This category is defined as a land area or facility for the temporary arking or storage of motor vehicles used personally, for business, or for commerce. treets, roads, highways, freeways, and driveways. This category is defined as any aved impervious surface used for the transportation of automobiles, trucks, otorcycles, and other vehicles.

Form I-2 Page 2, Form Date: March 15, 2016			
Yes ☐	No ☒	(d)	New or redevelopment projects that create and/or replace 2,500 square feet or more of impervious surface (collectively over the entire project site), and discharging directly to an Environmentally Sensitive Area (ESA). "Discharging directly to" includes flow that is conveyed overland a distance of 200 feet or less from the project to the ESA, or conveyed in a pipe or open channel any distance as an isolated flow from the project to the ESA (i.e. not commingled with flows from adjacent lands). *Note: ESAs are areas that include but are not limited to all Clean Water Act Section 303(d) impaired water bodies; areas designated as Areas of Special Biological Significance by the State Water Board and San Diego Water Board; State Water Quality Protected Areas; water bodies designated with the RARE beneficial use by the State Water Board and San Diego Water Board; and any other equivalent environmentally sensitive areas which have been identified by the Copermittees. See BMP Design Manual Section 1.4.2 for additional guidance.*
Yes ☐	No ☒	(e)	New development projects, or redevelopment projects that create and/or replace 5,000 square feet or more of impervious surface, that support one or more of the following uses: (i) Automotive repair shops. This category is defined as a facility that is categorized in any one of the following SIC codes: 5013, 5014, 5541, 7532-7534, or 7536-7539. (ii) Retail gasoline outlets (RGOs). This category includes RGOs that meet the following criteria: (a) 5,000 square feet or more or (b) a projected Average Daily Traffic (ADT) of 100 or more vehicles per day.
Yes ☒	No ☐	(f)	New or redevelopment projects that result in the disturbance of one or more acres of land and are expected to generate pollutants post construction. *Note: See BMP Design Manual Section 1.4.2 for additional guidance.*

Does the project meet the definition of one or more of the Priority Development Project categories (a) through (f) listed above?

☐ No – the project is not a Priority Development Project (Standard Project).

☒ Yes – the project is a Priority Development Project (PDP).

The following is for redevelopment PDPs only:

The area of existing (pre-project) impervious area at the project site is: 12,216 ft^2 (A)
The total proposed newly created or replaced impervious area is 155,750ft^2 (B)
Percent impervious surface created or replaced (B/A)*100: 1275%
The percent impervious surface created or replaced is (select one based on the above calculation):

☐ less than or equal to fifty percent (50%) – only new impervious areas are considered PDP

OR

☒ greater than fifty percent (50%) – the entire project site is a PDP

Site Information Checklist For PDPs	Form I-3B (PDPs) [March 15, 2016]
Project Summary Information	
Project Name	Marcos Specific Plan
Project Address	Grand Avenue and Linda Vista Drive
Assessor's Parcel Number(s) (APN(s))	219-152-70, -74, -76, -77, -79
Permit Application Number	
Project Hydrologic Unit	Select One: ☐ Santa Margarita 902 ☐ San Luis Rey 903 ☒ Carlsbad 904 ☐ San Dieguito 905 ☐ Penasquitos 906 ☐ San Diego 907 ☐ Pueblo San Diego 908 ☐ Sweetwater 909 ☐ Otay 910 ☐ Tijuana 911
Project Watershed (Complete Hydrologic Unit, Area, and Subarea Name with Numeric Identifier)	Carlsbad Hydrologic Unit, San Marcos Hydrologic Area, Richland Hydrologic Sub-Area, 904.52
Parcel Area (total area of Assessor's Parcel(s) associated with the project)	4.73 Acres (206,040 Square Feet)
Area to be Disturbed by the Project (Project Area)	5.03 Acres (219,274 Square Feet)
Project Proposed Impervious Area (subset of Project Area)	3.86 Acres (167,966 Square Feet)
Project Proposed Pervious Area (subset of Project Area)	0.98 Acres (42,745 Square Feet)
Note: Proposed Impervious Area + Proposed Pervious Area = Area to be Disturbed by the Project. This may be less than the Parcel Area.	

Description of Existing Site Condition

Current Status of the Site (select all that apply):

- ☐ Existing development
- ☐ Previously graded but not built out
- ☒ Demolition completed without new construction
- ☐ Agricultural or other non-impervious use
- ☐ Vacant, undeveloped/natural

Description / Additional Information:
The project site was previously developed with commercial/industrial uses. The buildings have since been demolished, but portions of building slabs and paved parking areas remain.

Existing Land Cover Includes (select all that apply):

- ☒ Vegetative Cover
- ☒ Non-Vegetated Pervious Areas
- ☒ Impervious Areas

Description / Additional Information:
The project site was previously developed with commercial/industrial uses. The buildings have since been demolished, but portions of building slabs and paved parking areas remain.

Underlying Soil belongs to Hydrologic Soil Group (select all that apply):

- ☐ NRCS Type A
- ☐ NRCS Type B
- ☒ NRCS Type C
- ☒ NRCS Type D

Approximate Depth to Groundwater (GW):

- ☐ GW Depth < 5 feet
- ☐ 5 feet < GW Depth < 10 feet
- ☐ 10 feet < GW Depth < 20 feet
- ☒ GW Depth > 20 feet

Existing Natural Hydrologic Features (select all that apply):

- ☒ Watercourses
- ☐ Seeps
- ☐ Springs
- ☐ Wetlands
- ☐ None

Description / Additional Information:

Description of Existing Site Drainage Patterns

How is storm water runoff conveyed from the site? At a minimum, this description should answer:
(1) whether existing drainage conveyance is natural or urban;
(2) Is runoff from offsite conveyed through the site? if yes, quantify all offsite drainage areas, design flows, and locations where offsite flows enter the project site, and summarize how such flows are conveyed through the site;
(3)Provide details regarding existing project site drainage conveyance network, including any existing storm drains, concrete channels, swales, detention facilities, storm water treatment facilities, natural or constructed channels; and
(4) Identify all discharge locations from the existing project site along with a summary of conveyance system size and capacity for each of the discharge locations. Provide summary of the pre-project drainage areas and design flows to each of the existing runoff discharge locations.

Describe existing site drainage patterns:

The existing site consists of development areas that were previously commercial pads but have had the buildings demolished. From an aerial view, the site visually appear flat. The channel was recently improved by the City of San Marcos (CIP Project Code 88214, "Grand Avenue Drainage / Road Improvements", IP-4826 and VWD no. 201930). The development area had new storm drain added to collect runoff from the pads and discharge into the improved channel. A bridge was constructed to link to the neighboring development site, east of this site.

Upon closer inspection of the topography, one can see that there are some subtle flow paths where the site drains to the storm drain outlets that were constructed as part of the channel improvements at nodes 200 and 400. The westerly third of the residential site leads to a local depression near node 10 before spilling out onto the adjacent property to the west.

Description of Proposed Site Development

Project Description / Proposed Land Use and/or Activities:
This project consists of approximately 5.03 acres near the southwest corner of the Linda Vista Drive and Grand Avenue intersection in the city of San Marcos, California. Located at the north of the channel, the site will be used to develop 102 residential condominiums.

List/describe proposed impervious features of the project (e.g., buildings, roadways, parking lots, courtyards, athletic courts, other impervious features):
Impervious areas will include buildings; vehicular paving in drive aisles and parking areas; and pedestrian pavement for sidewalk, bike paths, and walkways.

List/describe proposed pervious features of the project (e.g., landscape areas):
The project will include extensive landscape areas. Decomposed granite (DG) is also proposed for some parking spaces and walkways. As a conservative approach for BMP sizing, the DG areas were assumed to be impervious.

Does the project include grading and changes to site topography?

☒ Yes

☐ No

Description / Additional Information:
The project will be graded support drainage of the proposed project area to the storm water BMPs and the creek.

Description of Proposed Site Drainage Patterns

Does the project include changes to site drainage (e.g., installation of new storm water conveyance systems)?

☒ Yes

☐ No

If yes, provide details regarding the proposed project site drainage conveyance network, including storm drains, concrete channels, swales, detention facilities, storm water treatment facilities, natural or constructed channels, and the method for conveying offsite flows through or around the proposed project site. Identify all discharge locations from the proposed project site along with a summary of the conveyance system size and capacity for each of the discharge locations. Provide a summary of pre- and post-project drainage areas and design flows to each of the runoff discharge locations. Reference the drainage study for detailed calculations.

Describe proposed site drainage patterns::

The proposed development areas will be re-graded to ensure that the runoff is routed to the channel. The site has a system of concrete swales and storm drains to collect runoff and convey it to water quality basins and/or underground detention structures for hydromodification storage before being discharged to the channel at nodes 200, 400 and 1000.

Identify whether any of the following features, activities, and/or pollutant source areas will be present (select all that apply):

- [X] On-site storm drain inlets
- [ ] Interior floor drains and elevator shaft sump pumps
- [X] Interior parking garages
- [X] Need for future indoor & structural pest control
- [X] Landscape/Outdoor Pesticide Use
- [X] Pools, spas, ponds, decorative fountains, and other water features
- [X] Food service
- [X] Refuse areas
- [ ] Industrial processes
- [ ] Outdoor storage of equipment or materials
- [ ] Vehicle and Equipment Cleaning
- [ ] Vehicle/Equipment Repair and Maintenance
- [ ] Fuel Dispensing Areas
- [ ] Loading Docks
- [X] Fire Sprinkler Test Water
- [ ] Miscellaneous Drain or Wash Water
- [X] Plazas, sidewalks, and parking lots

Description / Additional Information:

Identification and Narrative of Receiving Water and Pollutants of Concern

Describe flow path of storm water from the project site discharge location(s), through urban storm conveyance systems as applicable, to receiving creeks, rivers, and lagoons as applicable, and ultimate discharge to the Pacific Ocean (or bay, lagoon, lake or reservoir, as applicable):
Discharge from the site enters the unnamed creek with runs southwest through the site. The creek continues to flow southwest to a confluence with San Marcos Creek just upstream of Lake San Marcos. San Marcos Creek discharges to Batiquitos Lagoon, which is tidally connected to the Pacific Ocean.

List any 303(d) impaired water bodies within the path of storm water from the project site to the Pacific Ocean (or bay, lagoon, lake or reservoir, as applicable), identify the pollutant(s)/stressor(s) causing impairment, and identify any TMDLs and/or Highest Priority Pollutants from the WQIP for the impaired water bodies:

303(d) Impaired Water Body	Pollutant(s)/Stressor(s)	TMDLs / WQIP Highest Priority Pollutant
San Marcos Creek	DDE, Phosphorous, Sediment Toxicity, Selenium	DDE, Phosphorous, Sediment Toxicity, Selenium
San Marcos Lake	Ammonia Nitrogen, Nutrients	Ammonia Nitrogen, Nutrients

Identification of Project Site Pollutants*

***Identification of project site pollutants is only required if flow-thru treatment BMPs are implemented onsite in lieu of retention or biofiltration BMPs (note the project must also participate in an alternative compliance program unless prior lawful approval to meet earlier PDP requirements is demonstrated)**

Identify pollutants expected from the project site based on all proposed use(s) of the site (see BMP Design Manual Appendix B.6):

Pollutant	Not Applicable to the Project Site	Expected from the Project Site	Also a Receiving Water Pollutant of Concern
Sediment		X	X
Nutrients		X	X
Heavy Metals		X	X
Organic Compounds		X	
Trash & Debris		X	
Oxygen Demanding Substances		X	
Oil & Grease		X	
Bacteria & Viruses		X	
Pesticides		X	

Hydromodification Management Requirements

Do hydromodification management requirements apply (see Section 1.6 of the BMP Design Manual)?

☒ Yes, hydromodification management flow control structural BMPs required.

☐ No, the project will discharge runoff directly to existing underground storm drains discharging directly to water storage reservoirs, lakes, enclosed embayments, or the Pacific Ocean.

☐ No, the project will discharge runoff directly to conveyance channels whose bed and bank are concrete-lined all the way from the point of discharge to water storage reservoirs, lakes, enclosed embayments, or the Pacific Ocean.

☐ No, the project will discharge runoff directly to an area identified as appropriate for an exemption by the WMAA for the watershed in which the project resides.

Description / Additional Information (to be provided if a 'No' answer has been selected above):

Critical Coarse Sediment Yield Areas*

***This Section only required if hydromodification management requirements apply**

Based on the maps provided within the WMAA, do potential critical coarse sediment yield areas exist within the project drainage boundaries?

☐ Yes

☒ No, No critical coarse sediment yield areas to be protected based on WMAA maps

If yes, have any of the optional analyses presented in Section 6.2 of the BMP Design Manual been performed?

☐ 6.2.1 Verification of Geomorphic Landscape Units (GLUs) Onsite

☐ 6.2.2 Downstream Systems Sensitivity to Coarse Sediment

☐ 6.2.3 Optional Additional Analysis of Potential Critical Coarse Sediment Yield Areas Onsite

☐ No optional analyses performed, the project will avoid critical coarse sediment yield areas identified based on WMAA maps

If optional analyses were performed, what is the final result?

☐ No critical coarse sediment yield areas to be protected based on verification of GLUs onsite

☐ Critical coarse sediment yield areas exist but additional analysis has determined that protection is not required. Documentation attached in Attachment 2.b of the SWQMP.

☐ Critical coarse sediment yield areas exist and require protection. The project will implement management measures described in Sections 6.2.4 and 6.2.5 as applicable, and the areas are identified on the SWQMP Exhibit.

Discussion / Additional Information:

Flow Control for Post-Project Runoff*

***This Section only required if hydromodification management requirements apply**

List and describe point(s) of compliance (POCs) for flow control for hydromodification management (see Section 6.3.1). For each POC, provide a POC identification name or number correlating to the project's HMP Exhibit and a receiving channel identification name or number correlating to the project's HMP Exhibit.

Has a geomorphic assessment been performed for the receiving channel(s)?

☐ No, the low flow threshold is 0.1Q2 (default low flow threshold)

☐ Yes, the result is the low flow threshold is 0.1Q2

☐ Yes, the result is the low flow threshold is 0.3Q2

☒ Yes, the result is the low flow threshold is 0.5Q2

If a geomorphic assessment has been performed, provide title, date, and preparer:
The receiving channel has been restored and is an actively managed conservation area, which will ensure erosion impacts will be minimal.

Discussion / Additional Information: (optional)

Other Site Requirements and Constraints

When applicable, list other site requirements or constraints that will influence storm water management design, such as zoning requirements including setbacks and open space, or local codes governing minimum street width, sidewalk construction, allowable pavement types, and drainage requirements.

Optional Additional Information or Continuation of Previous Sections As Needed

This space provided for additional information or continuation of information from previous sections as needed.

Source Control BMP Checklist for All Development Projects (Standard Projects and Priority Development Projects)	Form I-4 [March 15, 2016]

Project Identification

Project Name: Marcos Specific Plan

Permit Application Number

Source Control BMPs

All development projects must implement source control BMPs SC-1 through SC-6 where applicable and feasible. See Chapter 4 and Appendix E of the Model BMP Design Manual for information to implement source control BMPs shown in this checklist.

Answer each category below pursuant to the following.

- "Yes" means the project will implement the source control BMP as described in Chapter 4 and/or Appendix E of the Model BMP Design Manual. Discussion / justification is not required.
- "No" means the BMP is applicable to the project but it is not feasible to implement. Discussion / justification must be provided.
- "N/A" means the BMP is not applicable at the project site because the project does not include the feature that is addressed by the BMP (e.g., the project has no outdoor materials storage areas). Discussion / justification may be provided.

Source Control Requirement	Applied?		
SC-1 Prevention of Illicit Discharges into the MS4	☒ Yes	☐ No	☐ N/A
Discussion / justification if SC-1 not implemented:			
SC-2 Storm Drain Stenciling or Signage	☒ Yes	☐ No	☐ N/A
Discussion / justification if SC-2 not implemented:			
SC-3 Protect Outdoor Materials Storage Areas from Rainfall, Run-On, Runoff, and Wind Dispersal	☐ Yes	☐ No	☒ N/A
Discussion / justification if SC-3 not implemented:			
SC-4 Protect Materials Stored in Outdoor Work Areas from Rainfall, Run-On, Runoff, and Wind Dispersal	☒ Yes	☐ No	☐ N/A
Discussion / justification if SC-4 not implemented:			

Form I-4 Page 2 of 2, Form Date: March 15, 2016			
Source Control Requirement	**Applied?**		
SC-5 Protect Trash Storage Areas from Rainfall, Run-On, Runoff, and Wind Dispersal	☒ Yes	☐ No	☐ N/A
Discussion / justification if SC-5 not implemented:			
SC-6 Additional BMPs Based on Potential Sources of Runoff Pollutants (must answer for each source listed below)			
☐ On-site storm drain inlets	☒ Yes	☐ No	☐ N/A
☐ Interior floor drains and elevator shaft sump pumps	☐ Yes	☐ No	☒ N/A
☐ Interior parking garages	☒ Yes	☐ No	☐ N/A
☐ Need for future indoor & structural pest control	☒ Yes	☐ No	☐ N/A
☐ Landscape/Outdoor Pesticide Use	☒ Yes	☐ No	☐ N/A
☐ Pools, spas, ponds, decorative fountains, and other water features	☒ Yes	☐ No	☐ N/A
☐ Food service	☒ Yes	☐ No	☐ N/A
☐ Refuse areas	☒ Yes	☐ No	☐ N/A
☐ Industrial processes	☐ Yes	☐ No	☒ N/A
☐ Outdoor storage of equipment or materials	☐ Yes	☐ No	☒ N/A
☐ Vehicle and Equipment Cleaning	☐ Yes	☐ No	☒ N/A
☐ Vehicle/Equipment Repair and Maintenance	☐ Yes	☐ No	☒ N/A
☐ Fuel Dispensing Areas	☐ Yes	☐ No	☒ N/A
☐ Loading Docks	☐ Yes	☐ No	☒ N/A
☐ Fire Sprinkler Test Water	☒ Yes	☐ No	☐ N/A
☐ Miscellaneous Drain or Wash Water	☐ Yes	☐ No	☒ N/A
☐ Plazas, sidewalks, and parking lots	☒ Yes	☐ No	☐ N/A
Discussion / justification if SC-6 not implemented. Clearly identify which sources of runoff pollutants are discussed. Justification must be provided for all "No" answers shown above.			

Site Design BMP Checklist for All Development Projects (Standard Projects and Priority Development Projects)	Form I-5 [March 15, 2016]

Project Identification

Project Name – Marcos Specific Plan

Permit Application Number

Site Design BMPs

All development projects must implement site design BMPs SD-1 through SD-8 where applicable and feasible. See Chapter 4 and Appendix E of the Model BMP Design Manual for information to implement site design BMPs shown in this checklist.

Answer each category below pursuant to the following.

- "Yes" means the project will implement the site design BMP as described in Chapter 4 and/or Appendix E of the Model BMP Design Manual. Discussion / justification is not required.
- "No" means the BMP is applicable to the project but it is not feasible to implement. Discussion / justification must be provided.
- "N/A" means the BMP is not applicable at the project site because the project does not include the feature that is addressed by the BMP (e.g., the project site has no existing natural areas to conserve). Discussion / justification may be provided.

Site Design Requirement	Applied?		
SD-1 Maintain Natural Drainage Pathways and Hydrologic Features	☒ Yes	☐ No	☐ N/A
Discussion / justification if SD-1 not implemented:			
SD-2 Conserve Natural Areas, Soils, and Vegetation	☐ Yes	☐ No	☒ N/A
Discussion / justification if SD-2 not implemented: Site was previously disturbed.			
SD-3 Minimize Impervious Area	☒ Yes	☐ No	☐ N/A
Discussion / justification if SD-3 not implemented:			
SD-4 Minimize Soil Compaction	☒ Yes	☐ No	☐ N/A
Discussion / justification if SD-4 not implemented:			
SD-5 Impervious Area Dispersion	☒ Yes	☐ No	☐ N/A
Discussion / justification if SD-5 not implemented:			

Form I-5 Page 2 of 2, Form Date: March 15, 2016			
Site Design Requirement	**Applied?**		
SD-6 Runoff Collection	☒ Yes	☐ No	☐ N/A
Discussion / justification if SD-6 not implemented:			
SD-7 Landscaping with Native or Drought Tolerant Species	☒ Yes	☐ No	☐ N/A
Discussion / justification if SD-7 not implemented:			
SD-8 Harvesting and Using Precipitation	☐ Yes	☒ No	☐ N/A
Discussion / justification if SD-8 not implemented: Harvest and reuse of stormwater is not feasible since irrigation demand will be low following rain events and native/low water use plants will be used.			

Summary of PDP Structural BMPs	Form I-6 (PDPs) [March 15, 2016]

Project Identification

Project Name – Marcos Specific Plan

Permit Application Number

PDP Structural BMPs

All PDPs must implement structural BMPs for storm water pollutant control (see Chapter 5 of the BMP Design Manual). Selection of PDP structural BMPs for storm water pollutant control must be based on the selection process described in Chapter 5. PDPs subject to hydromodification management requirements must also implement structural BMPs for flow control for hydromodification management (see Chapter 6 of the BMP Design Manual). Both storm water pollutant control and flow control for hydromodification management can be achieved within the same structural BMP(s).

PDP structural BMPs must be verified by the local jurisdiction at the completion of construction. This may include requiring the project owner or project owner's representative and engineer of record to certify construction of the structural BMPs (see Section 1.12 of the BMP Design Manual). PDP structural BMPs must be maintained into perpetuity, and the local jurisdiction must confirm the maintenance (see Section 7 of the BMP Design Manual).

Use this form to provide narrative description of the general strategy for structural BMP implementation at the project site in the box below. Then complete the PDP structural BMP summary information sheet (page 3 of this form) for each structural BMP within the project (copy the BMP summary information page as many times as needed to provide summary information for each individual structural BMP).

Describe the general strategy for structural BMP implementation at the site. This information must describe how the steps for selecting and designing storm water pollutant control BMPs presented in Section 5.1 of the BMP Design Manual were followed, and the results (type of BMPs selected). For projects requiring hydromodification flow control BMPs, indicate whether pollutant control and flow control BMPs are integrated or separate.

Based on the geotechnical investigation, percolation rates at the site are very low. Therefore, infiltration BMPs are considered infeasible. Biofiltration BMPs were selected for the majority of the site as the highest performing BMPs that are feasible. Runoff will be collected in gutters, cross gutters, and shallow storm drain, which will direct the runoff to the biofiltration BMPs. The biofiltration BMPs have been sized for both pollutant control and hydromodification mitigation.

In DMA 3, sufficient space for a biofiltration basin is not available due to an existing public sewer line and easement. Here, a proprietary biofiltration unit and underground detention vault will be utilized to satisfy pollutant control and hydromodification requirements.

EPA SWMM was used to model the BMPs for hydromodification mitigation requirements.

The project street frontage on Grand Avenue will be treated utilizing Green Street features. The frontage improvements include addition of a sidewalk and bike path separated from Grand Avenue by a landscaped parkway. The sidewalk and bike path will be sloped to the landscaped parkway which will include street trees where allowed by sight distance constraints. This landscaped parkway and street trees will provide retention and pollutant removal of runoff from the sidewalk and bike path in accordance with Green Street guidance.

Form I-6 Page 2 of X, Form Date: March 15, 2016
(Page reserved for continuation of description of general strategy for structural BMP implementation at the site)
(Continued from page 1)

Form I-6 Page 3 of X (Copy as many as needed) Form Date: March 15, 2016	
Structural BMP Summary Information **(Copy this page as needed to provide information for each individual proposed structural BMP)**	
Structural BMP ID No. BMP 1	
Construction Plan Sheet No.	
Type of structural BMP: ☐ Retention by harvest and use (HU-1) ☐ Retention by infiltration basin (INF-1) ☐ Retention by bioretention (INF-2) ☐ Retention by permeable pavement (INF-3) ☐ Partial retention by biofiltration with partial retention (PR-1) ☒ Biofiltration (BF-1) ☐ Biofiltration with Nutrient Sensitive Media Design (BF-2) ☐ Proprietary Biofiltration (BF-3) meeting all requirements of Appendix F ☐ Flow-thru treatment control with prior lawful approval to meet earlier PDP requirements (provide BMP type/description in discussion section below) ☐ Flow-thru treatment control included as pre-treatment/forebay for an onsite retention or biofiltration BMP (provide BMP type/description and indicate which onsite retention or biofiltration BMP it serves in discussion section below) ☐ Flow-thru treatment control with alternative compliance (provide BMP type/description in discussion section below) ☐ Detention pond or vault for hydromodification management ☐ Other (describe in discussion section below)	
Purpose: ☐ Pollutant control only ☐ Hydromodification control only ☒ Combined pollutant control and hydromodification control ☐ Pre-treatment/forebay for another structural BMP ☐ Other (describe in discussion section below)	
Who will certify construction of this BMP? Provide name and contact information for the party responsible to sign BMP verification forms if required by the [City Engineer] (See Section 1.12 of the BMP Design Manual)	Kenneth T. Kozlik, PE Fuscoe Engineering, Inc. 6390 Greenwich Drive, Suite 170 San Diego, CA 92122 kkozlik@fuscoe.com
Who will be the final owner of this BMP?	To-Be-Formed Homeowner's Association
Who will maintain this BMP into perpetuity?	To-Be-Formed Homeowner's Association
What is the funding mechanism for maintenance?	Private

Form I-6 Page 4 of X (Copy as many as needed) , Form Date: March 15, 2016
Structural BMP ID No. BMP 1
Construction Plan Sheet No.
Discussion (as needed):

Structural BMP Summary Information
(Copy this page as needed to provide information for each individual proposed structural BMP)

Structural BMP ID No. BMP 2

Construction Plan Sheet No.

Type of structural BMP:
- ☐ Retention by harvest and use (HU-1)
- ☐ Retention by infiltration basin (INF-1)
- ☐ Retention by bioretention (INF-2)
- ☐ Retention by permeable pavement (INF-3)
- ☐ Partial retention by biofiltration with partial retention (PR-1)
- ☒ Biofiltration (BF-1)
- ☐ Biofiltration with Nutrient Sensitive Media Design (BF-2)
- ☐ Proprietary Biofiltration (BF-3) meeting all requirements of Appendix F
- ☐ Flow-thru treatment control with prior lawful approval to meet earlier PDP requirements (provide BMP type/description in discussion section below)
- ☐ Flow-thru treatment control included as pre-treatment/forebay for an onsite retention or biofiltration BMP (provide BMP type/description and indicate which onsite retention or biofiltration BMP it serves in discussion section below)
- ☐ Flow-thru treatment control with alternative compliance (provide BMP type/description in discussion section below)
- ☐ Detention pond or vault for hydromodification management
- ☐ Other (describe in discussion section below)

Purpose:
- ☐ Pollutant control only
- ☐ Hydromodification control only
- ☒ Combined pollutant control and hydromodification control
- ☐ Pre-treatment/forebay for another structural BMP
- ☐ Other (describe in discussion section below)

Who will certify construction of this BMP? Provide name and contact information for the party responsible to sign BMP verification forms if required by the [City Engineer] (See Section 1.12 of the BMP Design Manual)	Kenneth T. Kozlik, PE Fuscoe Engineering, Inc. 6390 Greenwich Drive, Suite 170 San Diego, CA 92122 kkozlik@fuscoe.com
Who will be the final owner of this BMP?	To-Be-Formed Homeowner's Association
Who will maintain this BMP into perpetuity?	To-Be-Formed Homeowner's Association
What is the funding mechanism for maintenance?	Private

Form I-6 Page 6 of X (Copy as many as needed) , Form Date: March 15, 2016
Structural BMP ID No. BMP 2
Construction Plan Sheet No.
Discussion (as needed):

Structural BMP Summary Information
(Copy this page as needed to provide information for each individual proposed structural BMP)

Structural BMP ID No. BMP 3-MWS

Construction Plan Sheet No.

Type of structural BMP:
- ☐ Retention by harvest and use (HU-1)
- ☐ Retention by infiltration basin (INF-1)
- ☐ Retention by bioretention (INF-2)
- ☐ Retention by permeable pavement (INF-3)
- ☐ Partial retention by biofiltration with partial retention (PR-1)
- ☐ Biofiltration (BF-1)
- ☐ Biofiltration with Nutrient Sensitive Media Design (BF-2)
- ☒ Proprietary Biofiltration (BF-3) meeting all requirements of Appendix F
- ☐ Flow-thru treatment control with prior lawful approval to meet earlier PDP requirements (provide BMP type/description in discussion section below)
- ☐ Flow-thru treatment control included as pre-treatment/forebay for an onsite retention or biofiltration BMP (provide BMP type/description and indicate which onsite retention or biofiltration BMP it serves in discussion section below)
- ☐ Flow-thru treatment control with alternative compliance (provide BMP type/description in discussion section below)
- ☐ Detention pond or vault for hydromodification management
- ☐ Other (describe in discussion section below)

Purpose:
- ☒ Pollutant control only
- ☐ Hydromodification control only
- ☐ Combined pollutant control and hydromodification control
- ☐ Pre-treatment/forebay for another structural BMP
- ☐ Other (describe in discussion section below)

Who will certify construction of this BMP? Provide name and contact information for the party responsible to sign BMP verification forms if required by the [City Engineer] (See Section 1.12 of the BMP Design Manual)	Kenneth T. Kozlik, PE Fuscoe Engineering, Inc. 6390 Greenwich Drive, Suite 170 San Diego, CA 92122 kkozlik@fuscoe.com
Who will be the final owner of this BMP?	To-Be-Formed Homeowner's Association
Who will maintain this BMP into perpetuity?	To-Be-Formed Homeowner's Association
What is the funding mechanism for maintenance?	Private

Form I-6 Page 8 of X (Copy as many as needed) , Form Date: March 15, 2016
Structural BMP ID No. BMP 3-MWS
Construction Plan Sheet No.
Discussion (as needed):

Structural BMP Summary Information
(Copy this page as needed to provide information for each individual proposed structural BMP)

Structural BMP ID No. BMP 3-DET

Construction Plan Sheet No.

Type of structural BMP:
- ☐ Retention by harvest and use (HU-1)
- ☐ Retention by infiltration basin (INF-1)
- ☐ Retention by bioretention (INF-2)
- ☐ Retention by permeable pavement (INF-3)
- ☐ Partial retention by biofiltration with partial retention (PR-1)
- ☐ Biofiltration (BF-1)
- ☐ Biofiltration with Nutrient Sensitive Media Design (BF-2)
- ☐ Proprietary Biofiltration (BF-3) meeting all requirements of Appendix F
- ☐ Flow-thru treatment control with prior lawful approval to meet earlier PDP requirements (provide BMP type/description in discussion section below)
- ☐ Flow-thru treatment control included as pre-treatment/forebay for an onsite retention or biofiltration BMP (provide BMP type/description and indicate which onsite retention or biofiltration BMP it serves in discussion section below)
- ☐ Flow-thru treatment control with alternative compliance (provide BMP type/description in discussion section below)
- ☒ Detention pond or vault for hydromodification management
- ☐ Other (describe in discussion section below)

Purpose:
- ☐ Pollutant control only
- ☒ Hydromodification control only
- ☐ Combined pollutant control and hydromodification control
- ☐ Pre-treatment/forebay for another structural BMP
- ☐ Other (describe in discussion section below)

Who will certify construction of this BMP? Provide name and contact information for the party responsible to sign BMP verification forms if required by the [City Engineer] (See Section 1.12 of the BMP Design Manual)	Kenneth T. Kozlik, PE Fuscoe Engineering, Inc. 6390 Greenwich Drive, Suite 170 San Diego, CA 92122 kkozlik@fuscoe.com
Who will be the final owner of this BMP?	To-Be-Formed Homeowner's Association
Who will maintain this BMP into perpetuity?	To-Be-Formed Homeowner's Association
What is the funding mechanism for maintenance?	Private

Form I-6 Page 10 of X (Copy as many as needed) , Form Date: March 15, 2016
Structural BMP ID No. BMP 3-DET
Construction Plan Sheet No.
Discussion (as needed):

ATTACHMENT 1
BACKUP FOR PDP POLLUTANT CONTROL BMPS

This is the cover sheet for Attachment 1.

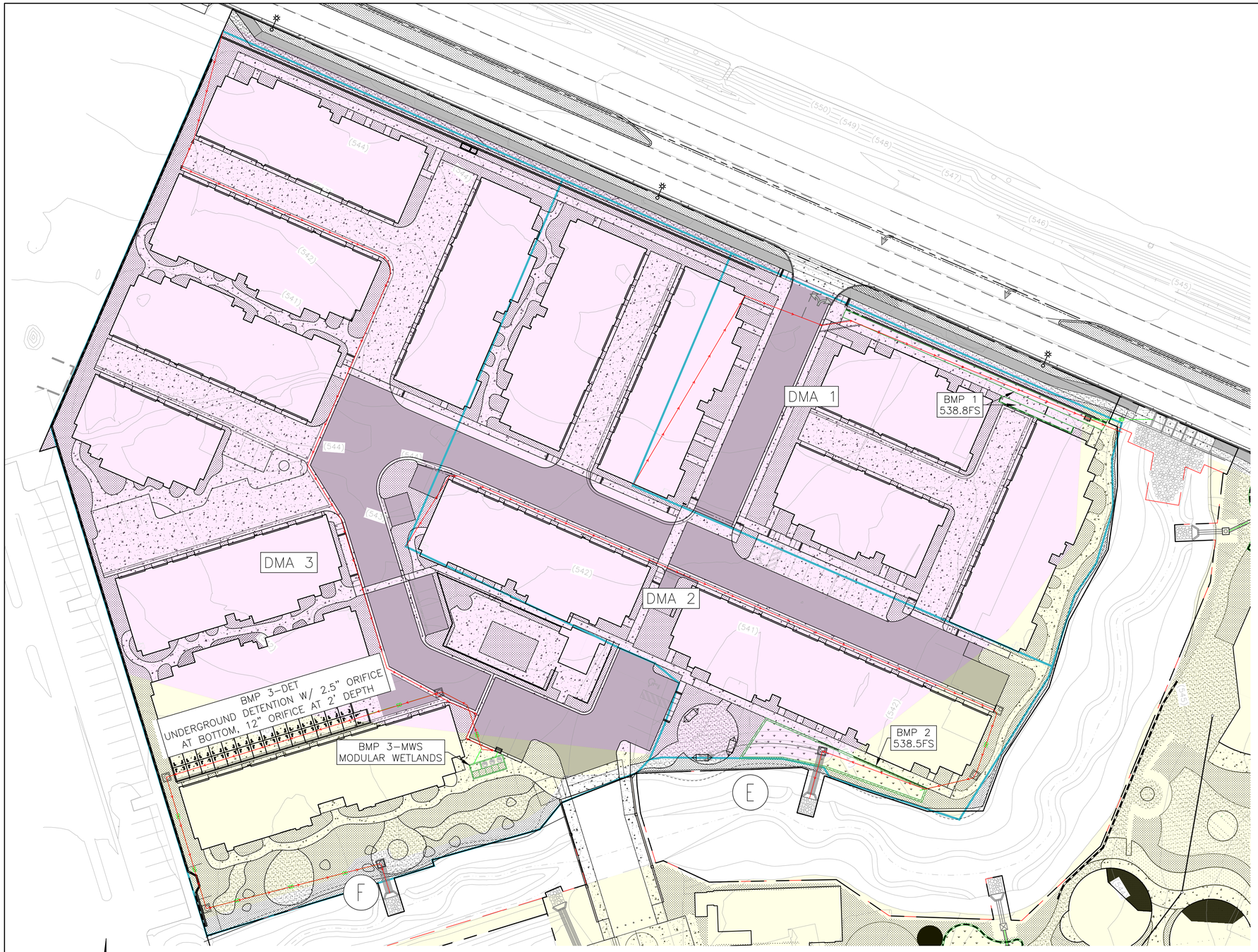
Indicate which Items are Included behind this cover sheet:

Attachment Sequence	Contents	Checklist
Attachment 1a	DMA Exhibit (Required) See DMA Exhibit Checklist on the back of this Attachment cover sheet.	☐ Included
Attachment 1b	Tabular Summary of DMAs Showing DMA ID matching DMA Exhibit, DMA Area, and DMA Type (Required)* *Provide table in this Attachment OR on DMA Exhibit in Attachment 1a	☐ Included on DMA Exhibit in Attachment 1a ☐ Included as Attachment 1b, separate from DMA Exhibit
Attachment 1c	Form I-7, Harvest and Use Feasibility Screening Checklist (Required unless the entire project will use infiltration BMPs) Refer to Appendix B.3-1 of the BMP Design Manual to complete Form I-7.	☐ Included ☐ Not included because the entire project will use infiltration BMPs
Attachment 1d	Form I-8, Categorization of Infiltration Feasibility Condition (Required unless the project will use harvest and use BMPs) Refer to Appendices C and D of the BMP Design Manual to complete Form I-8.	☐ Included ☐ Not included because the entire project will use harvest and use BMPs
Attachment 1e	Pollutant Control BMP Design Worksheets / Calculations (Required) Refer to Appendices B and E of the BMP Design Manual for structural pollutant control BMP design guidelines	☐ Included

Use this checklist to ensure the required information has been included on the DMA Exhibit:

The DMA Exhibit must identify:

- ☐ Underlying hydrologic soil group
- ☐ Approximate depth to groundwater
- ☐ Existing natural hydrologic features (watercourses, seeps, springs, wetlands)
- ☐ Critical coarse sediment yield areas to be protected
- ☐ Existing topography and impervious areas
- ☐ Existing and proposed site drainage network and connections to drainage offsite
- ☐ Proposed demolition
- ☐ Proposed grading
- ☐ Proposed impervious features
- ☐ Proposed design features and surface treatments used to minimize imperviousness
- ☐ Drainage management area (DMA) boundaries, DMA ID numbers, and DMA areas (square footage or acreage), and DMA type (i.e., drains to BMP, self-retaining, or self-mitigating)
- ☐ Potential pollutant source areas and corresponding required source controls (see Chapter 4, Appendix E.1, and Form I-3B)
- ☐ Structural BMPs (identify location, type of BMP, and size/detail)



DMA SUMMARY

DMA									BMP					
DMA ID	IMPERVIOUS		PERVIOUS		TOTAL AREA		PERCENT IMPERVIOUS	WEIGHTED RUNOFF FACTOR	DMA TYPE	BMP ID	BMP TYPE	SIZING		Orifice Size (in)	Riser Orifice Size (in)
	(SF)	(AC)	(SF)	(AC)	(SF)	(AC)						PROVIDED	UNIT		
DMA 1	32,466	0.75	7,765	0.18	40,231	0.92	81%	0.75	FLOWS TO BMP-1	BMP 1	BIOFILTRATION	930	sf	1	1
DMA 2	44,555	1.02	11,070	0.25	55,625	1.28	80%	0.74	FLOWS TO BMP-2	BMP 2	BIOFILTRATION	1,300	sf	1	1
DMA 3	90,945	2.09	23,910	0.55	114,855	2.64	79%	0.73	FLOWS TO BMP-3	BMP 3-MWS	PROP. BIOFILTRATION - MWS-L-8-20-V	0.580	cfs	n/a	n/a
										BMP 3-DET	CISTERN - URBAN POND	6,089	cf	2.5	12
Total	**167,966**	**3.86**	**42,745**	**0.98**	**210,711**	**4.84**	**80%**								

Area Breakdown		
Total Site Area	219,274	5.03
Existing Impervious	12,216	0.28
Proposed Impervious	167,966	3.86
Added Impervious	155,750	3.58
Existing Pervious	207,058	4.75
Proposed Pervious*	42,745	0.98
% Increase	1275%	

30' 0' 10' 20' 30' 60'
SCALE: 1" = 30'

LEGEND

- POC
- BUILDING
- ASPHALT PAVEMENT
- CONCRETE
- LANDSCAPE
- BIOFILTRATION BASIN
- LONGEST FLOW PATH
- DMA LIMITS
- SOIL TYPE C
- SOIL TYPE D

DATUM NOTE

ELEVATIONS SHOWN HEREON ARE PER NGVD 29 DATUM. CONVERSION TO NAVD 88 DATUM IS +2.31 FT.

MARCOS

DMA EXHIBIT

FUSCOE ENGINEERING
6390 Greenwich Dr., Suite 170
San Diego, California 92122
tel 858.554.1500 ◦ fax 858.597.0335
www.fuscoe.com

JOB NO. 1960-001
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SHEET 1 of 2

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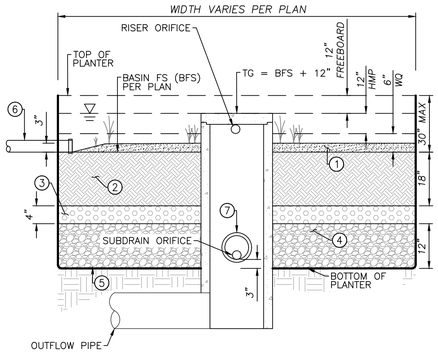


BIOFILTRATION/PLANTER DETAIL

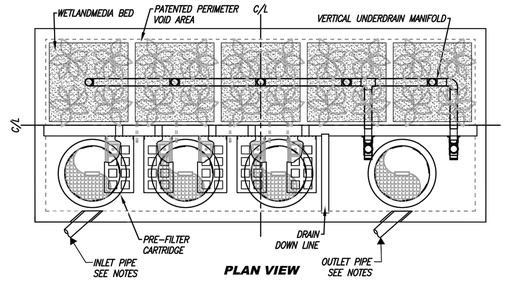
(BMPS 1 & 2)

DETAIL NOTES:

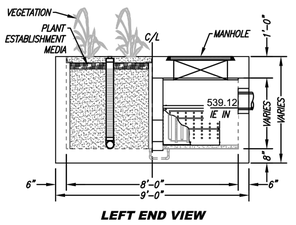
1. OPTIONAL 3" OF WELL-AGED, SHREDDED HARDWOOD MULCH. PROPOSED LANDSCAPING SHALL BE DROUGHT TOLERANT
2. 18" MEDIA LAYER OF LOAMY SAND TYPE SOIL W/ MIN. FILTRATION RATE = 5 IN./HR. SOIL MEDIA SHALL MEET THE CITY OF SAN DIEGO STORM WATER STANDARDS MANUAL, BIOFILTRATION SOIL MEDIA SPECIFICATION PROVIDED IN APPENDIX F.4 OR COUNTY OF SAN DIEGO LOW IMPACT DEVELOPMENT HANDBOOK: APPENDIX G-BIORETENTION SOIL SPECIFICATION (JUNE 2014, UNLESS SUPERSEDED BY MORE RECENT EDITION).
3. 4" WASHED PEA GRAVEL FILTER COURSE LAYER
4. 12" CLASS 2 PERMEABLE PER CALTRANS SPECIFICATION 68-1.025 WASHED, OPEN-GRADED CRUSHED ROCK AGGREGATE STORAGE LAYER WITH 40% VOID RATIO
5. BOTH SIDES AND BOTTOM OF BIOFILTRATION PLANTER SHALL BE LINED WITH 30 MIL THICK PVC LINER. PROVIDE 18" OVERLAPPED, THERMAL WELDED SEAMS AT ALL SEAMS. PLACE NON-WOVEN FILTER FABRIC (MIRAFI 140N OR EQUAL) ON EITHER SIDE OF PVC LINER TO PROTECT LINER FROM PUNCTURE ON ALL SIDES, "SANDWICHING" THE PVC LINER WITH A FABRIC CUSHION.
6. 4" PVC EQUALIZATION PIPE @ 0% SLOPE FOR LINEAR BIOFILTRATIONS IF APPLICABLE
7. 6" PERFORATED PIPES @ +3" BOTTOM OF PLANTER WITH CLEANOUTS AND 1" ORIFICE AT CATCH BASIN

SITE SPECIFIC DATA			
PROJECT NUMBER			
PROJECT NAME		MARCOS WESTEND	
PROJECT LOCATION		SAN MARCOS, CA	
STRUCTURE ID		BMP 3-MWS	
TREATMENT REQUIRED			
FLOW BASED (CFS)			
0.577			
PEAK BYPASS REQUIRED (CFS) - IF APPLICABLE			OFFLINE
PIPE DATA	I.E.	MATERIAL	DIAMETER
INLET PIPE 1	539.12	PVC	12"
INLET PIPE 2	N/A	N/A	N/A
OUTLET PIPE	538.79	PVC	12"
	PRETREATMENT	BIOFILTRATION	DISCHARGE
RIM ELEVATION	542.39		
SURFACE LOAD	PEDESTRIAN		
NOTES:			

* PRELIMINARY NOT FOR CONSTRUCTION



PLAN VIEW



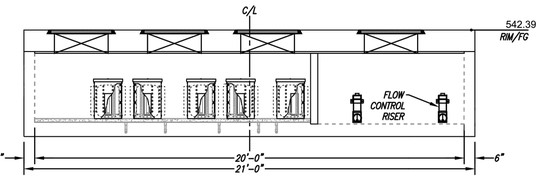
LEFT END VIEW

INSTALLATION NOTES

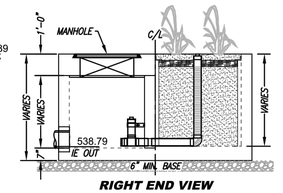
1. CONTRACTOR TO PROVIDE ALL LABOR, EQUIPMENT, MATERIALS AND INCIDENTALS REQUIRED TO OFFLOAD AND INSTALL THE SYSTEM AND APPURTENANCES IN ACCORDANCE WITH THIS DRAWING AND THE MANUFACTURERS' SPECIFICATIONS, UNLESS OTHERWISE STATED IN MANUFACTURER'S CONTRACT.
2. UNIT MUST BE INSTALLED ON LEVEL BASE. MANUFACTURER RECOMMENDS A MINIMUM 6" LEVEL ROCK BASE UNLESS SPECIFIED BY THE PROJECT ENGINEER. CONTRACTOR IS RESPONSIBLE FOR VERIFYING PROJECT ENGINEER'S RECOMMENDED BASE SPECIFICATIONS.
4. CONTRACTOR TO SUPPLY AND INSTALL ALL EXTERNAL CONNECTING PIPES. ALL PIPES MUST BE FLUSH WITH INSIDE SURFACE OF CONCRETE (PIPES CANNOT INTRUDE BEYOND FLUSH). INVERT OF OUTFLOW PIPE MUST BE FLUSH WITH DISCHARGE CHAMBER FLOOR. ALL PIPES SHALL BE SEALED WATERTIGHT PER MANUFACTURER'S STANDARD CONNECTION DETAIL.
5. CONTRACTOR RESPONSIBLE FOR INSTALLATION OF ALL PIPES, RISERS, MANHOLES, AND HATCHES. CONTRACTOR TO USE GROUT AND/OR BRICKS TO MATCH COVERS WITH FINISHED SURFACE UNLESS SPECIFIED OTHERWISE.
6. VEGETATION SUPPLIED AND INSTALLED BY OTHERS. ALL UNITS WITH VEGETATION MUST HAVE DRIP OR SPRAY IRRIGATION SUPPLIED AND INSTALLED BY OTHERS.
7. CONTRACTOR RESPONSIBLE FOR CONTACTING CONTECH FOR ACTIVATION OF UNIT. MANUFACTURER'S WARRANTY IS VOID WITHOUT PROPER ACTIVATION BY A CONTECH REPRESENTATIVE.

GENERAL NOTES

1. MANUFACTURER TO PROVIDE ALL MATERIALS UNLESS OTHERWISE NOTED.
2. ALL DIMENSIONS, ELEVATIONS, SPECIFICATIONS AND CAPACITIES ARE SUBJECT TO CHANGE. FOR PROJECT SPECIFIC DRAWINGS DETAILING EXACT DIMENSIONS, WEIGHTS AND ACCESSORIES PLEASE CONTACT CONTECH.



ELEVATION VIEW



RIGHT END VIEW

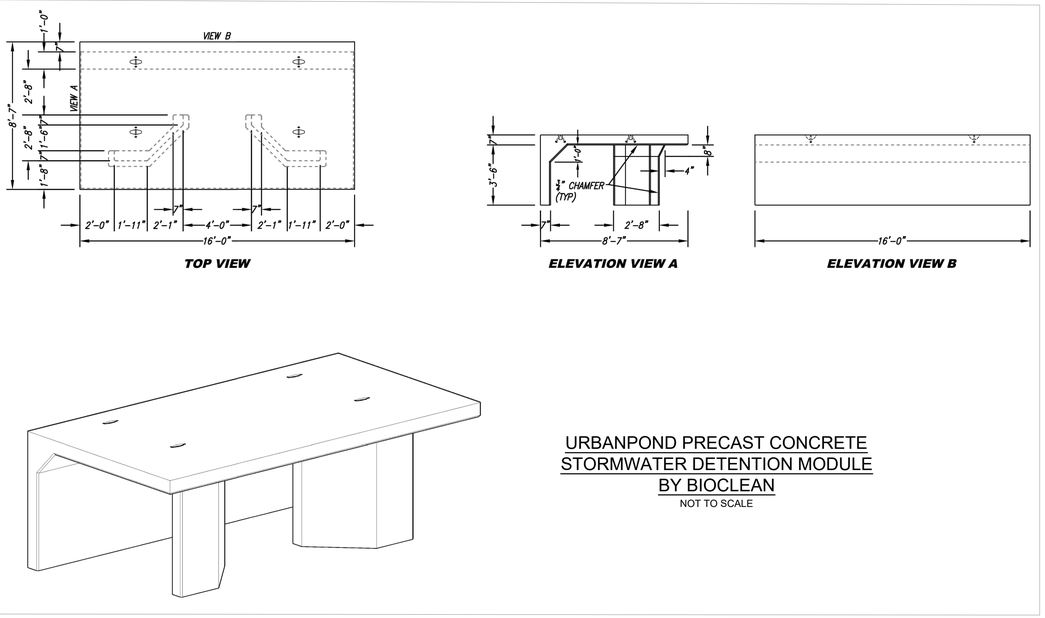
TREATMENT FLOW (CFS)	0.577
OPERATING HEAD (FT)	3.4
PRETREATMENT LOADING RATE (GPM/SF)	2.0
WETLAND MEDIA LOADING RATE (GPM/SF)	1.0

MODULAR WETLANDS — FOR PATENT INFORMATION, GO TO www.ContechES.com/IP

CONTECH ENGINEERED SOLUTIONS LLC — www.ContechES.com

MWS-L-8-20-V
STORMWATER BIOFILTRATION SYSTEM STANDARD DETAIL

PROPRIETARY BIOFILTRATION DETAIL
MODULAR WETLANDS MWS-L-8-20-V
NOT TO SCALE



URBANPOND PRECAST CONCRETE
STORMWATER DETENTION MODULE
BY BIOCLEAN
NOT TO SCALE

MARCOS

DMA AND HYDROMODIFICATION DETAILS

FUSCOE ENGINEERING
6390 Greenwich Dr., Suite 170
San Diego, California 92122
tel 858.554.1500 ◦ fax 858.597.0335
www.fuscoe.com

JOB NO. 1960-001
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SHEET 2 of 2

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Toliet and Urinal Water Usage per Resident or Employee						
Land Use Type	Toliet User Unit of Normalization	Toliet Flushing	Per Capita Use per Day		Water Efficient Factor	Total Use per Resident or Employee
			Urinals	Visitor Factor		
Residential	Resident	18.5	NA	NA	0.5	9.3

Dwelling Units	102	units
Resident per Unit	3.0	Resident
Toliet and Urinal Demand	380	cubic - feet / day
36 hr. Demand	571	cubic - feet
DCV	9,814	cubic - feet
36 hr. Demand ≥ DCV	No	
DCV > 36 hr. Demand > 0.25DCV	No	
36 hr. Demand < 0.25DCV	Yes	
Harvest Use:	Not Feasible	

Harvest and use is considered to be infeasible

Planning Level Irrigation Demand by Plant Factor and Landscape Type		
General Landscape Type	**36-Hour Planning Level Irrigation Demand**	**Units**
Hydrozone - Moderate Plant Water Use	1,470	gal /acre / 36 hrs
Proposed Planted Area	1.47	acres
36 hr. Demand	289	cubic - feet
DCV	9,814	cubic - feet
36 hr. Demand ≥ DCV	No	
DCV > 36 hr. Demand > 0.25DCV	No	
36 hr. Demand < 0.25DCV	Yes	
Harvest Use:	Not Feasible	

Harvest and use is considered to be infeasible

Categorization of Infiltration Feasibility Condition — Form I-8

Part 1 – Full Infiltration Feasibility Screening Criteria

Would infiltration of the full design volume be feasible from a physical perspective without any undesirable consequences that cannot be reasonably mitigated?

Criteria	Screening Question	Yes	No
1	**Is the estimated reliable infiltration rate below proposed facility locations greater than 0.5 inches per hour?** The response to this Screening Question shall be based on a comprehensive evaluation of the factors presented in Appendix C.2 and Appendix D.	☐	☒

Provide basis:

Infiltration to be verified by testing per city's BMP Manual Appendix D. Maximum infiltration rate observed was 0.04 in/hr. Testing performed by GeoTek, Inc, in their report *Draft Geotechnical Evaluation, Proposed Commercial Development, SWC Grading Avenue and Linda Vista Drive*, dated 5/28/2020.

Summarize findings of studies; provide reference to studies, calculations, maps, data sources, etc. Provide narrative discussion of study/data source applicability.

2	**Can infiltration greater than 0.5 inches per hour be allowed without increasing risk of geotechnical hazards (slope stability, groundwater mounding, utilities, or other factors) that cannot be mitigated to an acceptable level?** The response to this Screening Question shall be based on a comprehensive evaluation of the factors presented in Appendix C.2.	☐	☒

Provide basis:

Infiltration to be verified by testing per city's BMP Manual Appendix D. Maximum infiltration rate observed was 0.04 in/hr. Testing performed by GeoTek, Inc, in their report *Draft Geotechnical Evaluation, Proposed Commercial Development, SWC Grading Avenue and Linda Vista Drive*, dated 5/28/2020.

Summarize findings of studies; provide reference to studies, calculations, maps, data sources, etc. Provide narrative discussion of study/data source applicability.

3	**Can infiltration greater than 0.5 inches per hour be allowed without increasing risk of groundwater contamination (shallow water table, storm water pollutants or other factors) that cannot be mitigated to an acceptable level?** The response to this Screening Question shall be based on a comprehensive evaluation of the factors presented in Appendix C.3.	☐	☒

Provide basis:

Infiltration to be verified by testing per city's BMP Manual Appendix D. Maximum infiltration rate observed was 0.04 in/hr. Testing performed by GeoTek, Inc, in their report Draft Geotechnical Evaluation, Proposed Commercial Development, SWC Grading Avenue and Linda Vista Drive, dated 5/28/2020.

Summarize findings of studies; provide reference to studies, calculations, maps, data sources, etc. Provide narrative discussion of study/data source applicability.

4	**Can infiltration greater than 0.5 inches per hour be allowed without causing potential water balance issues such as change of seasonality of ephemeral streams or increased discharge of contaminated groundwater to surface waters?** The response to this Screening Question shall be based on a comprehensive evaluation of the factors presented in Appendix C.3.	☐	☒

Provide basis:

Infiltration to be verified by testing per city's BMP Manual Appendix D. Maximum infiltration rate observed was 0.04 in/hr. Testing performed by GeoTek, Inc, in their report *Draft Geotechnical Evaluation, Proposed Commercial Development, SWC Grading Avenue and Linda Vista Drive*, dated 5/28/2020.

Summarize findings of studies; provide reference to studies, calculations, maps, data sources, etc. Provide narrative discussion of study/data source applicability.

Part 1 Result*	If all answers to rows 1-4 are "**Yes**" a full infiltration design is potentially feasible. The feasibility screening category is **Full Infiltration.** If any answer from row 1-4 is "**No**", infiltration may be possible to some extent but would not generally be feasible or desirable to achieve a "full infiltration" design. Proceed to Part 2	**Full Infiltration Feasible** ☐	**Full Infiltration Infeasible** ☒

*To be completed using gathered site information and best professional judgement considering the definition of MEP in the MS4 permit. Additional testing and/or studies may be required by Agency/Jurisdictions to substantiate findings.

Categorization of Infiltration Feasibility Condition

Form I-8

Part 2 – Partial Infiltration vs. No Infiltration Feasibility Screening Criteria

Would infiltration of water in any appreciable amount be physically feasible without any negative consequences that cannot be reasonably mitigated?

Criteria	Screening Question	Yes	No
5	**Do soil and geologic conditions allow for infiltration in any appreciable rate or volume?** The response to this Screening Question shall be based on a comprehensive evaluation of the factors presented in Appendix C.2 and Appendix D.	☐	☒

Provide basis:

Infiltration to be verified by testing per city's BMP Manual Appendix D. Maximum infiltration rate observed was 0.04 in/hr. Testing performed by GeoTek, Inc, in their report *Draft Geotechnical Evaluation, Proposed Commercial Development, SWC Grading Avenue and Linda Vista Drive*, dated 5/28/2020.

Summarize findings of studies; provide reference to studies, calculations, maps, data sources, etc. Provide narrative discussion of study/data source applicability.

6	**Can infiltration in any appreciable quantity be allowed without increasing risk of geotechnical hazards (slope stability, groundwater mounding, utilities, or other factors) that cannot be mitigated to an acceptable level?** The response to this Screening Question shall be based on a comprehensive evaluation of the factors presented in Appendix C.2.	☒	☐

Provide basis:

Summarize findings of studies; provide reference to studies, calculations, maps, data sources, etc. Provide narrative discussion of study/data source applicability.

7	**Can infiltration in any appreciable quantity be allowed without posing significant risk for groundwater related concerns (shallow water table, storm water pollutants or other factors)?** The response to this Screening Question shall be based on a comprehensive evaluation of the factors presented in Appendix C.3.	☒	☐
Provide basis: Summarize findings of studies; provide reference to studies, calculations, maps, data sources, etc. Provide narrative discussion of study/data source applicability.			
8	**Can infiltration be allowed without violating downstream water rights?** The response to this Screening Question shall be based on a comprehensive evaluation of the factors presented in Appendix C.3.	☒	☐
Provide basis: Summarize findings of studies; provide reference to studies, calculations, maps, data sources, etc. Provide narrative discussion of study/data source applicability.			
Part 2 Result*	If all answers to rows 1-4 are "**Yes**" a partial infiltration design is potentially feasible. The feasibility screening category is **Partial Infiltration.** If any answer from row 5-8 is "**No**", infiltration of any volume is considered to be **infeasible** within the drainage area. The feasibility screening category is **No Infiltration.**	**Partial Infiltration** ☐	**No Infiltration** ☒

*To be completed using gathered site information and best professional judgement considering the definition of MEP in the MS4 permit. Additional testing and/or studies may be required by Agency/Jurisdictions to substantiate findings.

B.6.3 Sizing Flow-Thru Treatment Control BMPs:

Flow-thru treatment control BMPs shall be sized to filter or treat the maximum flow rate of runoff produced from a rainfall intensity of 0.2 inch of rainfall per hour, for each hour of every storm event. The required flow-thru treatment rate should be adjusted for the portion of the DCV already retained or biofiltered onsite as described in Worksheet B.6-1. The following hydrologic method shall be used to calculate the flow rate to be filtered or treated:

$$Q = C \times i \times A$$

Where:

Q = Design flow rate in cubic feet per second

C = Runoff factor, area-weighted estimate using Table B.1-1.

i = Rainfall intensity of 0.2 in/hr.

A = Tributary area (acres) which includes the total area draining to the BMP, including any offsite or onsite areas that comingle with project runoff and drain to the BMP. Refer to Section 3.3.3 for additional guidance. Street projects consult Section 1.4.3.

Worksheet B.6-1: Flow-Thru Design Flows

Flow-thru Design Flows		Worksheet B.6-1		
1	DCV	DCV	5,332	cubic-feet
2	DCV retained	$DCV_{retained}$	0	cubic-feet
3	DCV biofiltered	$DCV_{biofiltered}$	0	cubic-feet
4	DCV requiring flow-thru (Line 1 – Line 2 – 0.67*Line 3)	$DCV_{flow\text{-}thru}$	5,332	cubic-feet
5	Adjustment factor (Line 4 / Line 1)*	AF=	1.5*	unitless
6	Design rainfall intensity	i=	0.20	in/hr
7	Area tributary to BMP (s)	A=	2.64	acres
8	Area-weighted runoff factor (estimate using Appendix B.2)	C=	0.73	unitless
9	Calculate Flow Rate = AF x (C x i x A)	Q=	0.58	cfs

1) Adjustment factor shall be estimated considering only retention and biofiltration BMPs located upstream of flow-thru BMPs. That is, if the flow-thru BMP is upstream of the project's retention and biofiltration BMPs then the flow-thru BMP shall be sized using an adjustment factor of 1.

2) Volume based (e.g., dry extended detention basin) flow-thru treatment control BMPs shall be sized to the volume in Line 4 and flow based (e.g., vegetated swales) shall be sized to flow rate in Line 9. Sand filter and media filter can be designed either by volume in Line 4 or flow rate in Line 9.

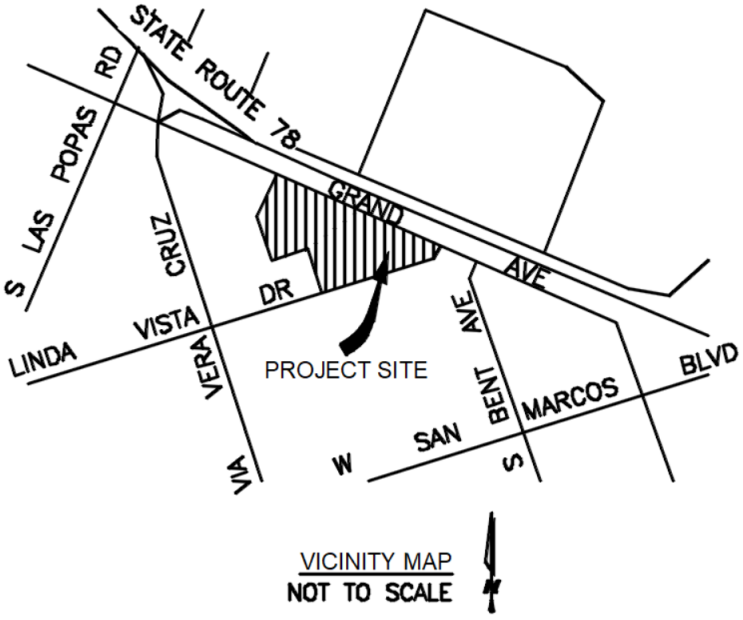
3) Proprietary BMPs, if used, shall provide certified treatment capacity equal to or greater than the calculated flow rate in Line 9; certified treatment capacity per unit shall be consistent with third party certifications.

* - Per City of San Marcos BMP Design Manual, proprietary biofiltration requires treatment of 1.5 times the DVC

INTRODUCTION

Project Description:

The Marcos project consists of approximately 10.8 acres near the southwest corner of the Linda Vista Drive and Grand Avenue intersection in the city of San Marcos, California. The project is bisected by a channel which separates the project into two development areas. The 5.0 acres north of the channel will be used to develop 102 condominium residential units while the 5.8 acres south of the channel will be developed for commercial and mixed use.



Existing Conditions:

The existing site consists of two development area that were previously commercial pads but have had the buildings demolished. From an aerial view, both areas visually appear flat. The channel was recently improved by the City of San Marcos (CIP Project Code 88214, "Grand Avenue Drainage / Road Improvements", IP-4826 and VWD no. 201930). Please reference Appendix 7 in the Drainage Report for channel improvement drawings. Each development area had new storm drain added to collect runoff from the pads and discharge into the improved channel. A bridge was constructed to link the two development areas.

Proposed Conditions:

In the proposed condition, onsite drainage will be covered by a separate SWQMP. Proposed public improvements around the site will be treated by green street elements including trees. Ultimately, the proposed development areas will be re-graded to ensure that the runoff is routed to the channel.

Green Street Elements

Public improvement treatment will be provided by private green street element trees. Proposed trees would capture storm water, provide shade, and cool pavement.

Water Quality Compliance:

The proposed project would not require Regional Water Quality Control Board Section 401 Certification or a U.S. Army Corps of Engineers 404 permit. The project site is fully developed and devoid of natural vegetation and habitat.

Operation/Maintenance:

Green street elements would fall under the responsibility of would be formed Homeowners Association.

Applicability of Storm Water Best Management Practices (BMP) Requirements (Storm Water Intake Form for all Development Permit Applications) For detailed information please visit: http://www.san-marcos.net/departments/development-services/stormwater/development-planning	Form I-1 Version 1.0 [March 15, 2016]

Project Identification

Project Name: Marcos Project	
Description: Proposed development of residential and commerical use buildings	
Permit Application Number (if applicable):	Date: 2022/10/5
Project Address: Grand Avenue and Linda Vista Drive	

Determination of Requirements

This form is required as part of the City's application process. The purpose of this form is to identify potential land development planning storm water requirements that apply to development projects.

Development projects are defined as construction, rehabilitation, redevelopment, or reconstruction of any public or private projects. In addition, the identification of a development project, as it relates to storm water regulations, would truly apply to development and redevelopment activities that have the potential to contact storm water and contribute a source of pollutants, or reduce the natural absorption and infiltration abilities of the land.

To access the BMP Design Manual, Storm Water Quality Management Plan (SWQMP) templates, and other pertinent information related to this program please refer to:
http://www.san-marcos.net/departments/development-services/stormwater/development-planning

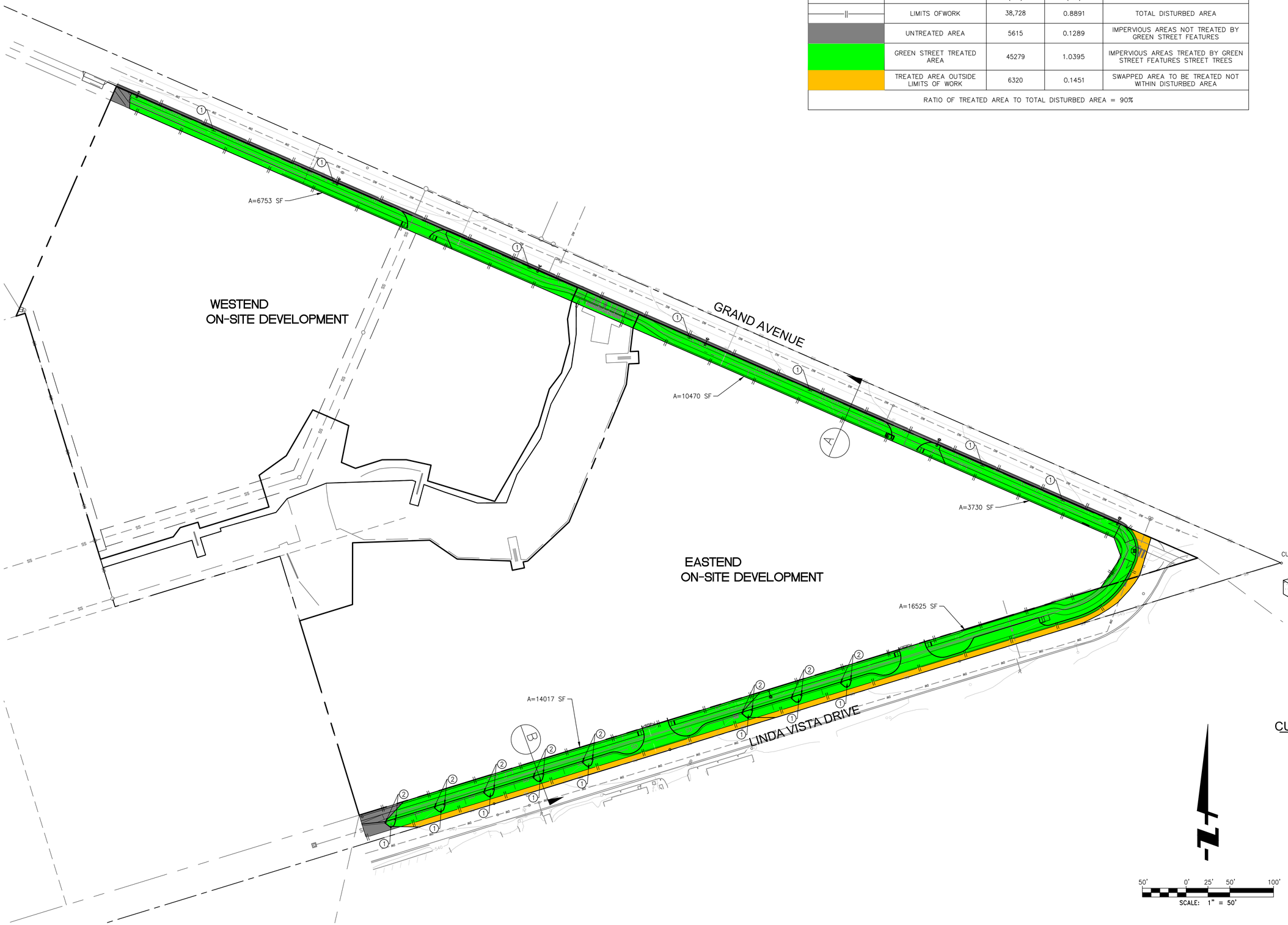
Please answer each of the following steps below, starting with Step 1 and progressing through each step until reaching "Stop".

Step	Answer	Progression
Step 1: Based on the above, Is the project a "development project"? (see definition above) See Section 1.3 of the BMP Design Manual for further guidance if necessary.	☒ Yes	Go to Step 2.
	☐ No	Permanent BMP requirements do not apply. No SWQMP will be required. Provide brief discussion below. **STOP.**
Discussion / justification if the project is not a "development project" (e.g., the project includes *only* interior remodels within an existing building):		
Step 2: Is the project a Standard Project, Priority Development Project (PDP), or exception to PDP definitions? **To answer this item, complete Form I-2, Project Type Determination. See Section 1.4 of the BMP Design Manual *in its entirety* for guidance.** **In addition to Section 1.4, please refer to the City's SWQMP Submittal Requirements form.**	☐ Standard Project	Only Standard Project requirements apply, including Standard Project SWQMP. **STOP.**
	☒ PDP	Standard and PDP requirements apply, including PDP SWQMP. **Go to Step 3 on the following page.**
	☐ Exception to PDP definitions	Standard Project requirements apply, and any additional requirements specific to the type of project. Provide discussion and list any additional requirements below. Prepare Standard Project SWQMP. **STOP.**
Discussion / justification, and additional requirements for exceptions to PDP definitions, if applicable:		

Form I-1 Page 2		
Step 3 (PDPs only). Please answer the list of questions in this section to determine if hydromodification requirements reply to the proposed PDP. Does the project:		
Step 3a. Discharge storm water runoff directly to the Pacific Ocean?	☐ Yes	**STOP**. Hydromodification requirements do not apply.
	☒ No	Continue to Step 3b.
Step 3b. Discharge storm water runoff directly to an enclosed embayment, not within protected areas?	☐ Yes	**STOP**. Hydromodification requirements do not apply.
	☒ No	Continue to Step 3c.
Step 3c. Discharge storm water runoff directly to a water storage reservoir or lake, below spillway or normal operating level?	☐ Yes	**STOP**. Hydromodification requirements do not apply.
	☒ No	Continue to Step 3d.
Step 3d. Discharge storm water runoff directly to an area identified in WMAA?	☐ Yes	**STOP**. Hydromodification requirements do not apply.
	☒ No	Hydromodification requirements apply to the project. Go to Step 4.
Discussion / justification if hydromodification control requirements do <u>not</u> apply:		
Step 4 (PDPs subject to hydromodification control requirements only). Does protection of critical coarse sediment yield areas apply based on review of WMAA Potential Critical Coarse Sediment Yield Area Map? See Section 6.2 of the BMP Design Manual for guidance.	☐ Yes	Management measures required for protection of critical coarse sediment yield areas (Chapter 6.2). Stop.
	☐ No	Management measures not required for protection of critical coarse sediment yield areas. Provide brief discussion below. Stop.

GREEN STREET EXEMPTION REQUIREMENT

SYMBOL	ITEM	QUANTITY (SF)	QUANTITY (AC)	DESCRIPTION
	LIMITS OFWORK	38,728	0.8891	TOTAL DISTURBED AREA
	UNTREATED AREA	5615	0.1289	IMPERVIOUS AREAS NOT TREATED BY GREEN STREET FEATURES
	GREEN STREET TREATED AREA	45279	1.0395	IMPERVIOUS AREAS TREATED BY GREEN STREET FEATURES STREET TREES
	TREATED AREA OUTSIDE LIMITS OF WORK	6320	0.1451	SWAPPED AREA TO BE TREATED NOT WITHIN DISTURBED AREA
RATIO OF TREATED AREA TO TOTAL DISTURBED AREA = 90%				



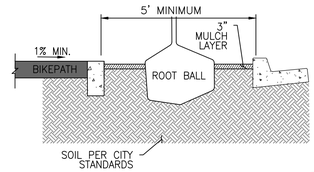
GREEN STREET CONSTRUCTION

1. LANDSCAPE AREA WITH STREET TREES PER DETAIL A & B
2. CURB OPENING WITH ENERGY DISSIPATOR PER DETAIL C

LEGEND

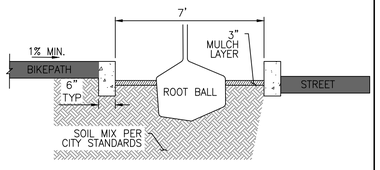
TRIBUTARY AREA

LIMIT OF GRADING



STREET TREE (GRAND AVE) A

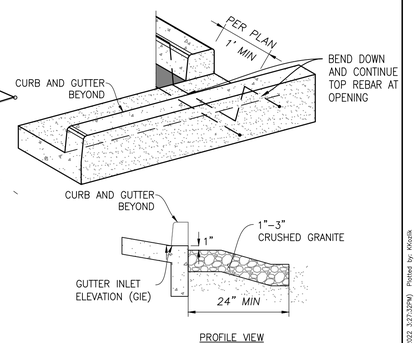
NTS



SEE DETAIL E ON SHEET 3 FOR PLAN VIEW

TREE WELL (LINDA VISTA DR) B

NTS



PROFILE VIEW

CURB OPENING (LINDA VISTA DR) C

NOT TO SCALE

50' 0' 25' 50' 100'

SCALE: 1" = 50'

MARCOS PROJECT

GREEN STREET EXHIBIT

FUSCOE ENGINEERING
6390 Greenwich Dr., Suite 170
San Diego, California 92122
tel 858.554.1500 ◦ fax 858.597.0335
www.fuscoe.com

JOB NO. 1960-001

DRAWN BY: JS

SHEET 1 of 1

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ATTACHMENT 2
BACKUP FOR PDP HYDROMODIFICATION CONTROL MEASURES

This is the cover sheet for Attachment 2.

☐ Mark this box if this attachment is empty because the project is exempt from PDP hydromodification management requirements.

Indicate which Items are Included behind this cover sheet:

Attachment Sequence	**Contents**	**Checklist**
Attachment 2a	Hydromodification Management Exhibit (Required)	☐ Included See Hydromodification Management Exhibit Checklist on the back of this Attachment cover sheet.
Attachment 2b	Management of Critical Coarse Sediment Yield Areas (WMAA Exhibit is required, additional analyses are optional) See Section 6.2 of the BMP Design Manual.	☐ Exhibit showing project drainage boundaries marked on WMAA Critical Coarse Sediment Yield Area Map (Required) Optional analyses for Critical Coarse Sediment Yield Area Determination ☐ 6.2.1 Verification of Geomorphic Landscape Units Onsite ☐ 6.2.2 Downstream Systems Sensitivity to Coarse Sediment ☐ 6.2.3 Optional Additional Analysis of Potential Critical Coarse Sediment Yield Areas Onsite
Attachment 2c	Geomorphic Assessment of Receiving Channels (Optional) See Section 6.3.4 of the BMP Design Manual.	☐ Not performed ☐ Included ☐ Submitted as separate stand-alone document
Attachment 2d	Flow Control Facility Design, including Structural BMP Drawdown Calculations and Overflow Design Summary (Required) See Chapter 6 and Appendix G of the BMP Design Manual	☐ Included ☐ Submitted as separate stand-alone document
Attachment 2e	Vector Control Plan (Required when structural BMPs will not drain in 96 hours)	☐ Included ☐ Not required because BMPs will drain in less than 96 hours

Use this checklist to ensure the required information has been included on the Hydromodification Management Exhibit:

The Hydromodification Management Exhibit must identify:

- ☐ Underlying hydrologic soil group
- ☐ Approximate depth to groundwater
- ☐ Existing natural hydrologic features (watercourses, seeps, springs, wetlands)
- ☐ Critical coarse sediment yield areas to be protected
- ☐ Existing topography
- ☐ Existing and proposed site drainage network and connections to drainage offsite
- ☐ Proposed grading
- ☐ Proposed impervious features
- ☐ Proposed design features and surface treatments used to minimize imperviousness
- ☐ Point(s) of Compliance (POC) for Hydromodification Management
- ☐ Existing and proposed drainage boundary and drainage area to each POC (when necessary, create separate exhibits for pre-development and post-project conditions)
- ☐ Structural BMPs for hydromodification management (identify location, type of BMP, and size/detail)

MARCOS

HYDROMODIFICATION EXHIBIT
EXISTING CONDITIONS

FUSCOE ENGINEERING
6390 Greenwich Dr., Suite 170
San Diego, California 92122
tel 858.554.1500 ◦ fax 858.597.0335
www.fuscoe.com

JOB NO. 1960-001
DRAWN BY: KW
SHEET 1 of 1

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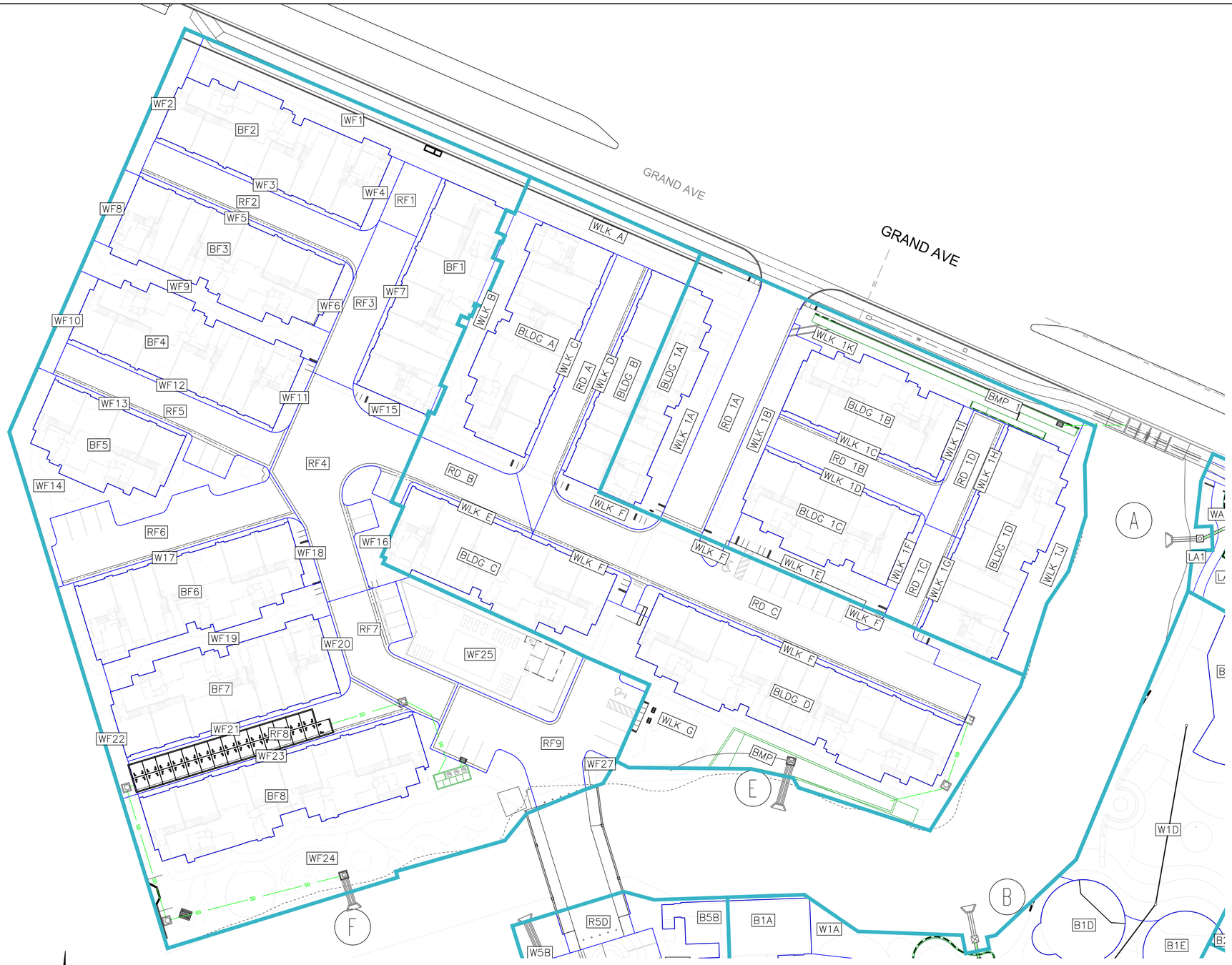

LEGEND

- (A) POINT OF COMPLIANCE
- A1 SUBCATCHMENT ID
- DMA LIMITS
- SUBCATCHMENT LIMITS

SCALE: 1" = 30'

DATUM NOTE

ELEVATIONS SHOWN HEREON ARE PER NGVD 29 DATUM. CONVERSION TO NAVD 88 DATUM IS +2.31 FT.

MARCOS

HYDROMODIFICATION EXHIBIT
PROPOSED CONDITIONS

FUSCOE ENGINEERING
6390 Greenwich Dr., Suite 170
San Diego, California 92122
tel 858.554.1500 ◦ fax 858.597.0335
www.fuscoe.com

JOB NO. 1960-001

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SHEET 1 of 1

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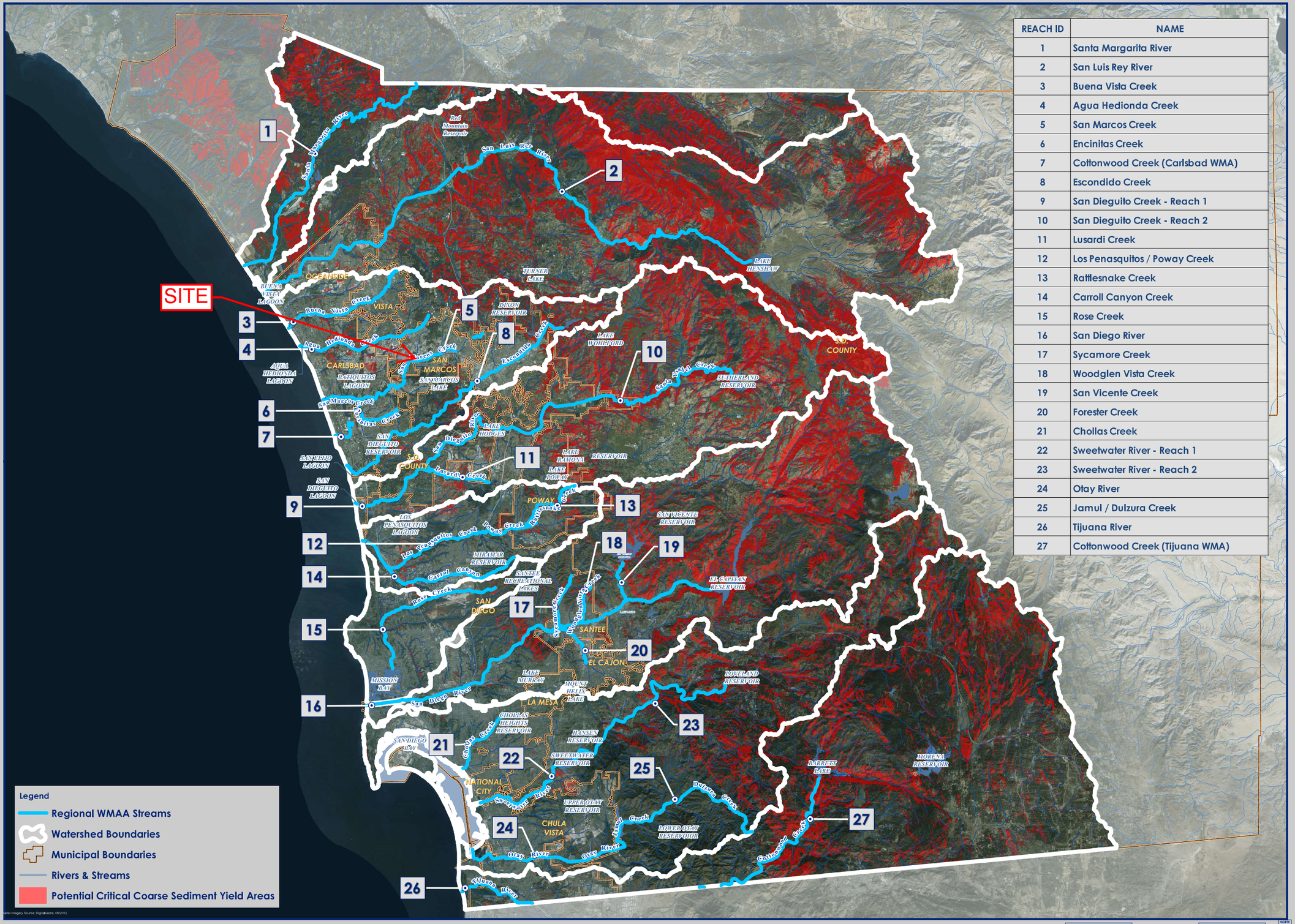


REACH ID	NAME
1	Santa Margarita River
2	San Luis Rey River
3	Buena Vista Creek
4	Agua Hedionda Creek
5	San Marcos Creek
6	Encinitas Creek
7	Cottonwood Creek (Carlsbad WMA)
8	Escondido Creek
9	San Dieguito Creek - Reach 1
10	San Dieguito Creek - Reach 2
11	Lusardi Creek
12	Los Penasquitos / Poway Creek
13	Rattlesnake Creek
14	Carroll Canyon Creek
15	Rose Creek
16	San Diego River
17	Sycamore Creek
18	Woodglen Vista Creek
19	San Vicente Creek
20	Forester Creek
21	Chollas Creek
22	Sweetwater River - Reach 1
23	Sweetwater River - Reach 2
24	Otay River
25	Jamul / Dulzura Creek
26	Tijuana River
27	Cottonwood Creek (Tijuana WMA)

Potential Critical Coarse Sediment Yield Areas

Regional San Diego County Watersheds

Exhibit Date: Sept. 8, 2014

Geosyntec consultants

RICK ENGINEERING COMPANY

Soil	N-Imperv	N-Perv	D store-Imperv	D store-Perv	Zero-Imper	Suction Head	Conductivity (Compacted)
A	0.012	0.15	0.05	0.1	25%	1.5	0.23
B	0.012	0.15	0.05	0.1	25%	3	0.15
C	0.012	0.15	0.05	0.1	25%	6	0.08
D	0.012	0.15	0.05	0.1	25%	9	0.019

Existing Conditions

Subcatchment ID	Soil		Area			Outfall	Width (ft)	Average Slope	Impervious %	Suction Head*	Conductivity (Compacted)*	Initial Deficit*
	Type	%	SF	AC	Total (AC)							
E1	A	0%	-	0.00	1.95	POC E	220	1.0%	0%	6.36	0.07	0.31
	B	0%	-	0.00								
	C	88%	74,581	1.71								
	D	12%	10,243	0.24								
Total					1.95	0.0195						

**Weighted factor*

Proposed Conditions for DMA 1

Subcatchment ID	Soil		Area			Outfall	Width (ft)	Average Slope	Impervious %	Suction Head*	Conductivity (Compacted)*	Initial Deficit*
	Type	%	SF	AC	Total (AC)							
WLK 1A	A	0%	-	0.00	0.07122	RD 1A	20	0.5%	42%	6.00	0.08	0.31
	B	0%	-	0.00								
	C	100%	3,102	0.07								
	D	0%	-	0.00								
WLK 1B	A	0%	-	0.00	0.04452	WLK 1K	15	0.5%	35%	6.00	0.08	0.31
	B	0%	-	0.00								
	C	100%	1,939	0.04								
	D	0%	-	0.00								
WLK 1C	A	0%	-	0.00	0.00655	RD 1D	3	0.5%	83%	6.00	0.08	0.31
	B	0%	-	0.00								
	C	100%	285	0.01								
	D	0%	-	0.00								
WLK 1D	A	0%	-	0.00	0.00655	RD 1D	3	0.5%	85%	6.00	0.08	0.31
	B	0%	-	0.00								
	C	100%	285	0.01								
	D	0%	-	0.00								
WLK 1E	A	0%	-	0.00	0.04	RD 1C	15	0.5%	61%	6.00	0.08	0.31
	B	0%	-	0.00								
	C	100%	1,639	0.04								
	D	0%	-	0.00								
WLK 1F	A	0%	-	0.00	0.00619	RD 1D	5	0.5%	0%	6.00	0.08	0.31
	B	0%	-	0.00								
	C	100%	270	0.01								
	D	0%	-	0.00								
WLK 1G	A	0%	-	0.00	0.00389	RD 1D	3	0.5%	81%	6.00	0.08	0.31
	B	0%	-	0.00								
	C	100%	169	0.00								
	D	0%	-	0.00								
WLK 1H	A	0%	-	0.00	0.00482	BMP 1	3	0.5%	82%	6.00	0.08	0.31
	B	0%	-	0.00								
	C	100%	210	0.00								
	D	0%	-	0.00								
WLK 1I	A	0%	-	0.00	0.00619	WLK 1K	5	0.5%	0%	6.00	0.08	0.31
	B	0%	-	0.00								
	C	100%	270	0.01								
	D	0%	-	0.00								
WLK 1J	A	0%	-	0.00	0.05	BMP 1	15	0.5%	48%	6.07	0.07	0.31
	B	0%	-	0.00								
	C	98%	2,298	0.05								
	D	2%	58	0.00								
WLK K	A	0%	-	0.00	0.06	BMP 1	5	0.5%	53%	6.27	0.07	0.31
	B	0%	-	0.00								
	C	91%	2,419	0.06								
	D	9%	243	0.01								
RD 1A	A	0%	-	0.00	0.09	BMP 1	26	0.7%	100%	6.00	0.08	0.31
	B	0%	-	0.00								
	C	100%	3,958	0.09								
	D	0%	-	0.00								
RD 1B	A	0%	-	0.00	0.05	RD 1D	20	0.5%	100%	6.00	0.08	0.31
	B	0%	-	0.00								
	C	100%	2,078	0.05								
	D	0%	-	0.00								
RD 1C	A	0%	-	0.00	0.03	RD 1D	20	0.5%	100%	6.00	0.08	0.31
	B	0%	-	0.00								
	C	100%	1,173	0.03								

	D	0%	-	0.00								
RD 1D	A	0%	-	0.00	0.03	BMP 1	20	0.5%	100%	6.00	0.08	0.31
	B	0%	-	0.00								
	C	100%	1,451	0.03								
	D	0%	-	0.00								
BLDG 1A	A	0%	-	0.00	0.07	RD 1A	22	0.5%	100%	6.00	0.08	0.31
	B	0%	-	0.00								
	C	100%	2,948	0.07								
	D	0%	-	0.00								
BLDG 1B	A	0%	-	0.00	0.10	RD 1B	42	0.5%	100%	6.00	0.08	0.31
	B	0%	-	0.00								
	C	100%	4,330	0.10								
	D	0%	-	0.00								
BLDG 1C	A	0%	-	0.00	0.10	RD 1B	42	0.5%	100%	6.00	0.08	0.31
	B	0%	-	0.00								
	C	100%	4,330	0.10								
	D	0%		0.00								
BLDG 1D	A	0%	-	0.00	0.14	RD 1D	42	0.5%	100%	6.40	0.07	0.31
	B	0%	-	0.00								
	C	87%	5,109	0.12								
	D	13%	777	0.02								
BMP 1	A	0%	-	0.00	0.02043	POC E	5	0.5%	0%	6.21	0.07	0.31
	B	0%	-	0.00								
	C	93%	829	0.02								
	D	7%	61	0.00								
Total w/o BMP					0.90	0.0090						
Total BMP					0.02							
Total w/ BMP					0.92							

**Weighted factor*

Proposed Conditions for DMA 2

Subcatchment ID	Soil		Area			Outfall	Width (ft)	Average Slope	Impervious %	Suction Head*	Conductivity (Compacted)*	Initial Deficit*
	Type	%	SF	AC	Total (AC)							
WLK A	A	0%	-	0.00	0.05229	RD A	20	0.5%	40%	6.00	0.08	0.31
	B	0%	-	0.00								
	C	100%	2,278	0.05								
	D	0%	-	0.00								
WLK B	A	0%	-	0.00	0.06766	RD B	15	0.5%	52%	6.00	0.08	0.31
	B	0%	-	0.00								
	C	100%	2,947	0.07								
	D	0%	-	0.00								
WLK C	A	0%	-	0.00	0.00856	RD A	3	0.5%	82%	6.00	0.08	0.31
	B	0%	-	0.00								
	C	100%	373	0.01								
	D	0%	-	0.00								
WLK D	A	0%	-	0.00	0.00855	RD A	3	0.5%	82%	6.00	0.08	0.31
	B	0%	-	0.00								
	C	100%	373	0.01								
	D	0%	-	0.00								
WLK E	A	0%	-	0.00	0.00571	RD B	3	0.5%	77%	6.00	0.08	0.31
	B	0%	-	0.00								
	C	100%	249	0.01								
	D	0%	-	0.00								
WLK F	A	0%	-	0.00	0.04785	RD C	5	0.5%	62%	6.16	0.07	0.31
	B	0%	-	0.00								
	C	95%	1,973	0.05								
	D	5%	112	0.00								
WLK G	A	0%	-	0.00	0.19	BMP	30	0.5%	28%	7.02	0.06	0.31
	B	0%	-	0.00								
	C	66%	5,491	0.13								
	D	34%	2,839	0.07								
RD A	A	0%	-	0.00	0.07	RD C	20	0.5%	100%	6.00	0.08	0.31
	B	0%	-	0.00								
	C	100%	3,160	0.07								
	D	0%	-	0.00								
RD B	A	0%	-	0.00	0.05	RD C	21	1.0%	100%	6.00	0.08	0.31
	B	0%	-	0.00								
	C	100%	2,000	0.05								
	D	0%	-	0.00								
RD C	A	0%	-	0.00	0.21	BMP	26	0.5%	100%	6.24	0.07	0.31
	B	0%	-	0.00								
	C	92%	8,474	0.19								
	D	8%	737	0.02								
BLDG A	A	0%	-	0.00	0.14	RD A	44	0.5%	100%	6.00	0.08	0.31
	B	0%	-	0.00								
	C	100%	5,886	0.14								

	D	0%	-	0.00								
BLDG B	A	0%	-	0.00	0.07	RD A	22	0.5%	100%	6.00	0.08	0.31
	B	0%	-	0.00								
	C	100%	2,923	0.07								
	D	0%	-	0.00								
BLDG C	A	0%	-	0.00	0.14	RD C	44	0.5%	100%	6.00	0.08	0.31
	B	0%	-	0.00								
	C	100%	5,886	0.14								
	D	0%		0.00								
BLDG D	A	0%	-	0.00	0.20	RD C	44	0.5%	100%	6.79	0.06	0.31
	B	0%	-	0.00								
	C	74%	6,345	0.15								
	D	26%	2,273	0.05								
BMP	A	0%	-	0.00	0.03001	POC E	12	0.5%	0%	7.75	0.04	0.30
	B	0%	-	0.00								
	C	42%	544	0.01								
	D	58%	763	0.02								

Total w/o BMP	1.25	0.0125
Total BMP	0.03	
Total w/ BMP	1.28	

**Weighted factor*

Outflow Threshold 0.0220

Water Quality
HydroMod

BMP	Area	Depth of Stored Water, D	Diameter of Orifice, d		Area of Orifice, Ao	Average Discharge Rate, Q_{avg}	Volume of Stored Water, V	Time Req'd to Drain Stored Water, T	Drain Coefficient, C	Divider Cutoff Flow	Riser Orifice, d		
	sf	ft	in	ft	sf	cfs	cf	hr	in/hr	cfs	in	ft	offset (ft)
1	930	1.00	1	0.083	0.00545	0.01856036	2799.3	41.89	0.1654	0.0455	1	0.083	0.50
2	1300	1.00	1	0.083	0.00545	0.01856036	3913	58.56	0.1183	0.0455	1	0.083	0.50

HYDROMODIFICATION MODELING RESEARCH PROJECT
ARTIST VILLAGE POC E

THIS POC	PASSES
Time Steps >= 110%	0
Time Steps >= 100%	0
Max % =	98%

Record Period = 45 Years = 16425 days = 394200 hours
% time Flow Exceeded = 100*m/(394200+1)

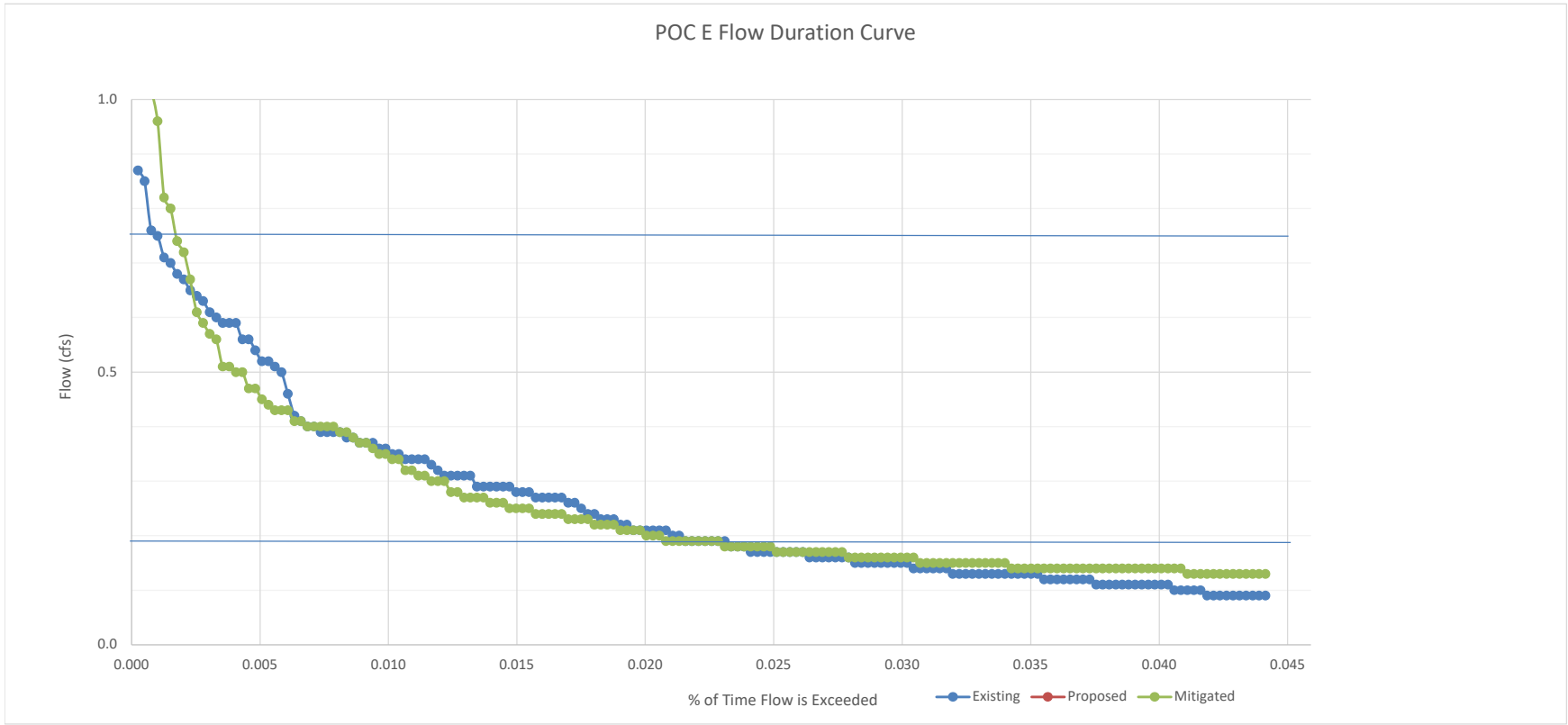
Rank (m)	Return Interval (yrs)	Peak Flow (cfs)			% Time Flow Exceeded	Hourly Flow Data (cfs) (Duration Calc)			Percentage	PASS/FAIL
		Exist. Cond.	Prop. Cond.	Prop. w/BMP		Exist. Cond.	Prop. Cond.	Prop. w/BMP		
1	45.00	0.869		1.166	0.0003	0.87		1.16	134%	FAIL
2	22.50	0.850		1.026	0.0005	0.85		1.07	121%	FAIL
3	15.00	0.757		0.754	0.0008	0.76		1.02	100%	PASS
4	11.25	0.751		0.735	0.0010	0.75		0.96	98%	PASS
5	9.00	0.707		0.676	0.0013	0.71		0.82	96%	PASS
6	7.50	0.650		0.616	0.0015	0.7		0.8	95%	PASS
7	6.43	0.644		0.564	0.0018	0.68		0.74	88%	PASS
8	5.63	0.589		0.544	0.0020	0.67		0.72	92%	PASS
9	5.00	0.586		0.509	0.0023	0.65		0.67	87%	PASS
10	4.50	0.585		0.5	0.0025	0.64		0.61	85%	PASS
11	4.09	0.558		0.464	0.0028	0.63		0.59	83%	PASS
12	3.75	0.537		0.447	0.0030	0.61		0.57	83%	PASS
13	3.46	0.521		0.438	0.0033	0.6		0.56	84%	PASS
14	3.21	0.516		0.427	0.0036	0.59		0.51	83%	PASS
15	3.00	0.509		0.412	0.0038	0.59		0.51	81%	PASS
16	2.81	0.498		0.41	0.0041	0.59		0.5	82%	PASS
17	2.65	0.462		0.39	0.0043	0.56		0.5	84%	PASS
18	2.50	0.399		0.381	0.0046	0.56		0.47	95%	PASS
19	2.37	0.394		0.379	0.0048	0.54		0.47	96%	PASS
20	2.25	0.393		0.351	0.0051	0.52		0.45	89%	PASS
21	2.14	0.390		0.347	0.0053	0.52		0.44	89%	PASS
22	2.05	0.389		0.326	0.0056	0.51		0.43	84%	PASS
23	1.96	0.372		0.307	0.0058	0.5		0.43	83%	PASS
24	1.88	0.370		0.272	0.0061	0.46		0.43	74%	PASS
25	1.80	0.360		0.267	0.0063	0.42		0.41	74%	PASS
26	1.73	0.345		0.266	0.0066	0.41		0.41	77%	PASS
27	1.67	0.344		0.258	0.0068	0.4		0.4	75%	PASS
28	1.61	0.316		0.257	0.0071	0.4		0.4	81%	PASS
29	1.55	0.313		0.255	0.0074	0.39		0.4	81%	PASS
30	1.50	0.309		0.254	0.0076	0.39		0.4	82%	PASS
31	1.36	0.287		0.24	0.0079	0.39		0.4	84%	PASS
32	1.36	0.287		0.222	0.0081	0.39		0.39	77%	PASS
33	1.36	0.287		0.188	0.0084	0.38		0.39	66%	PASS
34	1.32	0.282		0.184	0.0086	0.38		0.38	65%	PASS
35	1.29	0.280		0.159	0.0089	0.37		0.37	57%	PASS
36	1.25	0.268		0.156	0.0091	0.37		0.37	58%	PASS
37	1.22	0.265		0.155	0.0094	0.37		0.36	58%	PASS
38	1.18	0.263		0.147	0.0096	0.36		0.35	56%	PASS
39	1.15	0.234		0.144	0.0099	0.36		0.35	62%	PASS
40	1.13	0.231		0.143	0.0101	0.35		0.34	62%	PASS
41	1.10	0.225		0.141	0.0104	0.35		0.34	63%	PASS
42	1.07	0.223		0.138	0.0107	0.34		0.32	62%	PASS
43	1.05	0.215		0.125	0.0109	0.34		0.32	58%	PASS
44	1.02	0.212		0.111	0.0112	0.34		0.31	52%	PASS
45	1.00	0.209		0.108	0.0114	0.34		0.31	52%	PASS
46	0.98	0.204		0.1	0.0117	0.33		0.3	49%	PASS
47	0.96	0.187		0.1	0.0119	0.32		0.3	53%	PASS
48	0.94	0.186		0.093	0.0122	0.31		0.3	50%	PASS
49	0.92	0.182		0.091	0.0124	0.31		0.28	50%	PASS
50	0.90	0.174		0.089	0.0127	0.31		0.28	51%	PASS
51	0.88	0.172		0.088	0.0129	0.31		0.27	51%	PASS
52	0.87	0.170		0.088	0.0132	0.31		0.27	52%	PASS
53	0.85	0.169		0.087	0.0134	0.29		0.27	51%	PASS
54	0.83	0.163		0.087	0.0137	0.29		0.27	53%	PASS
55	0.82	0.162		0.087	0.0140	0.29		0.26	54%	PASS
56	0.80	0.159		0.086	0.0142	0.29		0.26	54%	PASS

HYDROMODIFICATION MODELING RESEARCH PROJECT
ARTIST VILLAGE POC E

THIS POC	PASSES
Time Steps >= 110%	0
Time Steps >= 100%	0
Max % =	98%

Record Period = 45 Years = 16425 days = 394200 hours
% time Flow Exceeded = 100*m/(394200+1)

Rank (m)	Return Interval (yrs)	Peak Flow (cfs)			% Time Flow Exceeded	Hourly Flow Data (cfs) (Duration Calc)			Percentage	PASS/FAIL
		Exist. Cond.	Prop. Cond.	Prop. w/BMP		Exist. Cond.	Prop. Cond.	Prop. w/BMP		
57	0.79	0.158		0.084	0.0145	0.29		0.26	53%	PASS
58	0.78	0.157		0.084	0.0147	0.29		0.25	54%	PASS
59	0.75	0.155		0.083	0.0150	0.28		0.25	54%	PASS
60	0.75	0.155		0.082	0.0152	0.28		0.25	53%	PASS
61	0.74	0.151		0.081	0.0155	0.28		0.25	54%	PASS
62	0.73	0.150		0.081	0.0157	0.27		0.24	54%	PASS
63	0.71	0.149		0.079	0.0160	0.27		0.24	53%	PASS
64	0.70	0.144		0.078	0.0162	0.27		0.24	54%	PASS
65	0.69	0.142		0.078	0.0165	0.27		0.24	55%	PASS
66	0.68	0.134		0.077	0.0167	0.27		0.24	57%	PASS
67	0.67	0.130		0.077	0.0170	0.26		0.23	59%	PASS
68	0.66	0.128		0.075	0.0173	0.26		0.23	59%	PASS
69	0.65	0.127		0.074	0.0175	0.25		0.23	58%	PASS
70	0.64	0.125		0.074	0.0178	0.24		0.23	59%	PASS
71	0.63	0.125		0.074	0.0180	0.24		0.22	59%	PASS
72	0.63	0.120		0.072	0.0183	0.23		0.22	60%	PASS
73	0.62	0.118		0.072	0.0185	0.23		0.22	61%	PASS
74	0.61	0.115		0.072	0.0188	0.23		0.22	63%	PASS
75	0.60	0.113		0.072	0.0190	0.22		0.21	64%	PASS
76	0.59	0.112		0.071	0.0193	0.22		0.21	63%	PASS
77	0.58	0.107		0.071	0.0195	0.21		0.21	66%	PASS
78	0.58	0.106		0.071	0.0198	0.21		0.21	67%	PASS
79	0.57	0.098		0.069	0.0200	0.21		0.2	70%	PASS
80	0.56	0.090		0.069	0.0203	0.21		0.2	77%	PASS
81	0.54	0.089		0.069	0.0205	0.21		0.2	78%	PASS
82	0.54	0.089		0.068	0.0208	0.21		0.19	76%	PASS
83	0.54	0.089		0.068	0.0211	0.2		0.19	76%	PASS
84	0.54	0.089		0.067	0.0213	0.2		0.19	75%	PASS
85	0.53	0.088		0.066	0.0216	0.19		0.19	75%	PASS
86	0.52	0.088		0.066	0.0218	0.19		0.19	75%	PASS
87	0.52	0.087		0.066	0.0221	0.19		0.19	76%	PASS
88	0.51	0.087		0.066	0.0223	0.19		0.19	76%	PASS
89	0.51	0.084		0.065	0.0226	0.19		0.19	77%	PASS
90	0.50	0.081		0.065	0.0228	0.19		0.19	80%	PASS
91	0.49	0.079		0.065	0.0231	0.19		0.18	82%	PASS
92	0.49	0.076		0.062	0.0233	0.18		0.18	82%	PASS
93	0.48	0.073		0.062	0.0236	0.18		0.18	85%	PASS
94	0.48	0.072		0.061	0.0238	0.18		0.18	85%	PASS
95	0.47	0.069		0.059	0.0241	0.17		0.18	86%	PASS
96	0.47	0.069		0.059	0.0244	0.17		0.18	86%	PASS
97	0.46	0.069		0.059	0.0246	0.17		0.18	86%	PASS
98	0.46	0.067		0.058	0.0249	0.17		0.18	87%	PASS
99	0.45	0.065		0.057	0.0251	0.17		0.17	88%	PASS
100	0.45	0.065		0.057	0.0254	0.17		0.17	88%	PASS
101	0.45	0.064		0.057	0.0256	0.17		0.17	89%	PASS
102	0.44	0.064		0.056	0.0259	0.17		0.17	88%	PASS
103	0.44	0.063		0.056	0.0261	0.17		0.17	89%	PASS
104	0.43	0.062		0.055	0.0264	0.16		0.17	89%	PASS
105	0.43	0.062		0.055	0.0266	0.16		0.17	89%	PASS
106	0.42	0.060		0.055	0.0269	0.16		0.17	92%	PASS
107	0.42	0.056		0.055	0.0271	0.16		0.17	98%	PASS
108	0.42	0.056		0.055	0.0274	0.16		0.17	98%	PASS
109	0.41	0.055		0.054	0.0277	0.16		0.17	98%	PASS
110	0.41	0.054		0.054	0.0279	0.16		0.16	100%	PASS
111	0.41	0.053		0.054	0.0282	0.15		0.16	102%	PASS
112	0.40	0.051		0.053	0.0284	0.15		0.16	104%	PASS


POC E Flow Duration Curve
1.0
0.5
0.0
Flow (cfs)
0.000
0.005
0.010
0.015
0.020
0.025
0.030
0.035
0.040
0.045
% of Time Flow is Exceeded
Existing
Proposed
Mitigated

Soil	N-Imperv	N-Perv	D store-Imperv	D store-Perv	Zero-Imper	Suction Head	Conductivity (Existing)	Conductivity (Compacted)	Initial Deficit	Groundwater
A	0.012	0.15	0.05	0.1	25%	1.5	0.3	0.23	0.33	no
B	0.012	0.15	0.05	0.1	25%	3	0.2	0.15	0.32	no
C	0.012	0.15	0.05	0.1	25%	6	0.1	0.08	0.31	no
D	0.012	0.15	0.05	0.1	25%	9	0.025	0.019	0.30	no

Existing Conditions

Subcatchment ID	Soil		Area			Outfall	Max Length (ft)	Width (ft)	Elevations		Average Slope	Impervious %	Suction Head*	Conductivity (Existing)*	Conductivity (Compacted)*	Initial Deficit*
	Type	%	SF	AC	Total (AC)				Max	Min						
F1 (South)	A	0%	-	0.00	1.38	POC F	340	176	542.50	537.33	1.5%	0%	6.98	0.08	0.06	0.31
	B	0%	-	0.00												
	C	67%	40,449	0.93												
	D	33%	19,513	0.45												
F2 (West)	A	0%	-	0.00	0.18	POC F	142	54	542.03	539.36	1.9%	0%	6.00	0.10	0.08	0.31
	B	0%	-	0.00												
	C	100%	7,728	0.18												
	D	0%	-	0.00												
F3 (North)	A	0%	-	0.00	1.38	POC F	440	137	542.71	538.00	1.1%	0%	6.00	0.10	0.08	0.31
	B	0%	-	0.00												
	C	100%	60,276	1.38												
	D	0%	-	0.00												
Total					2.94											

**Weighted factor*

Proposed Conditions F

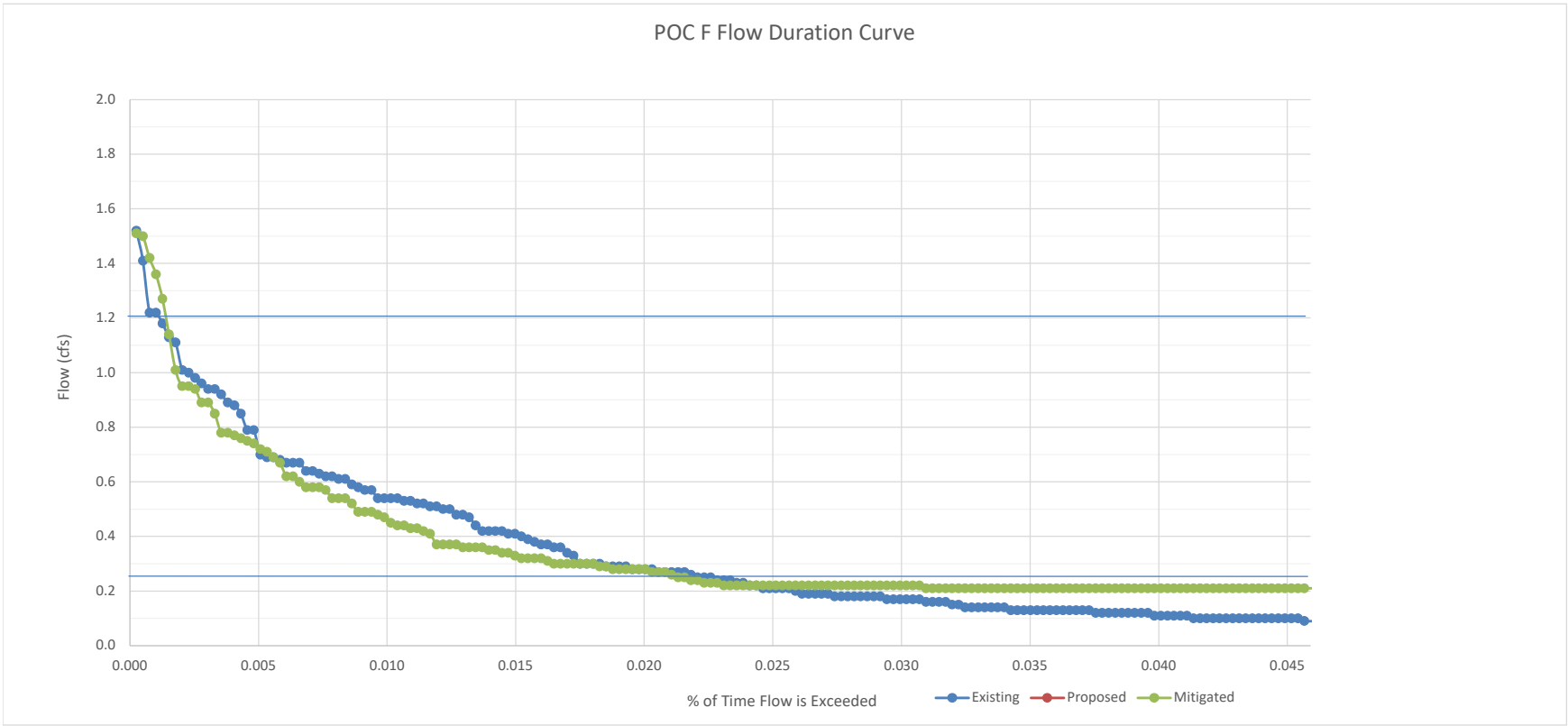
Subcatchment ID	Outfall	Soil		Area			Width (ft)	Average Slope	Impervious %	Suction Head*	Conductivity (Compacted)*	Initial Deficit*
		Type	%	SF	AC	Total (AC)						
BF1	RF3	A	0%	-	0.00	0.13513	45	0.5%	100%	6.00	0.08	0.31
		B	0%	-	0.00							
		C	100%	5,886	0.14							
		D	0%	-	0.00							
BF2	RF2	A	0%	-	0.00	0.13513	45	0.5%	100%	6.00	0.08	0.31
		B	0%	-	0.00							
		C	100%	5,886	0.14							
		D	0%	-	0.00							
BF3	RF2	A	0%	-	0.00	0.13513	45	0.5%	100%	6.00	0.08	0.31
		B	0%	-	0.00							
		C	100%	5,886	0.14							
		D	0%	-	0.00							
BF4	RF5	A	0%	-	0.00	0.13513	45	0.5%	100%	6.00	0.08	0.31
		B	0%	-	0.00							
		C	100%	5,886	0.14							
		D	0%	-	0.00							
BF5	RF5	A	0%	-	0.00	0.08400	45	0.5%	100%	6.00	0.08	0.31
		B	0%	-	0.00							
		C	100%	3,659	0.08							
		D	0%	-	0.00							
BF6	RF6	A	0%	-	0.00	0.13513	45	0.5%	100%	6.00	0.08	0.31
		B	0%	-	0.00							
		C	100%	5,886	0.14							
		D	0%	-	0.00							
BF7	RF8	A	0%	-	0.00	0.13513	45	0.5%	100%	6.69	0.06	0.31
		B	0%	-	0.00							
		C	77%	4,529	0.10							
		D	23%	1,357	0.03							
BF8	RF8	A	0%	-	0.00	0.15713	35	0.5%	100%	8.87	0.02	0.30
		B	0%	-	0.00							
		C	4%	304	0.01							
		D	96%	6,541	0.15							
RF1	RF3	A	0%	-	0.00	0.02068	24	1.0%	100%	6.00	0.08	0.31
		B	0%	-	0.00							
		C	100%	901	0.02							
		D	0%	-	0.00							
RF2	RF3	A	0%	-	0.00	0.06501	20	0.5%	100%	6.00	0.08	0.31
		B	0%	-	0.00							
		C	100%	2,832	0.07							
		D	0%	-	0.00							
RF3	RF4	A	0%	-	0.00	0.05366	24	0.7%	100%	6.00	0.08	0.31
		B	0%	-	0.00							
		C	100%	2,337	0.05							
		D	0%	-	0.00							
RF4	RF7	A	0%	-	0.00	0.13186	24	0.9%	100%	6.00	0.08	0.31
		B	0%	-	0.00							
		C	100%	5,744	0.13							
		D	0%	-	0.00							
RF5	RF4	A	0%	-	0.00	0.07444	20	0.5%	100%	6.00	0.08	0.31
		B	0%	-	0.00							
		C	100%	3,243	0.07							
		D	0%	-	0.00							
RF6	RF4	A	0%	-	0.00	0.09546	24	0.5%	100%	6.00	0.08	0.31
		B	0%	-	0.00							
		C	100%	4,158	0.10							
		D	0%	-	0.00							
RF7	MWS	A	0%	-	0.00	0.06802	24	0.7%	100%	6.00	0.08	0.31
		B	0%	-	0.00							
		C	100%	2,963	0.07							
		D	0%	-	0.00							
RF8	MWS	A	0%	-	0.00	0.07408	20	0.5%	100%	7.87	0.04	0.30
		B	0%	-	0.00							
		C	38%	1,213	0.03							
		D	62%	2,014	0.05							
RF9	MWS	A	0%	-	0.00	0.11930	24	1.0%	100%	6.67	0.06	0.31
		B	0%	-	0.00							
		C	78%	4,030	0.09							
		D	22%	1,167	0.03							
WF1	RF1	A	0%	-	0.00	0.09812	20	0.5%	47%	6.00	0.08	0.31
		B	0%	-	0.00							
		C	100%	4,274	0.10							
		D	0%	-	0.00							

WF2	RF2	A	0%	-	0.00	0.02214	10	0.5%	4%	6.00	0.08	0.31
		B	0%	-	0.00							
		C	100%	964	0.02							
		D	0%	-	0.00							
WF3	RF2	A	0%	-	0.00	0.00868	3	0.5%	81%	6.00	0.08	0.31
		B	0%	-	0.00							
		C	100%	378	0.01							
		D	0%	-	0.00							
WF4	RF1	A	0%	-	0.00	0.00840	8	0.5%	22%	6.00	0.08	0.31
		B	0%	-	0.00							
		C	100%	366	0.01							
		D	0%	-	0.00							
WF5	RF2	A	0%	-	0.00	0.00869	3	0.5%	82%	6.00	0.08	0.31
		B	0%	-	0.00							
		C	100%	379	0.01							
		D	0%	-	0.00							
WF6	RF3	A	0%	-	0.00	0.00771	8	0.5%	0%	6.00	0.08	0.31
		B	0%	-	0.00							
		C	100%	336	0.01							
		D	0%	-	0.00							
WF7	RF3	A	0%	-	0.00	0.00867	3	0.5%	81%	6.00	0.08	0.31
		B	0%	-	0.00							
		C	100%	377	0.01							
		D	0%	-	0.00							
WF8	WF9	A	0%	-	0.00	0.01041	10	0.5%	13%	6.00	0.08	0.31
		B	0%	-	0.00							
		C	100%	454	0.01							
		D	0%	-	0.00							
WF9	RF3	A	0%	-	0.00	0.04790	10	0.5%	46%	6.00	0.08	0.31
		B	0%	-	0.00							
		C	100%	2,087	0.05							
		D	0%	-	0.00							
WF10	RF5	A	0%	-	0.00	0.01460	10	0.5%	0%	6.00	0.08	0.31
		B	0%	-	0.00							
		C	100%	636	0.01							
		D	0%	-	0.00							
WF11	RF4	A	0%	-	0.00	0.00840	6	0.5%	25%	6.00	0.08	0.31
		B	0%	-	0.00							
		C	100%	366	0.01							
		D	0%	-	0.00							
WF12	RF5	A	0%	-	0.00	0.00868	3	0.5%	80%	6.00	0.08	0.31
		B	0%	-	0.00							
		C	100%	378	0.01							
		D	0%	-	0.00							
WF13	RF5	A	0%	-	0.00	0.00557	3	0.5%	82%	6.00	0.08	0.31
		B	0%	-	0.00							
		C	100%	243	0.01							
		D	0%	-	0.00							
WF14	RF6	A	0%	-	0.00	0.08006	10	0.5%	46%	6.00	0.08	0.31
		B	0%	-	0.00							
		C	100%	3,487	0.08							
		D	0%	-	0.00							
WF15	RF4	A	0%	-	0.00	0.01310	8	0.5%	71%	6.00	0.08	0.31
		B	0%	-	0.00							
		C	100%	571	0.01							
		D	0%	-	0.00							
WF16	RF4	A	0%	-	0.00	0.02754	8	0.5%	19%	6.00	0.08	0.31
		B	0%	-	0.00							
		C	100%	1,200	0.03							
		D	0%	-	0.00							
WF17	RF6	A	0%	-	0.00	0.00868	3	0.5%	81%	6.00	0.08	0.31
		B	0%	-	0.00							
		C	100%	378	0.01							
		D	0%	-	0.00							
WF18	RF4	A	0%	-	0.00	0.00757	6	0.5%	64%	6.00	0.08	0.31
		B	0%	-	0.00							
		C	100%	330	0.01							
		D	0%	-	0.00							
WF19	RF7	A	0%	-	0.00	0.04382	10	0.5%	48%	6.00	0.07	0.31
		B	0%	-	0.00							
		C	100%	1,907	0.04							
		D	0%	1	0.00							
WF20	RF7	A	0%	-	0.00	0.00817	6	0.5%	0%	6.00	0.08	0.31
		B	0%	-	0.00							
		C	100%	356	0.01							
		D	0%	-	0.00							
WF21	RF8	A	0%	-	0.00	0.00867	3	0.5%	82%	7.70	0.04	0.30
		B	0%	-	0.00							
		C	43%	163	0.00							
		D	57%	215	0.00							
WF22	RF8	A	0%	-	0.00	0.03105	10	0.5%	8%	7.55	0.05	0.30
		B	0%	-	0.00							
		C	48%	656	0.02							
		D	52%	697	0.02							
WF23	RF8	A	0%	-	0.00	0.01112	3	0.5%	83%	8.27	0.03	0.30
		B	0%	-	0.00							
		C	24%	119	0.00							
		D	76%	366	0.01							
WF24	MWS	A	0%	-	0.00	0.26475	40	0.5%	19%	8.95	0.02	0.30
		B	0%	-	0.00							
		C	2%	175	0.00							
		D	98%	11,358	0.26							
WF25	MWS	A	0%	-	0.00	0.11122	45	0.5%	61%	6.00	0.08	0.31
		B	0%	-	0.00							
		C	100%	4,845	0.11							
		D	0%	-	0.00							
WF26	RF9	A	0%	-	0.00	0.00200	5	0.5%	0%	6.00	0.08	0.31
		B	0%	-	0.00							
		C	100%	87	0.00							
		D	0%	-	0.00							

WF27	RF9	A	0%	-	0.00	0.00658	10	0.5%	78%	8.14	0.03	0.30
		B	0%	-	0.00							
		C	29%	82	0.00							
		D	71%	204	0.00							
Total						2.64	0.0264					

**Weighted factor*

BMP	# Units	Max Height per Unit	Area	Depth of Stored Water, D	Diameter of Orifice, d		Area of Orifice, Ao	Average Discharge Rate, Q_{avg}	Volume of Stored Water, V	Time Req'd to Drain Stored Water, T	Riser Orifice		
	ea	ft	sf	ft	in	ft	sf	cfs	cf	hr	in	ft	offset (ft)
3	29	4	1740	3.50	2.5	0.208	0.03407	0.2170203	4263	5.46	12.00	1.00	2.00


POC F Flow Duration Curve
Flow (cfs)
2.0
1.8
1.6
1.4
1.2
1.0
0.8
0.6
0.4
0.2
0.0
0.000
0.005
0.010
0.015
0.020
0.025
0.030
0.035
0.040
0.045
% of Time Flow is Exceeded
Existing
Proposed
Mitigated

HYDROMODIFICATION MODELING RESEARCH PROJECT
ARTIST VILLAGE POC F

THIS POC	PASSES
Time Steps > 110%	0
Time Steps = 110%	0
Max % =	81%

Record Period = 45 Years = 16,425 days = 394,200 hours
% time Flow Exceeded = 100*m/(394200+1)

Rank (m)	Return Interval (yrs)	Peak Flow (cfs)			% Time Flow Exceeded	Hourly Flow Data (cfs) (Duration Calc)			Percentage	PASS/FAIL
		Exist. Cond.	Prop. Cond.	Prop. w/BMP		Exist. Cond.	Prop. Cond.	Prop. w/BMP		
1	45.00	1.521	2.158	1.505	0.0003	1.52		1.51	99%	PASS
2	22.50	1.412	1.982	1.501	0.0005	1.41		1.5	106%	PASS
3	15.00	1.224	1.944	1.009	0.0008	1.22		1.42	82%	PASS
4	11.25	1.218	1.920	0.937	0.0010	1.22		1.36	77%	PASS
5	9.00	1.179	1.798	0.892	0.0013	1.18		1.27	76%	PASS
6	7.50	1.005	1.760	0.775	0.0015	1.13		1.14	77%	PASS
7	6.43	0.939	1.680	0.765	0.0018	1.11		1.01	81%	PASS
8	5.63	0.918	1.677	0.723	0.0020	1.01		0.95	79%	PASS
9	5.00	0.891	1.610	0.486	0.0023	1		0.95	55%	PASS
10	4.50	0.884	1.572	0.364	0.0025	0.98		0.94	41%	PASS
11	4.09	0.853	1.537	0.341	0.0028	0.96		0.89	40%	PASS
12	3.75	0.794	1.536	0.304	0.0030	0.94		0.89	38%	PASS
13	3.46	0.788	1.529	0.294	0.0033	0.94		0.85	37%	PASS
14	3.21	0.693	1.520	0.218	0.0036	0.92		0.78	31%	PASS
15	3.00	0.685	1.456	0.217	0.0038	0.89		0.78	32%	PASS
16	2.81	0.670	1.442	0.216	0.0041	0.88		0.77	32%	PASS
17	2.50	0.669	1.425	0.214	0.0043	0.85		0.76	32%	PASS
18	2.50	0.644	1.417	0.213	0.0046	0.79		0.75	33%	PASS
19	2.37	0.627	1.386	0.211	0.0048	0.79		0.74	34%	PASS
20	2.25	0.614	1.281	0.209	0.0051	0.7		0.72	34%	PASS
21	2.14	0.587	1.274	0.209	0.0053	0.69		0.71	36%	PASS
22	2.05	0.580	1.271	0.204	0.0056	0.69		0.69	35%	PASS
23	1.96	0.543	1.261	0.202	0.0058	0.68		0.67	37%	PASS
24	1.80	0.543	1.260	0.2	0.0061	0.67		0.62	37%	PASS
25	1.80	0.539	1.244	0.196	0.0063	0.67		0.62	36%	PASS
26	1.73	0.526	1.216	0.194	0.0066	0.67		0.6	37%	PASS
27	1.67	0.524	1.199	0.189	0.0068	0.64		0.58	36%	PASS
28	1.61	0.518	1.191	0.187	0.0071	0.64		0.58	36%	PASS
29	1.55	0.497	1.185	0.186	0.0074	0.63		0.58	37%	PASS
30	1.50	0.481	1.162	0.186	0.0076	0.62		0.57	39%	PASS
31	1.45	0.476	1.162	0.185	0.0079	0.62		0.54	39%	PASS
32	1.41	0.438	1.159	0.185	0.0081	0.61		0.54	42%	PASS
33	1.36	0.424	1.157	0.184	0.0084	0.61		0.54	43%	PASS
34	1.32	0.409	1.107	0.184	0.0086	0.59		0.52	45%	PASS
35	1.29	0.393	1.090	0.183	0.0089	0.58		0.49	47%	PASS
36	1.25	0.371	1.084	0.182	0.0091	0.57		0.49	49%	PASS
37	1.22	0.340	1.048	0.177	0.0094	0.57		0.49	52%	PASS
38	1.18	0.300	1.045	0.176	0.0096	0.54		0.48	59%	PASS
39	1.15	0.300	1.027	0.176	0.0099	0.54		0.47	59%	PASS
40	1.13	0.299	0.990	0.172	0.0101	0.54		0.45	58%	PASS
41	1.07	0.293	0.982	0.17	0.0104	0.54		0.44	58%	PASS
42	1.07	0.292	0.975	0.169	0.0107	0.53		0.44	58%	PASS
43	1.05	0.275	0.967	0.169	0.0109	0.53		0.43	61%	PASS
44	1.02	0.254	0.966	0.169	0.0112	0.52		0.43	67%	PASS
45	1.00	0.254	0.960	0.168	0.0114	0.52		0.42	66%	PASS
46	0.98	0.228	0.954	0.167	0.0117	0.51		0.41	73%	PASS
47	0.96	0.223	0.933	0.166	0.0119	0.51		0.37	74%	PASS
48	0.94	0.213	0.930	0.166	0.0122	0.5		0.37	78%	PASS
49	0.92	0.208	0.915	0.165	0.0124	0.5		0.37	79%	PASS
50	0.90	0.206	0.909	0.165	0.0127	0.48		0.37	80%	PASS
51	0.88	0.190	0.907	0.162	0.0129	0.48		0.36	85%	PASS
52	0.87	0.179	0.907	0.162	0.0132	0.47		0.36	91%	PASS
53	0.85	0.179	0.901	0.162	0.0134	0.44		0.36	91%	PASS
54	0.83	0.179	0.900	0.162	0.0137	0.42		0.36	91%	PASS
55	0.82	0.178	0.889	0.161	0.0140	0.42		0.35	90%	PASS
56	0.79	0.177	0.888	0.161	0.0142	0.42		0.35	91%	PASS

HYDROMODIFICATION MODELING RESEARCH PROJECT
ARTIST VILLAGE POC F

THIS POC	PASSES
Time Steps > 110%	0
Time Steps = 110%	0
Max % =	81%

Record Period = 45 Years = 16,425 days = 394,200 hours
% time Flow Exceeded = 100*m/(394200+1)

Rank (m)	Return Interval (yrs)	Peak Flow (cfs)			% Time Flow Exceeded	Hourly Flow Data (cfs) (Duration Calc)			Percentage	PASS/FAIL
		Exist. Cond.	Prop. Cond.	Prop. w/BMP		Exist. Cond.	Prop. Cond.	Prop. w/BMP		
57	0.79	0.171	0.888	0.16	0.0145	0.42		0.34	94%	PASS
58	0.78	0.171	0.867	0.159	0.0147	0.41		0.34	93%	PASS
59	0.76	0.162	0.867	0.159	0.0150	0.41		0.33	98%	PASS
60	0.75	0.159	0.860	0.159	0.0152	0.4		0.32	100%	PASS
61	0.74	0.158	0.854	0.158	0.0155	0.39		0.32	100%	PASS
62	0.73	0.148	0.851	0.156	0.0157	0.38		0.32	105%	PASS
63	0.71	0.139	0.847	0.156	0.0160	0.37		0.32	112%	FAIL
64	0.70	0.139	0.840	0.155	0.0162	0.37		0.31	112%	FAIL
65	0.69	0.135	0.830	0.154	0.0165	0.36		0.3	114%	FAIL
66	0.68	0.134	0.826	0.154	0.0167	0.36		0.3	115%	FAIL
67	0.67	0.129	0.824	0.154	0.0170	0.34		0.3	119%	FAIL
68	0.66	0.128	0.814	0.154	0.0173	0.33		0.3	120%	FAIL
69	0.65	0.127	0.812	0.153	0.0175	0.3		0.3	120%	FAIL
70	0.64	0.124	0.811	0.153	0.0178	0.3		0.3	123%	FAIL
71	0.63	0.123	0.802	0.153	0.0180	0.3		0.3	124%	FAIL
72	0.63	0.120	0.798	0.153	0.0183	0.3		0.29	128%	FAIL
73	0.62	0.117	0.798	0.153	0.0185	0.29		0.29	131%	FAIL
74	0.61	0.112	0.793	0.152	0.0188	0.29		0.28	136%	FAIL
75	0.57	0.105	0.793	0.151	0.0190	0.29		0.28	144%	FAIL
76	0.57	0.105	0.787	0.151	0.0193	0.29		0.28	144%	FAIL
77	0.57	0.105	0.787	0.15	0.0195	0.28		0.28	143%	FAIL
78	0.57	0.105	0.779	0.15	0.0198	0.28		0.28	143%	FAIL
79	0.57	0.104	0.744	0.149	0.0200	0.28		0.28	143%	FAIL
80	0.56	0.102	0.743	0.148	0.0203	0.28		0.27	145%	FAIL
81	0.56	0.100	0.741	0.148	0.0205	0.27		0.27	148%	FAIL
82	0.55	0.099	0.735	0.147	0.0208	0.27		0.27	148%	FAIL
83	0.54	0.096	0.731	0.147	0.0211	0.27		0.26	153%	FAIL
84	0.54	0.096	0.720	0.146	0.0213	0.27		0.25	152%	FAIL
85	0.53	0.090	0.720	0.146	0.0216	0.27		0.25	162%	FAIL
86	0.52	0.088	0.716	0.146	0.0218	0.26		0.24	166%	FAIL
87	0.52	0.088	0.714	0.146	0.0221	0.25		0.24	166%	FAIL
88	0.51	0.085	0.714	0.145	0.0223	0.25		0.23	171%	FAIL
89	0.51	0.076	0.713	0.145	0.0226	0.25		0.23	191%	FAIL
90	0.50	0.069	0.712	0.145	0.0228	0.24		0.23	210%	FAIL
91	0.49	0.069	0.710	0.145	0.0231	0.24		0.22	210%	FAIL
92	0.49	0.063	0.708	0.144	0.0233	0.24		0.22	229%	FAIL
93	0.48	0.062	0.701	0.144	0.0236	0.23		0.22	232%	FAIL
94	0.48	0.060	0.697	0.143	0.0238	0.23		0.22	238%	FAIL
95	0.47	0.057	0.697	0.142	0.0241	0.22		0.22	249%	FAIL
96	0.47	0.057	0.696	0.141	0.0244	0.22		0.22	247%	FAIL
97	0.46	0.055	0.696	0.141	0.0246	0.21		0.22	256%	FAIL
98	0.46	0.054	0.693	0.14	0.0249	0.21		0.22	259%	FAIL
99	0.45	0.043	0.689	0.14	0.0251	0.21		0.22	326%	FAIL
100	0.45	0.043	0.680	0.14	0.0254	0.21		0.22	326%	FAIL
101	0.45	0.043	0.675	0.14	0.0256	0.21		0.22	326%	FAIL
102	0.42	0.043	0.673	0.137	0.0259	0.2		0.22	319%	FAIL
103	0.42	0.043	0.665	0.137	0.0261	0.19		0.22	319%	FAIL
104	0.42	0.043	0.660	0.136	0.0264	0.19		0.22	316%	FAIL
105	0.42	0.043	0.655	0.136	0.0266	0.19		0.22	316%	FAIL
106	0.42	0.039	0.653	0.135	0.0269	0.19		0.22	346%	FAIL
107	0.42	0.039	0.652	0.135	0.0271	0.19		0.22	346%	FAIL
108	0.42	0.038	0.652	0.134	0.0274	0.18		0.22	353%	FAIL
109	0.41	0.037	0.649	0.134	0.0277	0.18		0.22	362%	FAIL
110	0.41	0.037	0.646	0.133	0.0279	0.18		0.22	359%	FAIL
111	0.41	0.034	0.641	0.133	0.0282	0.18		0.22	391%	FAIL
112	0.40	0.034	0.640	0.133	0.0284	0.18		0.22	391%	FAIL

ATTACHMENT 3
Structural BMP Maintenance Information

This is the cover sheet for Attachment 3.

Indicate which Items are Included behind this cover sheet:

Attachment Sequence	Contents	Checklist
Attachment 3a	Structural BMP Maintenance Thresholds and Actions (Required)	☐ Included See Structural BMP Maintenance Information Checklist on the back of this Attachment cover sheet.
Attachment 3b	Draft Maintenance Agreement (when applicable)	☐ Included ☐ Not Applicable

Use this checklist to ensure the required information has been included in the Structural BMP Maintenance Information Attachment:

☐ **Preliminary Design / Planning / CEQA level submittal:**

Attachment 3a must identify:

- ☐ Typical maintenance indicators and actions for proposed structural BMP(s) based on Section 7.7 of the BMP Design Manual

Attachment 3b is not required for preliminary design / planning / CEQA level submittal.

☐ **Final Design level submittal:**

Attachment 3a must identify:

- ☐ Specific maintenance indicators and actions for proposed structural BMP(s). This shall be based on Section 7.7 of the BMP Design Manual and enhanced to reflect actual proposed components of the structural BMP(s)
- ☐ How to access the structural BMP(s) to inspect and perform maintenance
- ☐ Features that are provided to facilitate inspection (e.g., observation ports, cleanouts, silt posts, or other features that allow the inspector to view necessary components of the structural BMP and compare to maintenance thresholds)
- ☐ Manufacturer and part number for proprietary parts of structural BMP(s) when applicable
- ☐ Maintenance thresholds specific to the structural BMP(s), with a location-specific frame of reference (e.g., level of accumulated materials that triggers removal of the materials, to be identified based on viewing marks on silt posts or measured with a survey rod with respect to a fixed benchmark within the BMP)
- ☐ Recommended equipment to perform maintenance
- ☐ When applicable, necessary special training or certification requirements for inspection and maintenance personnel such as confined space entry or hazardous waste management

Attachment 3b: For private entity operation and maintenance, Attachment 3b shall include a draft maintenance agreement in the local jurisdiction's standard format (PDP applicant to contact the [City Engineer] to obtain the current maintenance agreement forms).

E.18 BF-1 Biofiltration

Location: 43rd Street and Logan Avenue, San Diego, California

MS4 Permit Category
Biofiltration

Manual Category
Biofiltration

Applicable Performance Standard
Pollutant Control
Flow Control

Primary Benefits
Treatment
Volume Reduction (Incidental)
Peak Flow Attenuation (Optional)

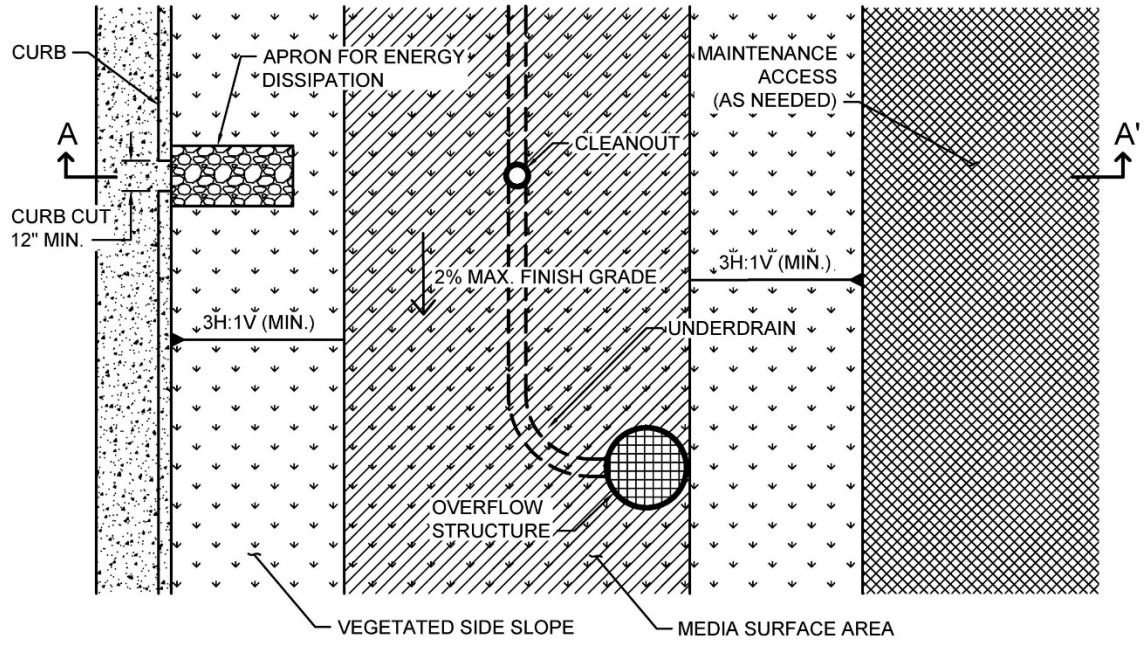
Description

Biofiltration (Bioretention with underdrain) facilities are vegetated surface water systems that filter water through vegetation, and soil or engineered media prior to discharge via underdrain or overflow to the downstream conveyance system. Bioretention with underdrain facilities are commonly incorporated into the site within parking lot landscaping, along roadsides, and in open spaces. Because these types of facilities have limited or no infiltration, they are typically designed to provide enough hydraulic head to move flows through the underdrain connection to the storm drain system. Treatment is achieved through filtration, sedimentation, sorption, biochemical processes and plant uptake.

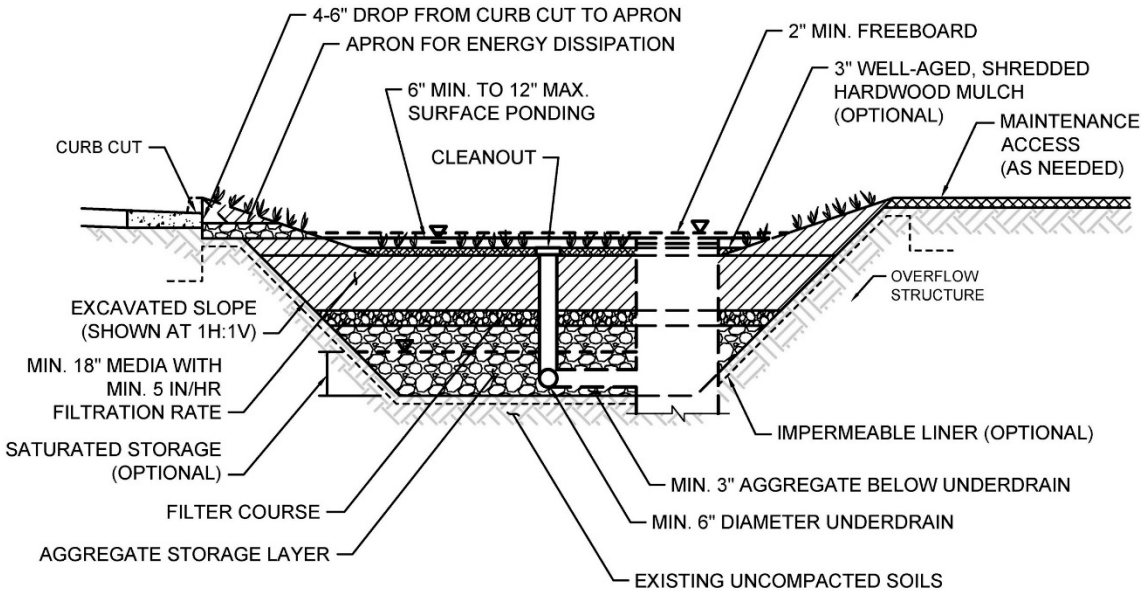
Typical bioretention with underdrain components include:

- Inflow distribution mechanisms (e.g, perimeter flow spreader or filter strips)
- Energy dissipation mechanism for concentrated inflows (e.g., splash blocks or riprap)
- Shallow surface ponding for captured flows
- Side slope and basin bottom vegetation selected based on expected climate and ponding depth
- Non-floating mulch layer (Optional)
- Media layer (planting mix or engineered media) capable of supporting vegetation growth
- Filter course layer consisting of aggregate to prevent the migration of fines into uncompacted native soils or the aggregate storage layer
- Aggregate storage layer with underdrain(s)

- Impermeable liner or uncompacted native soils at the bottom of the facility
- Overflow structure



PLAN
NOT TO SCALE



SECTION A-A'
NOT TO SCALE

Typical plan and Section view of a Biofiltration BMP

Design Adaptations for Project Goals

Biofiltration Treatment BMP for storm water pollutant control. The system is lined or un-lined to provide incidental infiltration, and an underdrain is provided at the bottom to carry away filtered runoff. This configuration is considered to provide biofiltration treatment via flow through the media layer. Storage provided above the underdrain within surface ponding, media, and aggregate storage is considered included in the biofiltration treatment volume. Saturated storage within the aggregate storage layer can be added to this design by raising the underdrain above the bottom of the aggregate storage layer or via an internal weir structure designed to maintain a specific water level elevation.

Integrated storm water flow control and pollutant control configuration. The system can be designed to provide flow rate and duration control by primarily providing increased surface ponding and/or having a deeper aggregate storage layer above the underdrain. This will allow for significant detention storage, which can be controlled via inclusion of an outlet structure at the downstream end of the underdrain.

Recommended Siting Criteria

Siting Criteria		*Intent/Rationale*
☐	Placement observes geotechnical recommendations regarding potential hazards (e.g., slope stability, landslides, liquefaction zones) and setbacks (e.g., slopes, foundations, utilities).	Must not negatively impact existing site geotechnical concerns.
☐	An impermeable liner or other hydraulic restriction layer is included if site constraints indicate that infiltration or lateral flows should not be allowed.	Lining prevents storm water from impacting groundwater and/or sensitive environmental or geotechnical features. Incidental infiltration, when allowable, can aid in pollutant removal and groundwater recharge.
☐	Contributing tributary area shall be ≤ 5 acres (≤ 1 acre preferred).	Bigger BMPs require additional design features for proper performance. Contributing tributary area greater than 5 acres may be allowed at the discretion of the [City Engineer} if the following conditions are met: 1) incorporate design features (e.g. flow spreaders) to minimizing short circuiting of flows in the

Siting Criteria	*Intent/Rationale*
	BMP and 2) incorporate additional design features requested by the [City Engineer] for proper performance of the regional BMP.
☐ Finish grade of the facility is ≤ 2%.	Flatter surfaces reduce erosion and channelization within the facility.

Recommended BMP Component Dimensions

BMP Component	*Dimension*	*Intent/Rationale*
Freeboard	≥ 12 inches	Freeboard provides room for head over overflow structures and minimizes risk of uncontrolled surface discharge.
Surface Ponding	≥ 6 and ≤ 12 inches	Surface ponding capacity lowers subsurface storage requirements. Deep surface ponding raises safety concerns. Surface ponding depth greater than 12 inches (for additional pollutant control or surface outlet structures or flow-control orifices) may be allowed at the discretion of the [City Engineer] if the following conditions are met: 1) surface ponding depth drawdown time is less than 24 hours; and 2) safety issues and fencing requirements are considered (typically ponding greater than 18" will require a fence and/or flatter side slopes) and 3) potential for elevated clogging risk is considered.
Ponding Area Side Slopes	3H:1V or shallower	Gentler side slopes are safer, less prone to erosion, able to establish vegetation more quickly and easier to maintain.
Mulch	≥ 3 inches	Mulch will suppress weeds and maintain moisture for plant growth. Aging mulch kills pathogens and weed seeds and allows the beneficial microbes to multiply.

Media Layer	≥ 18 inches	A deep media layer provides additional filtration and supports plants with deeper roots. Standard specifications shall be followed. For non-standard or proprietary designs, compliance with F.1 ensures that adequate treatment performance will be provided.
Underdrain Diameter	≥ 6 inches	Smaller diameter underdrains are prone to clogging.
Cleanout Diameter	≥ 6 inches	Properly spaced cleanouts will facilitate underdrain maintenance.

Design Criteria and Considerations

Bioretention with underdrain must meet the following design criteria. Deviations from the below criteria may be approved at the discretion of the [City Engineer] if it is determined to be appropriate:

Siting and Design		*Intent/Rationale*
Surface Ponding		
☐	Surface ponding is limited to a 24-hour drawdown time.	Surface ponding limited to 24 hours for plant health. Surface ponding drawdown time greater than 24-hours but less than 96 hours may be allowed at the discretion of the [City Engineer] if certified by a landscape architect or agronomist.
Vegetation		
☐	Plantings are suitable for the climate and expected ponding depth. A plant list to aid in selection can be found in Appendix E.20.	Plants suited to the climate and ponding depth are more likely to survive.
☐	An irrigation system with a connection to water supply should be provided as needed.	Seasonal irrigation might be needed to keep plants healthy.
Mulch (Optional or Mandatory – Dependent on jurisdiction)		
☐	A minimum of 3 inches of well-aged, shredded hardwood mulch that has been stockpiled or stored for at least 12 months is provided.	Mulch will suppress weeds and maintain moisture for plant growth. Aging mulch kills pathogens and weed seeds and allows the beneficial microbes to multiply.

Siting and Design		*Intent/Rationale*
Media Layer		
☐	Media maintains a minimum filtration rate of 5 in/hr over lifetime of facility. An initial filtration rate of 8 to 12 in/hr is recommended to allow for clogging over time; the initial filtration rate should not exceed 12 inches per hour.	A filtration rate of at least 5 inches per hour allows soil to drain between events. The initial rate should be higher than long term target rate to account for clogging over time. However an excessively high initial rate can have a negative impact on treatment performance, therefore an upper limit is needed.
☐	Media is a minimum 18 inches deep, meeting either of these two media specifications: Section F.3 Bioretention Soil Media (BSM) or specific jurisdictional guidance. Alternatively, for proprietary designs and custom media mixes not meeting the media specifications contained in the 2016 City Storm Water Standards or County LID Manual, the media meets the pollutant treatment performance criteria in Section F.1.	A deep media layer provides additional filtration and supports plants with deeper roots. Standard specifications shall be followed. For non-standard or proprietary designs, compliance with F.1 ensures that adequate treatment performance will be provided.
☐	Media surface area is 3% of contributing area times adjusted runoff factor or greater. Unless demonstrated that the BMP surface area can be smaller than 3%.	Greater surface area to tributary area ratios: a) maximizes volume retention as required by the MS4 Permit and b) decrease loading rates per square foot and therefore increase longevity. Adjusted runoff factor is to account for site design BMPs implemented upstream of the BMP (such as rain barrels, impervious area dispersion, etc.). Refer to Appendix B.2 guidance. Use Worksheet B.5-1 Line 26 to estimate the minimum surface area required per this criteria.
☐	Where receiving waters are impaired or have a TMDL for nutrients, the system is designed with nutrient sensitive media design (see fact sheet BF-2).	Potential for pollutant export is partly a function of media composition; media design must minimize potential for export of nutrients, particularly where receiving waters are impaired for nutrients.

Siting and Design		*Intent/Rationale*
Filter Course Layer		
☐	A filter course is used to prevent migration of fines through layers of the facility. Filter fabric is not used.	Migration of media can cause clogging of the aggregate storage layer void spaces or subgrade. Filter fabric is more likely to clog.
☐	Filter course is washed and free of fines.	Washing aggregate will help eliminate fines that could clog the facility and impede infiltration.
☐	Filter course calculations assessing suitability for particle migration prevention have been completed.	Gradation relationship between layers can evaluate factors (e.g., bridging, permeability, and uniformity) to determine if particle sizing is appropriate or if an intermediate layer is needed.
Aggregate Storage Layer		
☐	Class 2 Permeable per Caltrans specification 68-1.025 is recommended for the storage layer. Washed, open-graded crushed rock may be used, however a 4-6 inch washed pea gravel filter course layer at the top of the crushed rock is required.	Washing aggregate will help eliminate fines that could clog the aggregate storage layer void spaces or subgrade.
☐	The depth of aggregate provided (12-inch typical) and storage layer configuration is adequate for providing conveyance for underdrain flows to the outlet structure.	Proper storage layer configuration and underdrain placement will minimize facility drawdown time.
Inflow, Underdrain, and Outflow Structures		
☐	Inflow, underdrains and outflow structures are accessible for inspection and maintenance.	Maintenance will prevent clogging and ensure proper operation of the flow control structures.
☐	Inflow velocities are limited to 3 ft/s or less or use energy dissipation methods. (e.g., riprap, level spreader) for concentrated inflows.	High inflow velocities can cause erosion, scour and/or channeling.
☐	Curb cut inlets are at least 12 inches wide, have a 4-6 inch reveal (drop) and an apron and energy dissipation as needed.	Inlets must not restrict flow and apron prevents blockage from vegetation as it grows in. Energy dissipation prevents erosion.

Siting and Design		*Intent/Rationale*
☐	Underdrain outlet elevation should be a minimum of 3 inches above the bottom elevation of the aggregate storage layer.	A minimal separation from subgrade or the liner lessens the risk of fines entering the underdrain and can improve hydraulic performance by allowing perforations to remain unblocked.
☐	Minimum underdrain diameter is 6 inches.	Smaller diameter underdrains are prone to clogging.
☐	Underdrains are made of slotted, PVC pipe conforming to ASTM D 3034 or equivalent or corrugated, HDPE pipe conforming to AASHTO 252M or equivalent.	Slotted underdrains provide greater intake capacity, clog resistant drainage, and reduced entrance velocity into the pipe, thereby reducing the chances of solids migration.
☐	An underdrain cleanout with a minimum 6-inch diameter and lockable cap is placed every 250 to 300 feet as required based on underdrain length.	Properly spaced cleanouts will facilitate underdrain maintenance.
☐	Overflow is safely conveyed to a downstream storm drain system or discharge point Size overflow structure to pass 100-year peak flow for on-line infiltration basins and water quality peak flow for off-line basins.	Planning for overflow lessens the risk of property damage due to flooding.

Conceptual Design and Sizing Approach for Storm Water Pollutant Control Only

To design bioretention with underdrain for storm water pollutant control only (no flow control required), the following steps should be taken:

1. Verify that siting and design criteria have been met, including placement requirements, contributing tributary area, maximum side and finish grade slopes, and the recommended media surface area tributary ratio.
2. Calculate the DCV per Appendix B based on expected site design runoff for tributary areas.
3. Use the sizing worksheet presented in Appendix B.5 to size biofiltration BMPs.

Conceptual Design and Sizing Approach when Storm Water Flow Control is Applicable

Control of flow rates and/or durations will typically require significant surface ponding and/or aggregate storage volumes, and therefore the following steps should be taken prior to determination of storm water pollutant control design. Pre-development and allowable post-project flow rates and durations should be determined as discussed in Chapter 6 of the manual.

1. Verify that siting and design criteria have been met, including placement requirements, contributing tributary area, maximum side and finish grade slopes, and the recommended media surface area tributary ratio.
2. Iteratively determine the facility footprint area, surface ponding and/or aggregate storage layer depth required to provide detention storage to reduce flow rates and durations to allowable limits. Flow rates and durations can be controlled from detention storage by altering outlet structure orifice size(s) and/or water control levels. Multi-level orifices can be used within an outlet structure to control the full range of flows.
3. If bioretention with underdrain cannot fully provide the flow rate and duration control required by this manual, an upstream or downstream structure with significant storage volume such as an underground vault can be used to provide remaining controls.
4. After bioretention with underdrain has been designed to meet flow control requirements, calculations must be completed to verify if storm water pollutant control requirements to treat the DCV have been met.

Maintenance Overview

Normal Expected Maintenance. Biofiltration requires routine maintenance to: remove accumulated materials such as sediment, trash or debris; maintain vegetation health; maintain infiltration capacity of the media layer; replenish mulch; and maintain integrity of side slopes, inlets, energy dissipators, and outlets. A summary table of standard inspection and maintenance indicators is provided within this Fact Sheet.

Non-Standard Maintenance or BMP Failure. If any of the following scenarios are observed, the BMP is not performing as intended to protect downstream waterways from pollution and/or erosion. Corrective maintenance, increased inspection and maintenance, BMP replacement, or a different BMP type will be required.

- The BMP is not drained between storm events. Surface ponding longer than approximately 24 hours following a storm event may be detrimental to vegetation health, and surface ponding longer than approximately 96 hours following a storm event poses a risk of vector (mosquito) breeding. Poor drainage can result from clogging of the media layer, filter course, aggregate storage layer, underdrain, or outlet structure. The specific cause of the drainage issue must be determined and corrected.
- Sediment, trash, or debris accumulation greater than 25% of the surface ponding volume within one month. This means the load from the tributary drainage area is too high, reducing BMP function or clogging the BMP. This would require pretreatment measures within the tributary area draining to the BMP to intercept the materials. Pretreatment components, especially for sediment, will extend the life of components that are more expensive to replace such as media, filter course, and aggregate layers.

- Erosion due to concentrated storm water runoff flow that is not readily corrected by adding erosion control blankets, adding stone at flow entry points, or minor re-grading to restore proper drainage according to the original plan. If the issue is not corrected by restoring the BMP to the original plan and grade, the [City Engineer] shall be contacted prior to any additional repairs or reconstruction.

Other Special Considerations. Biofiltration is a vegetated structural BMP. Vegetated structural BMPs that are constructed in the vicinity of, or connected to, an existing jurisdictional water or wetland could inadvertently result in creation of expanded waters or wetlands. As such, vegetated structural BMPs have the potential to come under the jurisdiction of the United States Army Corps of Engineers, SDRWQCB, California Department of Fish and Wildlife, or the United States Fish and Wildlife Service. This could result in the need for specific resource agency permits and costly mitigation to perform maintenance of the structural BMP. Along with proper placement of a structural BMP, routine maintenance is key to preventing this scenario.

Sediment Loading. Consider the effects of BMP design and tributary area land uses on the clogging potential of the BMP. Complete the sediment loading analysis included in Appendix E.27.

Summary of Standard Inspection and Maintenance

The property owner is responsible to ensure inspection, operation and maintenance of permanent BMPs on their property unless responsibility has been formally transferred to an agency, community facilities district, homeowners association, property owners association, or other special district.

Maintenance frequencies listed in this table are average/typical frequencies. Actual maintenance needs are site-specific, and maintenance may be required more frequently. Maintenance must be performed whenever needed, based on maintenance indicators presented in this table. The BMP owner is responsible for conducting regular inspections to see when maintenance is needed based on the maintenance indicators. During the first year of operation of a structural BMP, inspection is recommended at least once prior to August 31 and then monthly from September through May. Inspection during a storm event is also recommended. After the initial period of frequent inspections, the minimum inspection and maintenance frequency can be determined based on the results of the first year inspections.

Threshold/Indicator	Maintenance Action	Typical Maintenance Frequency
Accumulation of sediment, litter, or debris	Remove and properly dispose of accumulated materials, without damage to the vegetation or compaction of the media layer.	• Inspect monthly. If the BMP is 25% full* or more in one month, increase inspection frequency to monthly plus after every 0.1-inch or larger storm event. • Remove any accumulated materials found at each inspection.
Obstructed inlet or outlet structure	Clear blockage.	• Inspect monthly and after every 0.5-inch or larger storm event. • Remove any accumulated materials found at each inspection.
Damage to structural components such as weirs, inlet or outlet structures	Repair or replace as applicable	• Inspect annually. • Maintain when needed.

Threshold/Indicator	Maintenance Action	Typical Maintenance Frequency
Poor vegetation establishment	Re-seed, re-plant, or re-establish vegetation per original plans.	• Inspect monthly. • Maintain when needed.
Dead or diseased vegetation	Remove dead or diseased vegetation, re-seed, re-plant, or re-establish vegetation per original plans.	• Inspect monthly. • Maintain when needed.
Overgrown vegetation	Mow or trim as appropriate.	• Inspect monthly. • Maintain when needed.
2/3 of mulch has decomposed, or mulch has been removed	Remove decomposed fraction and top off with fresh mulch to a total depth of 3 inches.	• Inspect monthly. • Replenish mulch annually, or more frequently when needed based on inspection.
Erosion due to concentrated irrigation flow	Repair/re-seed/re-plant eroded areas and adjust the irrigation system.	• Inspect monthly. • Maintain when needed.

Threshold/Indicator	Maintenance Action	Typical Maintenance Frequency
Erosion due to concentrated storm water runoff flow	Repair/re-seed/re-plant eroded areas, and make appropriate corrective measures such as adding erosion control blankets, adding stone at flow entry points, or minor re-grading to restore proper drainage according to the original plan. If the issue is not corrected by restoring the BMP to the original plan and grade, the [City Engineer] shall be contacted prior to any additional repairs or reconstruction.	• Inspect after every 0.5-inch or larger storm event. If erosion due to storm water flow has been observed, increase inspection frequency to after every 0.1-inch or larger storm event. • Maintain when needed. If the issue is not corrected by restoring the BMP to the original plan and grade, the [City Engineer] shall be contacted prior to any additional repairs or reconstruction.
Standing water in BMP for longer than 24 hours following a storm event Surface ponding longer than approximately 24 hours following a storm event may be detrimental to vegetation health	Make appropriate corrective measures such as adjusting irrigation system, removing obstructions of debris or invasive vegetation, clearing underdrains, or repairing/replacing clogged or compacted soils.	• Inspect monthly and after every 0.5-inch or larger storm event. If standing water is observed, increase inspection frequency to after every 0.1-inch or larger storm event. • Maintain when needed.

Threshold/Indicator	Maintenance Action	Typical Maintenance Frequency
Presence of mosquitos/larvae For images of egg rafts, larva, pupa, and adult mosquitos, see http://www.mosquito.org/biology	If mosquitos/larvae are observed: first, immediately remove any standing water by dispersing to nearby landscaping; second, make corrective measures as applicable to restore BMP drainage to prevent standing water. If mosquitos persist following corrective measures to remove standing water, or if the BMP design does not meet the 96-hour drawdown criteria due to release rates controlled by an orifice installed on the underdrain, the [City Engineer] shall be contacted to determine a solution. A different BMP type, or a Vector Management Plan prepared with concurrence from the County of San Diego Department of Environmental Health, may be required.	• Inspect monthly and after every 0.5-inch or larger storm event. If mosquitos are observed, increase inspection frequency to after every 0.1-inch or larger storm event. • Maintain when needed.
Underdrain clogged	Clear blockage.	Inspect if standing water is observed for longer than 24-96 hours following a storm event. Maintain when needed.

"25% full" is defined as ¼ of the depth from the design bottom elevation to the crest of the outflow structure (e.g., if the height to the outflow opening is 12 inches from the bottom elevation, then the materials must be removed when there is 3 inches of accumulation – this should be marked on the outflow structure).

ATTACHMENT 4
Copy of Plan Sheets Showing Permanent Storm Water BMPs

This is the cover sheet for Attachment 4.

Use this checklist to ensure the required information has been included on the plans:

The plans must identify:

- ☐ Structural BMP(s) with ID numbers matching Form I-6 Summary of PDP Structural BMPs
- ☐ The grading and drainage design shown on the plans must be consistent with the delineation of DMAs shown on the DMA exhibit
- ☐ Details and specifications for construction of structural BMP(s)
- ☐ Signage indicating the location and boundary of structural BMP(s) as required by the [City Engineer]
- ☐ How to access the structural BMP(s) to inspect and perform maintenance
- ☐ Features that are provided to facilitate inspection (e.g., observation ports, cleanouts, silt posts, or other features that allow the inspector to view necessary components of the structural BMP and compare to maintenance thresholds)
- ☐ Manufacturer and part number for proprietary parts of structural BMP(s) when applicable
- ☐ Maintenance thresholds specific to the structural BMP(s), with a location-specific frame of reference (e.g., level of accumulated materials that triggers removal of the materials, to be identified based on viewing marks on silt posts or measured with a survey rod with respect to a fixed benchmark within the BMP)
- ☐ Recommended equipment to perform maintenance
- ☐ When applicable, necessary special training or certification requirements for inspection and maintenance personnel such as confined space entry or hazardous waste management
- ☐ Include landscaping plan sheets showing vegetation requirements for vegetated structural BMP(s)
- ☐ All BMPs must be fully dimensioned on the plans
- ☐ When proprietary BMPs are used, site-specific cross section with outflow, inflow, and model number shall be provided. Photocopies of general brochures are not acceptable.

CONCEPTUAL GRADING PLAN
FOR TENTATIVE SUBDIVISION MAP NO. TSM22-0002

IN THE CITY OF SAN MARCOS, COUNTY OF SAN DIEGO, STATE OF CALIFORNIA

LEGEND & ABBREVIATIONS

- PROJECT BOUNDARY
- EXISTING RIGHT OF WAY/PL
- STREET RIGHT OF WAY
- CENTER LINE
- SS — PROPOSED SEWER LINE (8")
- SD — PROPOSED STORM DRAIN LINE
- DW — PROPOSED WATER LINE (8" U.O.N.)
- PROPOSED RETAINING WALL
- GW — PROPOSED GREASE WATER LINE
- PROPOSED SEWER MANHOLE
- FW — PROPOSED 8" FIRE WATER LINE
- PROPOSED FIRE HYDRANT
- SS — EXISTING SEWER LINE
- DW — EXISTING WATER LINE
- SD — EXISTING STORM DRAIN LINE
- PROPOSED TREE PLANTER PER DETAIL SHEET DETAIL AA
- PROPOSED LANDSCAPING AREAS
- PROPOSED ASPHALT AREAS
- PROPOSED CONCRETE AREAS
- PROPOSED DG AREAS
- PROPOSED BIOFILTRATION BMP

EARTHWORK QUANTITIES

CUT= 70 CY
FILL= 15,680 CY
NET= 15,610 CY IMPORT

OWNER/DEVELOPER

CALIFORNIA PACIFIC HOMES, INC.
5251 CALIFORNIA AVENUE, SUITE 250
IRVINE, CA 92617-3074
949-833-6104

DEVELOPER

ASSESSOR'S PARCEL NUMBERS:
219-152-70, -74, -76, -77, -79

UTILITY PROVIDERS

WATER	– VALLECITOS WATER DISTRICT
SEWER	– VALLECITOS WATER DISTRICT
ELECTRICITY	– SDG&E
GAS	– SDG&E

TOPOGRAPHY NOTE:

TOPOGRAPHY BASED ON FIELD SURVEY METHODS PREPARED BY T&M SURVEYING, DATED 7/15/2019

SCHOOL DISTRICT
SAN MARCOS UNIFIED SCHOOL DISTRICT

FLOOD ZONE INFORMATION
THE SUBJECT PROPERTY LIES WITHIN THE CITY OF SAN MARCOS INSURANCE RATE MAP PANEL NUMBER 06073C0789, HAVING AN EFFECTIVE DATE OF 5/16/2012, IN SAN DIEGO COUNTY, CALIFORNIA. ZONE "X" AREA OF MINIMAL CHANCE OF FLOOD HAZARD.

BENCHMARK
BM NO.: 1032: SMVC032 ELEV.: 543.629' (CITY OF SAN MARCOS BENCHMARK) DATUM: NGVD 29 CONVERTED TO NAVD 88 DESCRIPTION: FOUND 3" BRASS DISC, IN STANDARD STREET WELL MONUMENT STAMPED "CSM RCE 16421". LOCATED AT THE INTERSECTION OF LINDA VISTA DRIVE, BENT AVENUE, AND GRAND AVENUE. RECORD FROM: RECORD OF SURVEY 13928

FINAL ENGINEERING BENCHMARK SHALL BE BASED ON RECORD OF SURVEY 23731 ON NAVD88 & NAD83, ELEVATIONS SHOWN HEREON CONVERTED TO NAVD 88. CONVERSION FACTOR= +2.31 FT

SHEET INDEX

CONCEPTUAL GRADING AND UTILITIES ___ 1
TYPICAL SECTIONS ___ 2
PARKING AND CIRCULATION PLAN ___ 3
SIGHT DISTANCE EXHIBIT ___ 4

GRAND AVE

LOT 1

CITY OF SAN MARCOS
PARCEL
APN 219-152-74

SCALE: 1" = 30'

INTERIM EMERGENCY ACCESS ROAD

SCALE: 1" = 100'

TEMPORARY 25' EMERGENCY ACCESS ROAD CONNECTING TO EXISTING DRIVEWAY ON LINDA VISTA DR. IN THE EVENT THAT TPM22-0001 DOES NOT DEVELOP. ACCESS ROAD TO BE MINIMUM 3" AC/6" AB

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6390 Greenwich Dr., Suite 170
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REGISTERED PROFESSIONAL ENGINEER
KENNETH T. KOLIK
No. RCE 71883
EXP. 12-31-23
Civil
STATE OF CALIFORNIA

CONCEPTUAL GRADING PLAN
TENTATIVE SUBDIVISION MAP
TSM22-0002
CONCEPTUAL GRADING AND UTILITIES

SCALE: AS SHOWN
JOB NO.: 1690.001
DATE: 5/12/23

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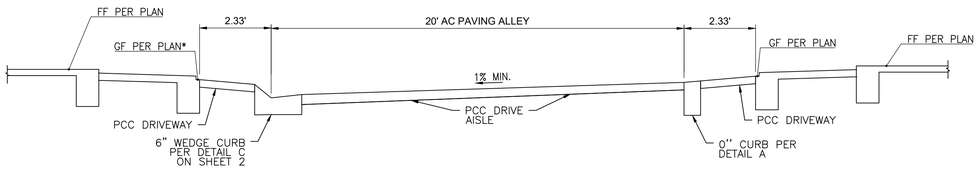

INTERNAL ROAD SECTION (RES) A/2

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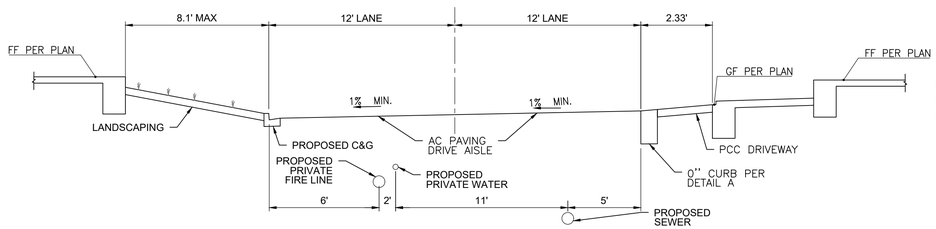

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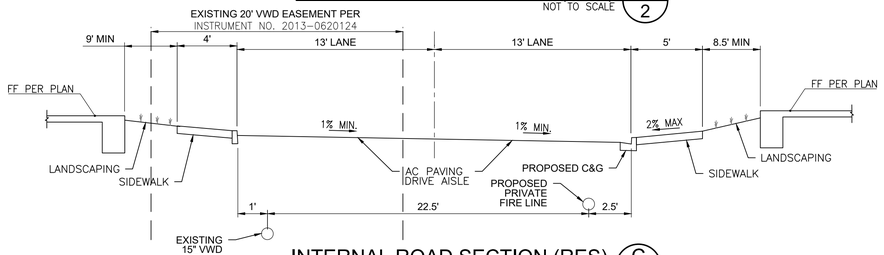

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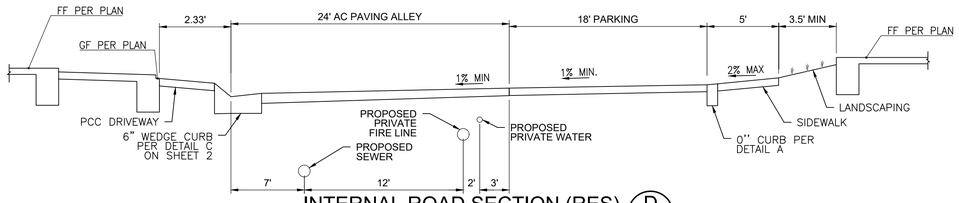

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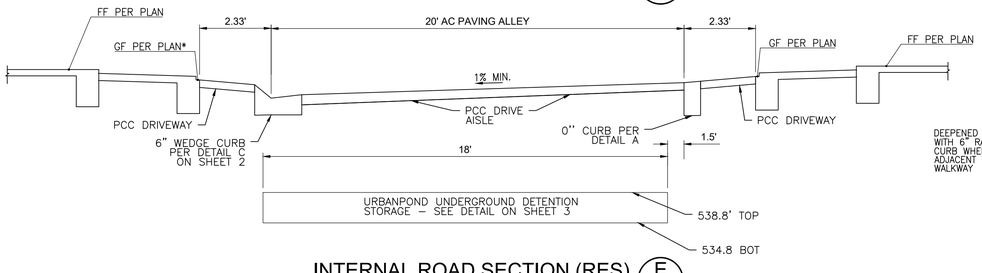

INTERNAL ROAD SECTION (RES) E/2

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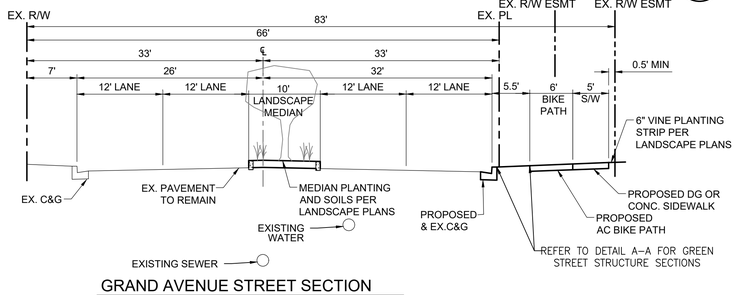

GRAND AVENUE STREET SECTION

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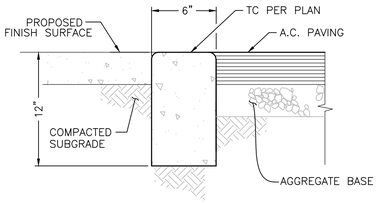
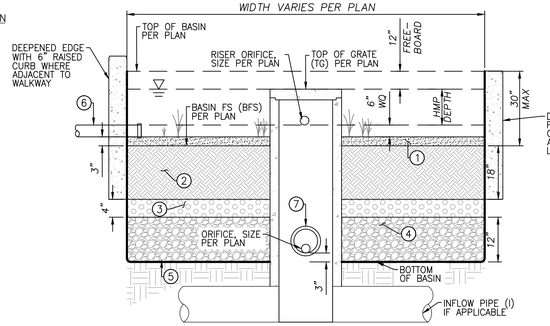


0" CURB

NOT TO SCALE

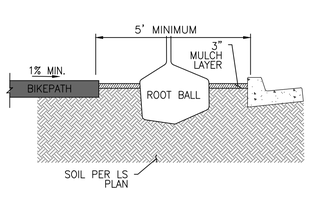


BIOFILTRATION BASIN DETAIL

NOT TO SCALE

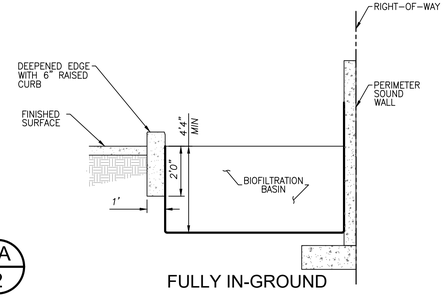
DETAIL NOTES:

1. 3" OF WELL–AGED SHREDDED HARDWOOD MULCH
2. 18" MEDIA LAYER OF LOAMY SAND TYPE SOIL W/ MIN. INFILTRATION RATE = 5 IN/HR. SOIL MEDIA SHALL MEET THE CITY OF SAN DIEGO STORM WATER STANDARDS MANUAL, BIOFILTRATION SOIL MEDIA SPECIFICATION PROVIDED IN APPENDIX F.4 OR COUNTY OF SAN DIEGO LOW IMPACT DEVELOPMENT HANDBOOK: APPENDIX G–BIORETENTION SOIL SPECIFICATION (JUNE 2014, UNLESS SUPERSEDED BY MORE RECENT EDITION).
3. 4" OF WASHED PEA GRAVEL FILTER COURSE LAYER
4. 12" AGGREGATE LAYER OF CLASS 2 PERMEABLE PER CALTRANS SPECIFICATION 68–1.025, 40% VOID RATIO
5. BOTH SIDES AND BOTTOM OF BIOFILTRATION PLANTER SHALL BE LINED WITH 30 MIL THICK PVC LINER. PROVIDE 18" OVERLAPPED, THERMAL WELDED SEAMS AT ALL SEAMS. PLACE NON–WOVEN FILTER FABRIC (MIRAFI 140N OR EQUAL) ON EITHER SIDE OF PVC LINER TO PROTECT LINER FROM PUNCTURE ON ALL SIDES, "SANDWICHING" THE PVC LINER WITH A FABRIC CUSHION.
6. 6" PVC EQUALIZATION PIPE @ 0% SLOPE FOR LINEAR BIOFILTRATIONS IF APPLICABLE
7. 6" PERFORATED PIPES @ +3.00" BOTTOM OF PLANTER WITH CLEANOUTS AND ORIFICE AT CATCH BASIN



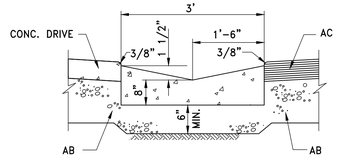
STREET TREE (GRAND AVE) AA/2

NTS



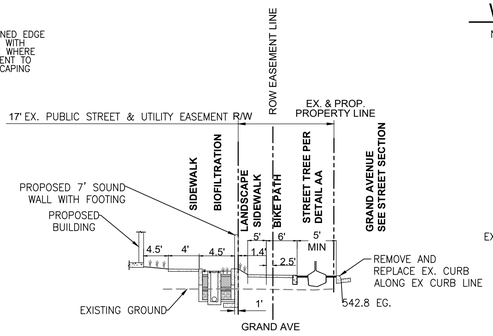
FULLY IN-GROUND

(BMP 1)



RIBBON GUTTER DETAIL B/2

NOT TO SCALE



SECTION A-A/2

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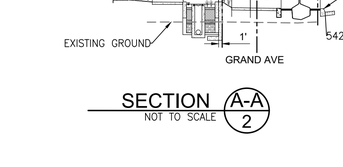

SECTION C-C/2

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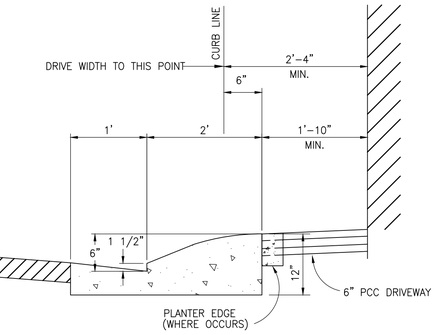

WEDGE CURB C/2

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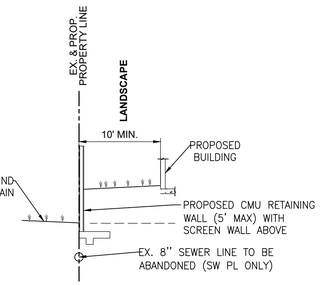

SECTION B-B/2

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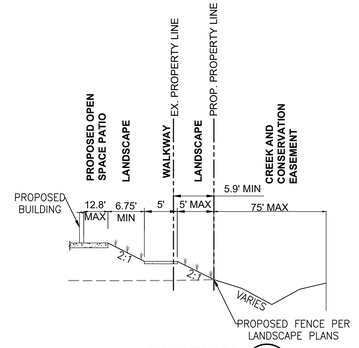

SECTION D-D/2

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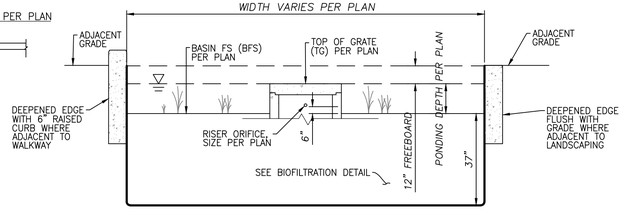
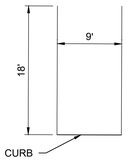


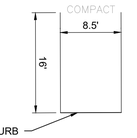
NO SLOPE WITH 2 WALLS

(BMP 2)



STANDARD PARKING 1/2

NOT TO SCALE



COMPACT PARKING 2/2

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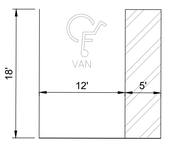

VAN ACCESSIBLE PARKING 3/2

NOT TO SCALE

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REGISTERED PROFESSIONAL ENGINEER — KENNETH T. KOZLIK — No. RCE 71883 EXP. 12–31–23 — Civil — STATE OF CALIFORNIA

CONCEPTUAL GRADING PLAN
TENTATIVE SUBDIVISION MAP
TSM22-0002
TYPICAL SECTIONS

SCALE: AS SHOWN
JOB NO.: 1690.001
DATE: 5/12/23

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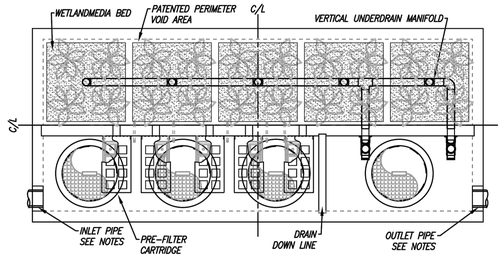
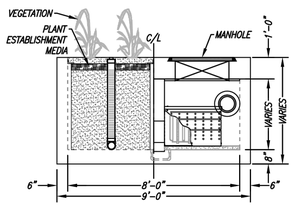
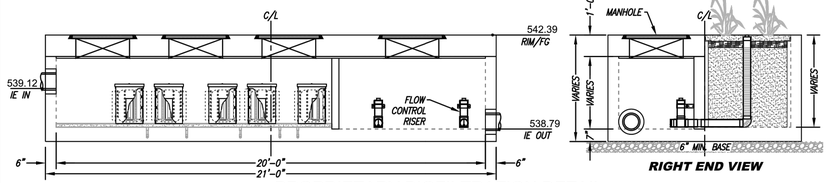
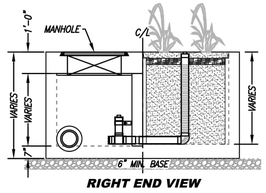


PLAN VIEW



LEFT END VIEW

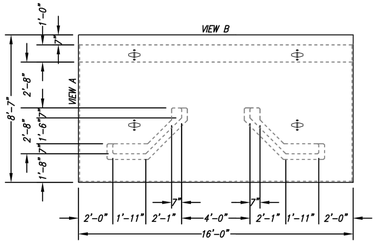




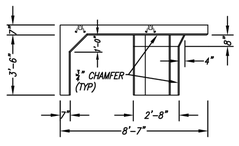
RIGHT END VIEW

PROPRIETARY BIOFILTRATION DETAIL
MODULAR WETLANDS MWS-L-8-20-V

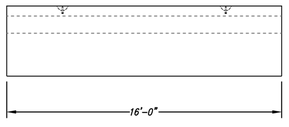
NOT TO SCALE



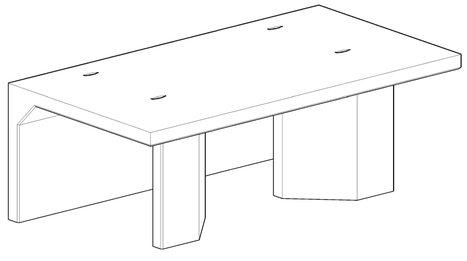
TOP VIEW

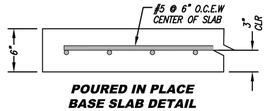


ELEVATION VIEW A

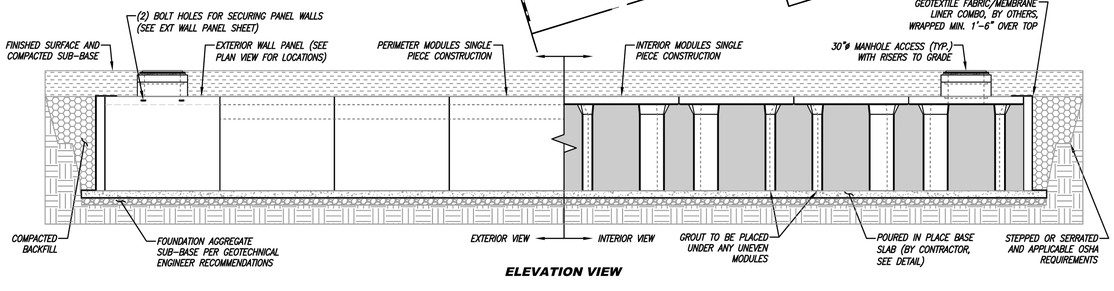


ELEVATION VIEW B





POURED IN PLACE BASE SLAB DETAIL



ELEVATION VIEW

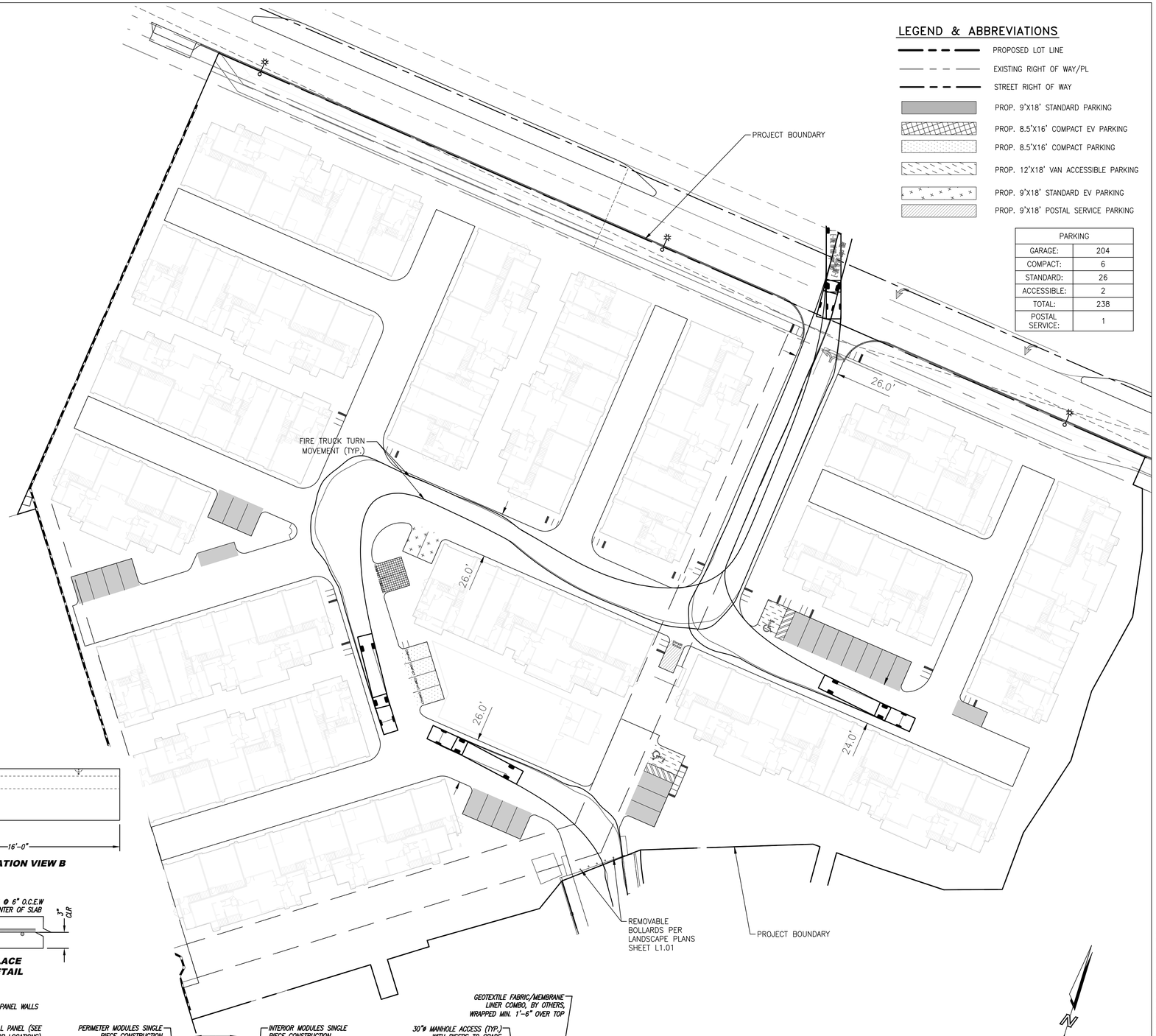
URBANPOND PRECAST CONCRETE STORMWATER DETENTION MODULE BY BIOCLEAN

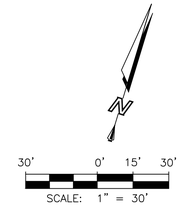
NOT TO SCALE

LEGEND & ABBREVIATIONS

- PROPOSED LOT LINE
- EXISTING RIGHT OF WAY/PL
- STREET RIGHT OF WAY
- PROP. 9'X18' STANDARD PARKING
- PROP. 8.5'X16' COMPACT EV PARKING
- PROP. 8.5'X16' COMPACT PARKING
- PROP. 12'X18' VAN ACCESSIBLE PARKING
- PROP. 9'X18' STANDARD EV PARKING
- PROP. 9'X18' POSTAL SERVICE PARKING

PARKING	
GARAGE:	204
COMPACT:	6
STANDARD:	26
ACCESSIBLE:	2
TOTAL:	238
POSTAL SERVICE:	1





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CONCEPTUAL GRADING PLAN
TENTATIVE SUBDIVISION MAP
TSM22-0002
PARKING AND CIRCULATION PLAN

SCALE: AS SHOWN
JOB NO.: 1690.001
DATE: 5/12/23

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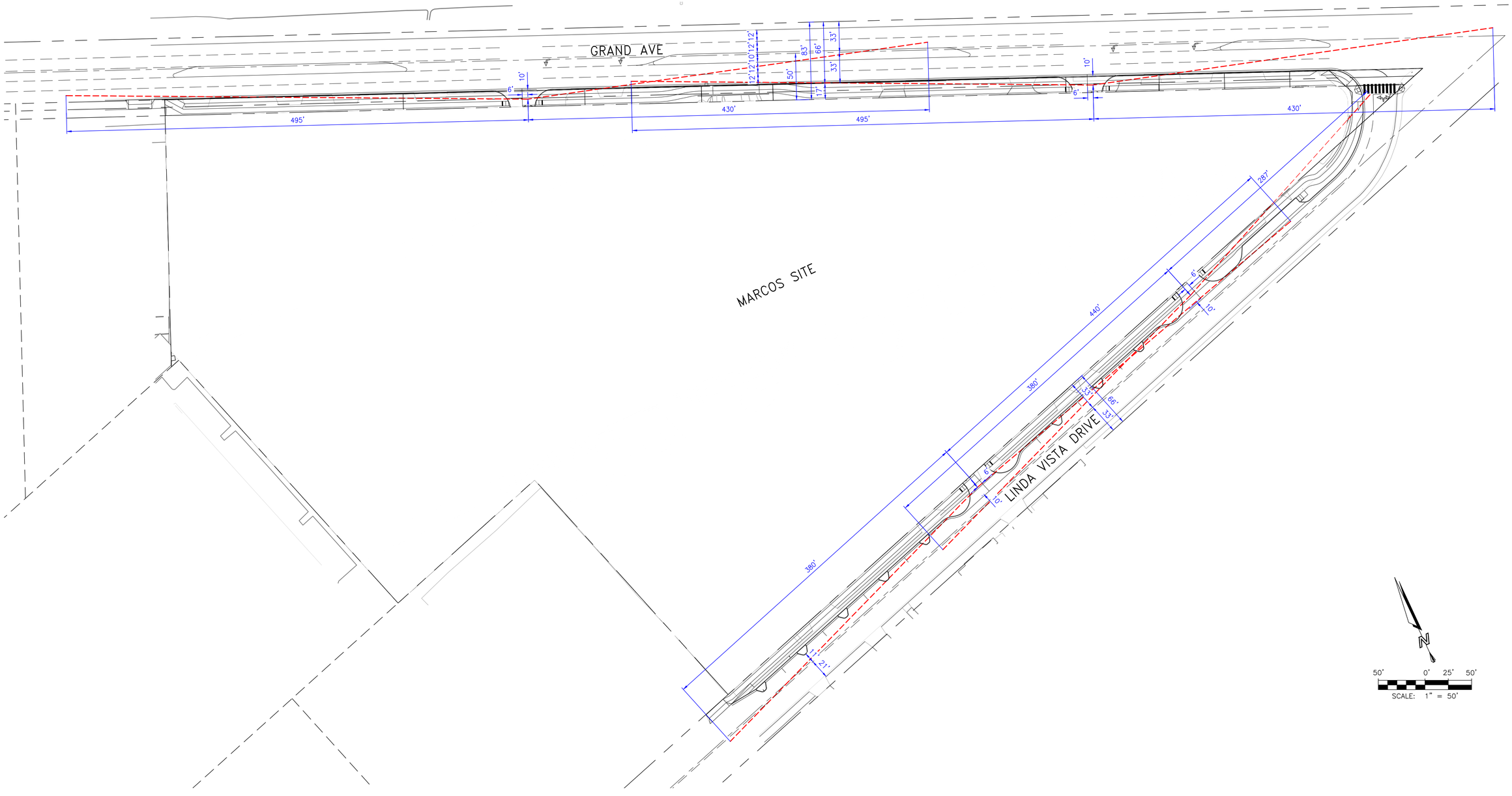

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REGISTERED PROFESSIONAL ENGINEER
KENNETH T. KOZLIK
No. RCE 71883
EXP. 12-31-23
Civil
STATE OF CALIFORNIA

TENTATIVE SUBDIVISION MAP
TSM22-0002
SIGHT DISTANCE EXHIBIT

SCALE: AS SHOWN
JOB NO.: 1690.001
DATE: 5/12/23

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Appendix K

Storm Water Quality Management Plan (East)

CITY OF SAN MARCOS

PRIORITY DEVELOPMENT PROJECT (PDP)
STORM WATER QUALITY MANAGEMENT PLAN (SWQMP)
FOR
MARCOS SPECIFIC PLAN EASTEND
TPM #22-0001

GRAND AVENUE AND LINDA VISTA DRIVE
SAN MARCOS, CA

ASSESSOR'S PARCEL NUMBER(S):
219-152-42, -44, -45, -51, -61, -74, -75

ENGINEER OF WORK:

KENNETH T. KOZLIK, PE C71883

PREPARED FOR:

AOA SAN MARCOS, LLC
709 RANDOLF AVENUE
COSTA MESA, CA 92626
714-966-6661

PDP SWQMP PREPARED BY:

FUSCOE ENGINEERING, INC.
6390 GREENWICH DRIVE, SUITE 170
SAN DIEGO, CA 92122
858-554-1500

DATE OF SWQMP:
May 12, 2023

PLANS PREPARED BY:
FUSCOE ENGINEERING, INC.
6390 GREENWICH DRIVE, SUITE 170
SAN DIEGO, CA 92122
858-554-1500

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PDP SWQMP Project Owner's Certification Page
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FORM I-3B Site Information Checklist for PDPs
FORM I-4 Source Control BMP Checklist for All Development Projects
FORM I-5 Site Design BMP Checklist for All Development Projects
FORM I-6 Summary of PDP Structural BMPs
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    Attachment 1a: DMA Exhibit
    Attachment 1b: Tabular Summary of DMAs and Design Capture Volume Calculations
    Attachment 1c: Harvest and Use Feasibility Screening (when applicable)
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Attachment 2: Backup for PDP Hydromodification Control Measures
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    Attachment 2c: Geomorphic Assessment of Receiving Channels
    Attachment 2d: Flow Control Facility Design
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    Attachment 3a: B Structural BMP Maintenance Thresholds and Actions
    Attachment 3b: Draft Maintenance Agreement (when applicable)
Attachment 4: Copy of Plan Sheets Showing Permanent Storm Water BMPs

ACRONYMS

APN	Assessor's Parcel Number
BMP	Best Management Practice
HMP	Hydromodification Management Plan
HSG	Hydrologic Soil Group
MS4	Municipal Separate Storm Sewer System
N/A	Not Applicable
NRCS	Natural Resources Conservation Service
PDP	Priority Development Project
PE	Professional Engineer
SC	Source Control
SD	Site Design
SDRWQCB	San Diego Regional Water Quality Control Board
SIC	Standard Industrial Classification
SWQMP	Storm Water Quality Management Plan

PDP SWQMP PREPARER'S CERTIFICATION PAGE

Project Name: MARCOS SPECIFIC PLAN
Permit Application Number: [Insert Permit Application Number]

PREPARER'S CERTIFICATION

I hereby declare that I am the Engineer in Responsible Charge of design of storm water best management practices (BMPs) for this project, and that I have exercised responsible charge over the design of the BMPs as defined in Section 6703 of the Business and Professions Code, and that the design is consistent with the PDP requirements of the [INSERT AGENCY NAME] BMP Design Manual, which is a design manual for compliance with local [INSERT AGENCY NAME] and regional MS4 Permit (California Regional Water Quality Control Board San Diego Region Order No. R9-2015-0100) requirements for storm water management.

I have read and understand that the [City Engineer] has adopted minimum requirements for managing urban runoff, including storm water, from land development activities, as described in the BMP Design Manual. I certify that this PDP SWQMP has been completed to the best of my ability and accurately reflects the project being proposed and the applicable BMPs proposed to minimize the potentially negative impacts of this project's land development activities on water quality. I understand and acknowledge that the plan check review of this PDP SWQMP by the [City Engineer] is confined to a review and does not relieve me, as the Engineer in Responsible Charge of design of storm water BMPs for this project, of my responsibilities for project design.

C71883 Exp 12/31/23
Engineer of Work's Signature, PE Number & Expiration Date

Kenneth T. Kozlik
Print Name

Fuscoe Engineering, Inc.
Company

5/15/2023
Date

Engineer's Seal:

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PDP SWQMP PROJECT OWNER'S CERTIFICATION PAGE – AOA SAN MARCOS, LLC

Project Name: MARCOS SPECIFIC PLAN
Permit Application Number: [Insert Permit Application Number]

PROJECT OWNER'S CERTIFICATION

This PDP SWQMP has been prepared for AOA SAN MARCOS, LLC by Fuscoe Engineering, Inc. The PDP SWQMP is intended to comply with the PDP requirements of the City of San Marcos BMP Design Manual, which is a design manual for compliance with local City of San Marcos and regional MS4 Permit (California Regional Water Quality Control Board San Diego Region Order No. R9-2015-0100) requirements for storm water management.

The undersigned, while it owns the subject property, is responsible for the implementation of the provisions of this plan. Once the undersigned transfers its interests in the property, its successor-in-interest shall bear the aforementioned responsibility to implement the best management practices (BMPs) described within this plan, including ensuring on-going operation and maintenance of structural BMPs. A signed copy of this document shall be available on the subject property into perpetuity.

_____
Project Owner's Signature

_____
Print Name

_____
Company

_____
Date

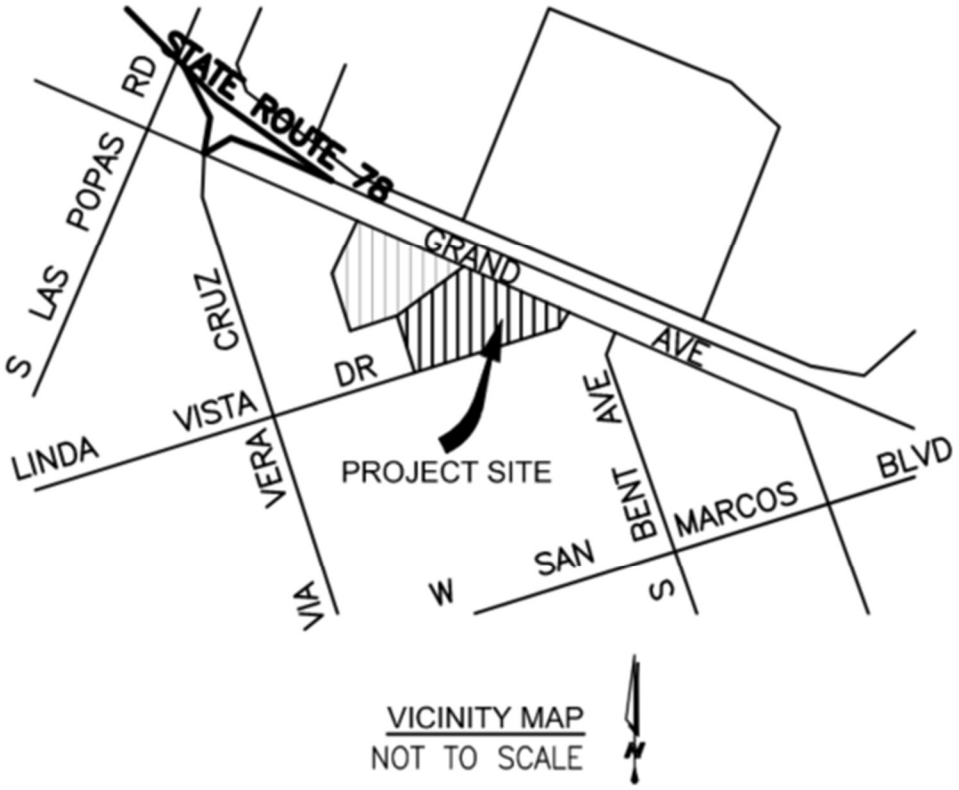
SUBMITTAL RECORD

Use this Table to keep a record of submittals of this PDP SWQMP. Each time the PDP SWQMP is re-submitted, provide the date and status of the project. In column 4 summarize the changes that have been made or indicate if response to plancheck comments is included. When applicable, insert response to plancheck comments behind this page.

Submittal Number	Date	Project Status	Summary of Changes
1	March 11, 2022	☒ Preliminary Design / Planning/ CEQA ☐ Final Design	Initial Submittal
2	October 11, 2022	☒ Preliminary Design / Planning/ CEQA ☐ Final Design	Second Submittal
3	December 19, 2022	☒ Preliminary Design / Planning/ CEQA ☐ Final Design	Third Submittal
4	March 14, 2023	☒ Preliminary Design / Planning/ CEQA ☐ Final Design	Fourth Submittal
4	May 12, 2023	☒ Preliminary Design / Planning/ CEQA ☐ Final Design	Fifth Submittal

PROJECT VICINITY MAP

Project Name: MARCOS SPECIFIC PLAN
Permit Application Number: [Insert Permit Application Number]



Applicability of Storm Water Best Management Practices (BMP) Requirements

(Storm Water Intake Form for all Development Permit Applications)
For detailed information please visit:
http://www.san-marcos.net/departments/development-services/stormwater/development-planning

Form I-1
[March 15, 2016]

Project Identification

Project Name: Marcos Specific Plan EastEnd

Description:
Proposed mixed-use development incorporating commercial and multi-family residential uses.

Permit Application Number (if applicable): | Date: 12/19/2022

Project Address: Grand Avenue and Linda Vista Drive

Determination of Requirements

This form is required as part of the City's application process. The purpose of this form is to identify potential land development planning storm water requirements that apply to development projects.

Development projects are defined as construction, rehabilitation, redevelopment, or reconstruction of any public or private projects. In addition, the identification of a development project, as it relates to storm water regulations, would truly apply to development and redevelopment activities that have the potential to contact storm water and contribute a source of pollutants, or reduce the natural absorption and infiltration abilities of the land.

To access the BMP Design Manual, Storm Water Quality Management Plan (SWQMP) templates, and other pertinent information related to this program please refer to:
http://www.san-marcos.net/departments/development-services/stormwater/development-planning

Please answer each of the following steps below, starting with Step 1 and progressing through each step until reaching "Stop".

Step	Answer	Progression
Step 1: Based on the above, Is the project a "development project" (See definition above)? See Section 1.3 of the BMP Design Manual for further guidance if necessary.	☒ Yes	Go to Step 2.
	☐ No	Permanent BMP requirements do not apply. No SWQMP will be required. Provide brief discussion below. **STOP.**
Discussion / justification if the project is not a "development project" (e.g., the project includes *only* interior remodels within an existing building):		
Step 2: Is the project a Standard Project, Priority Development Project (PDP), or exception to PDP definitions? **To answer this item, complete Form I-2, Project Type Determination. See Section 1.4 of the BMP Design Manual *in its entirety* for guidance.** **In addition to Section 1.4, please refer to the City's SWQMP Submittal Requirements form.**	☐ Standard Project	Only Standard Project requirements apply, including Standard Project SWQMP. **STOP.**
	☒ PDP	Standard and PDP requirements apply, including PDP SWQMP. **Go to Step 3 on the following page.**
	☐ Exception to PDP definitions	Standard Project requirements apply, and any additional requirements specific to the type of project. Provide discussion and list any additional requirements below. Prepare Standard Project SWQMP. **STOP.**
Discussion / justification, and additional requirements for exceptions to PDP definitions, if applicable:		

Form I-1 Page 2, Form Date: March 15, 2016		
Step 3 (PDPs only). Please answer the list of questions in this section to determine if hydromodification requirements reply to the proposed PDP. Does the project:		
Step 3a. Discharge storm water runoff directly to the Pacific Ocean?	☐ Yes	**STOP**. Hydromodification requirements do not apply.
	☒ No	Continue to Step 3b.
Step 3b. Discharge storm water runoff directly to an enclosed embayment, not within protected areas?	☐ Yes	**STOP**. Hydromodification requirements do not apply.
	☒ No	Continue to Step 3c.
Step 3c. Discharge storm water runoff directly to a water storage reservoir or lake, below spillway or normal operating level?	☐ Yes	**STOP**. Hydromodification requirements do not apply.
	☒ No	Continue to Step 3d.
Step 3d. Discharge storm water runoff directly to an area identified in WMAA?	☐ Yes	**STOP**. Hydromodification requirements do not apply.
	☒ No	Hydromodification requirements apply to the project. Go to Step 4.
Discussion / justification if hydromodification control requirements do <u>not</u> apply:		
Step 4 (PDPs subject to hydromodification control requirements only). Does protection of critical coarse sediment yield areas apply based on review of WMAA Potential Critical Coarse Sediment Yield Area Map? See Section 6.2 of the BMP Design Manual for guidance.	☐ Yes	Management measures required for protection of critical coarse sediment yield areas (Chapter 6.2). Stop.
	☒ No	Management measures not required for protection of critical coarse sediment yield areas. Provide brief discussion below. Stop. Project site is not identified as a Potential Critical Course Sediment Yield Area

Project Type Determination Checklist			Form I-2 [March 15, 2016]
Project Information			
Project Name/Description: Marcos Specific Plan EastEnd			
Permit Application Number (if applicable):			Date: 12/19/2022
Project Address: Grand Avenue and Linda Vista Drive			
Project Type Determination: Standard Project or Priority Development Project (PDP)			
The project is (select one): ☐ New Development ☒ Redevelopment			
The total proposed newly created or replaced impervious area is: 100,557 ft^2 (2.31 acres)			
Is the project in any of the following categories, (a) through (f)?			
Yes ☐	No ☒	(a)	New development projects that create 10,000 square feet or more of impervious surfaces (collectively over the entire project site). This includes commercial, industrial, residential, mixed-use, and public development projects on public or private land.
Yes ☒	No ☐	(b)	Redevelopment projects that create and/or replace 5,000 square feet or more of impervious surface (collectively over the entire project site on an existing site of 10,000 square feet or more of impervious surfaces). This includes commercial, industrial, residential, mixed-use, and public development projects on public or private land.
Yes ☒	No ☐	(c)	New and redevelopment projects that create and/or replace 5,000 square feet or more of impervious surface (collectively over the entire project site), and support one or more of the following uses: estaurants. This category is defined as a facility that sells prepared foods and drinks r consumption, including stationary lunch counters and refreshment stands selling epared foods and drinks for immediate consumption (Standard Industrial assification (SIC) code 5812). llside development projects. This category includes development on any natural ope that is twenty-five percent or greater. arking lots. This category is defined as a land area or facility for the temporary arking or storage of motor vehicles used personally, for business, or for commerce. treets, roads, highways, freeways, and driveways. This category is defined as any aved impervious surface used for the transportation of automobiles, trucks, otorcycles, and other vehicles.

Form I-2 Page 2, Form Date: March 15, 2016			
Yes ☐	No ☒	(d)	New or redevelopment projects that create and/or replace 2,500 square feet or more of impervious surface (collectively over the entire project site), and discharging directly to an Environmentally Sensitive Area (ESA). "Discharging directly to" includes flow that is conveyed overland a distance of 200 feet or less from the project to the ESA, or conveyed in a pipe or open channel any distance as an isolated flow from the project to the ESA (i.e. not commingled with flows from adjacent lands). *Note: ESAs are areas that include but are not limited to all Clean Water Act Section 303(d) impaired water bodies; areas designated as Areas of Special Biological Significance by the State Water Board and San Diego Water Board; State Water Quality Protected Areas; water bodies designated with the RARE beneficial use by the State Water Board and San Diego Water Board; and any other equivalent environmentally sensitive areas which have been identified by the Copermittees. See BMP Design Manual Section 1.4.2 for additional guidance.*
Yes ☐	No ☒	(e)	New development projects, or redevelopment projects that create and/or replace 5,000 square feet or more of impervious surface, that support one or more of the following uses: (i) Automotive repair shops. This category is defined as a facility that is categorized in any one of the following SIC codes: 5013, 5014, 5541, 7532-7534, or 7536-7539. (ii) Retail gasoline outlets (RGOs). This category includes RGOs that meet the following criteria: (a) 5,000 square feet or more or (b) a projected Average Daily Traffic (ADT) of 100 or more vehicles per day.
Yes ☒	No ☐	(f)	New or redevelopment projects that result in the disturbance of one or more acres of land and are expected to generate pollutants post construction. *Note: See BMP Design Manual Section 1.4.2 for additional guidance.*

Does the project meet the definition of one or more of the Priority Development Project categories (a) through (f) listed above?

☐ No – the project is not a Priority Development Project (Standard Project).

☒ Yes – the project is a Priority Development Project (PDP).

The following is for redevelopment PDPs only:

The area of existing (pre-project) impervious area at the project site is: 130,000 ft^2 (A)

The total proposed newly created or replaced impervious area is 320,000 ft^2 (B)

Percent impervious surface created or replaced (B/A)*100: 246%

The percent impervious surface created or replaced is (select one based on the above calculation):

☐ less than or equal to fifty percent (50%) – only new impervious areas are considered PDP

OR

☒ greater than fifty percent (50%) – the entire project site is a PDP

Site Information Checklist For PDPs	Form I-3B (PDPs) [March 15, 2016]
Project Summary Information	
Project Name	Marcos Specific Plan
Project Address	Grand Avenue and Linda Vista Drive
Assessor's Parcel Number(s) (APN(s))	219-152-42, -44, -45, -51, -61, -74, -75
Permit Application Number	
Project Hydrologic Unit	Select One: ☐ Santa Margarita 902 ☐ San Luis Rey 903 ☒ Carlsbad 904 ☐ San Dieguito 905 ☐ Penasquitos 906 ☐ San Diego 907 ☐ Pueblo San Diego 908 ☐ Sweetwater 909 ☐ Otay 910 ☐ Tijuana 911
Project Watershed (Complete Hydrologic Unit, Area, and Subarea Name with Numeric Identifier)	Carlsbad Hydrologic Unit, San Marcos Hydrologic Area, Richland Hydrologic Sub-Area, 904.52
Parcel Area (total area of Assessor's Parcel(s) associated with the project)	5.08 Acres (263,400 Square Feet)
Area to be Disturbed by the Project (Project Area)	7.02 Acres (305,880 Square Feet)
Project Proposed Impervious Area (subset of Project Area)	4.68 Acres (203,771 Square Feet)
Project Proposed Pervious Area (subset of Project Area)	1.06 Acres (45,970 Square Feet)
Note: Proposed Impervious Area + Proposed Pervious Area = Area to be Disturbed by the Project. This may be less than the Parcel Area.	

Description of Existing Site Condition

Current Status of the Site (select all that apply):

- ☐ Existing development
- ☐ Previously graded but not built out
- ☒ Demolition completed without new construction
- ☐ Agricultural or other non-impervious use
- ☐ Vacant, undeveloped/natural

Description / Additional Information:
The project site was previously developed with commercial/industrial uses. The buildings have since been demolished, but portions of building slabs and paved parking areas remain.

Existing Land Cover Includes (select all that apply):

- ☒ Vegetative Cover
- ☒ Non-Vegetated Pervious Areas
- ☒ Impervious Areas

Description / Additional Information:
The project site was previously developed with commercial/industrial uses. The buildings have since been demolished, but portions of building slabs and paved parking areas remain.

Underlying Soil belongs to Hydrologic Soil Group (select all that apply):

- ☐ NRCS Type A
- ☐ NRCS Type B
- ☒ NRCS Type C
- ☒ NRCS Type D

Approximate Depth to Groundwater (GW):

- ☐ GW Depth < 5 feet
- ☐ 5 feet < GW Depth < 10 feet
- ☐ 10 feet < GW Depth < 20 feet
- ☒ GW Depth > 20 feet

Existing Natural Hydrologic Features (select all that apply):

- ☒ Watercourses
- ☐ Seeps
- ☐ Springs
- ☐ Wetlands
- ☐ None

Description / Additional Information:

Description of Existing Site Drainage Patterns

How is storm water runoff conveyed from the site? At a minimum, this description should answer:
(1) whether existing drainage conveyance is natural or urban;
(2) Is runoff from offsite conveyed through the site? if yes, quantify all offsite drainage areas, design flows, and locations where offsite flows enter the project site, and summarize how such flows are conveyed through the site;
(3)Provide details regarding existing project site drainage conveyance network, including any existing storm drains, concrete channels, swales, detention facilities, storm water treatment facilities, natural or constructed channels; and
(4) Identify all discharge locations from the existing project site along with a summary of conveyance system size and capacity for each of the discharge locations. Provide summary of the pre-project drainage areas and design flows to each of the existing runoff discharge locations.

Describe existing site drainage patterns:

The existing site consists of development areas that were previously commercial pads but have had the buildings demolished. From an aerial view, the site visually appear flat. The channel was recently improved by the City of San Marcos (CIP Project Code 88214, "Grand Avenue Drainage / Road Improvements", IP-4826 and VWD no. 201930). The development area had new storm drain added to collect runoff from the pads and discharge into the improved channel. A bridge was constructed to link to the neighboring development site, west of this site.

The site has less defined flow paths. It appears that some of the site drains to the newly constructed storm drain outlets at nodes 300, 700 and 900 while other parts may sheet flow over the side of the channel at nodes 600 and 800. The easternmost third of the commercial site is very flat due to the concrete foundations that were left behind. While the flow paths are less definitive, it appears as though it generally flows out through sheet flow onto Linda Vista Drive. There are storm drain inlets further south down Linda Vista Drive that discharge into the same channel that bisects the project, so any runoff that leaves the project site ultimately ends up in the same channel.

Description of Proposed Site Development

Project Description / Proposed Land Use and/or Activities:

This project consists of approximately 7.02 acres near the southwest corner of the Linda Vista Drive and Grand Avenue intersection in the city of San Marcos, California. Located at the South of the channel, the site will be developed for commercial and mixed use.

List/describe proposed impervious features of the project (e.g., buildings, roadways, parking lots, courtyards, athletic courts, other impervious features):
Impervious areas will include buildings; vehicular paving in drive aisles and parking areas; and pedestrian pavement for sidewalk, bike paths, and walkways.

List/describe proposed pervious features of the project (e.g., landscape areas):
The project will include extensive landscape areas on both the commercial and residential portions of the project. Decomposed granite (DG) is also proposed for some parking spaces and walkways. As a conservative approach for BMP sizing, the DG areas were assumed to be impervious.

Does the project include grading and changes to site topography?

☒ Yes

☐ No

Description / Additional Information:
The project will be graded support drainage of the proposed project area to the storm water BMPs and the creek.

Description of Proposed Site Drainage Patterns

Does the project include changes to site drainage (e.g., installation of new storm water conveyance systems)?

☒ Yes

☐ No

If yes, provide details regarding the proposed project site drainage conveyance network, including storm drains, concrete channels, swales, detention facilities, storm water treatment facilities, natural or constructed channels, and the method for conveying offsite flows through or around the proposed project site. Identify all discharge locations from the proposed project site along with a summary of the conveyance system size and capacity for each of the discharge locations. Provide a summary of pre- and post-project drainage areas and design flows to each of the runoff discharge locations. Reference the drainage study for detailed calculations.

Describe proposed site drainage patterns::

The proposed development areas will be re-graded to ensure that the runoff is routed to the channel. Runoff will no longer be allowed to spill out onto the adjacent property to the south or out onto Linda Vista Drive. The residential site has a system of concrete swales and storm drains to collect runoff and convey it to water quality basins and/or underground detention structures for hydromodification storage before being discharged to the channel at nodes 200, 400 and 1000. The commercial site has a similar system, except that there will be no underground detention. That side of the project will have a storm drain system that outlets to the channel at nodes 300, 700 and 900.

Identify whether any of the following features, activities, and/or pollutant source areas will be present (select all that apply):

- [x] On-site storm drain inlets
- [ ] Interior floor drains and elevator shaft sump pumps
- [x] Interior parking garages
- [x] Need for future indoor & structural pest control
- [x] Landscape/Outdoor Pesticide Use
- [x] Pools, spas, ponds, decorative fountains, and other water features
- [x] Food service
- [x] Refuse areas
- [ ] Industrial processes
- [ ] Outdoor storage of equipment or materials
- [ ] Vehicle and Equipment Cleaning
- [ ] Vehicle/Equipment Repair and Maintenance
- [ ] Fuel Dispensing Areas
- [ ] Loading Docks
- [x] Fire Sprinkler Test Water
- [ ] Miscellaneous Drain or Wash Water
- [x] Plazas, sidewalks, and parking lots

Description / Additional Information:

Identification and Narrative of Receiving Water and Pollutants of Concern

Describe flow path of storm water from the project site discharge location(s), through urban storm conveyance systems as applicable, to receiving creeks, rivers, and lagoons as applicable, and ultimate discharge to the Pacific Ocean (or bay, lagoon, lake or reservoir, as applicable):
Discharge from the site enters the unnamed creek with runs southwest through the site. The creek continues to flow southwest to a confluence with San Marcos Creek just upstream of Lake San Marcos. San Marcos Creek discharges to Batiquitos Lagoon, which is tidally connected to the Pacific Ocean.

List any 303(d) impaired water bodies within the path of storm water from the project site to the Pacific Ocean (or bay, lagoon, lake or reservoir, as applicable), identify the pollutant(s)/stressor(s) causing impairment, and identify any TMDLs and/or Highest Priority Pollutants from the WQIP for the impaired water bodies:

303(d) Impaired Water Body	Pollutant(s)/Stressor(s)	TMDLs / WQIP Highest Priority Pollutant
San Marcos Creek	DDE, Phosphorous, Sediment Toxicity, Selenium	DDE, Phosphorous, Sediment Toxicity, Selenium
San Marcos Lake	Ammonia Nitrogen, Nutrients	Ammonia Nitrogen, Nutrients

Identification of Project Site Pollutants*

***Identification of project site pollutants is only required if flow-thru treatment BMPs are implemented onsite in lieu of retention or biofiltration BMPs (note the project must also participate in an alternative compliance program unless prior lawful approval to meet earlier PDP requirements is demonstrated)**

Identify pollutants expected from the project site based on all proposed use(s) of the site (see BMP Design Manual Appendix B.6):

Pollutant	Not Applicable to the Project Site	Expected from the Project Site	Also a Receiving Water Pollutant of Concern
Sediment		X	X
Nutrients		X	X
Heavy Metals		X	X
Organic Compounds		X	
Trash & Debris		X	
Oxygen Demanding Substances		X	
Oil & Grease		X	
Bacteria & Viruses		X	
Pesticides		X	

Hydromodification Management Requirements

Do hydromodification management requirements apply (see Section 1.6 of the BMP Design Manual)?

☒ Yes, hydromodification management flow control structural BMPs required.

☐ No, the project will discharge runoff directly to existing underground storm drains discharging directly to water storage reservoirs, lakes, enclosed embayments, or the Pacific Ocean.

☐ No, the project will discharge runoff directly to conveyance channels whose bed and bank are concrete-lined all the way from the point of discharge to water storage reservoirs, lakes, enclosed embayments, or the Pacific Ocean.

☐ No, the project will discharge runoff directly to an area identified as appropriate for an exemption by the WMAA for the watershed in which the project resides.

Description / Additional Information (to be provided if a 'No' answer has been selected above):

Critical Coarse Sediment Yield Areas*

***This Section only required if hydromodification management requirements apply**

Based on the maps provided within the WMAA, do potential critical coarse sediment yield areas exist within the project drainage boundaries?

☐ Yes

☒ No, No critical coarse sediment yield areas to be protected based on WMAA maps

If yes, have any of the optional analyses presented in Section 6.2 of the BMP Design Manual been performed?

☐ 6.2.1 Verification of Geomorphic Landscape Units (GLUs) Onsite

☐ 6.2.2 Downstream Systems Sensitivity to Coarse Sediment

☐ 6.2.3 Optional Additional Analysis of Potential Critical Coarse Sediment Yield Areas Onsite

☐ No optional analyses performed, the project will avoid critical coarse sediment yield areas identified based on WMAA maps

If optional analyses were performed, what is the final result?

☐ No critical coarse sediment yield areas to be protected based on verification of GLUs onsite

☐ Critical coarse sediment yield areas exist but additional analysis has determined that protection is not required. Documentation attached in Attachment 2.b of the SWQMP.

☐ Critical coarse sediment yield areas exist and require protection. The project will implement management measures described in Sections 6.2.4 and 6.2.5 as applicable, and the areas are identified on the SWQMP Exhibit.

Discussion / Additional Information:

Flow Control for Post-Project Runoff*

***This Section only required if hydromodification management requirements apply**

List and describe point(s) of compliance (POCs) for flow control for hydromodification management (see Section 6.3.1). For each POC, provide a POC identification name or number correlating to the project's HMP Exhibit and a receiving channel identification name or number correlating to the project's HMP Exhibit.

Has a geomorphic assessment been performed for the receiving channel(s)?

☐ No, the low flow threshold is 0.1Q2 (default low flow threshold)

☐ Yes, the result is the low flow threshold is 0.1Q2

☐ Yes, the result is the low flow threshold is 0.3Q2

☒ Yes, the result is the low flow threshold is 0.5Q2

If a geomorphic assessment has been performed, provide title, date, and preparer:
The receiving channel has been restored and is an actively managed conservation area, which will ensure erosion impacts will be minimal.

Discussion / Additional Information: (optional)

Other Site Requirements and Constraints

When applicable, list other site requirements or constraints that will influence storm water management design, such as zoning requirements including setbacks and open space, or local codes governing minimum street width, sidewalk construction, allowable pavement types, and drainage requirements.

Optional Additional Information or Continuation of Previous Sections As Needed

This space provided for additional information or continuation of information from previous sections as needed.

Source Control BMP Checklist for All Development Projects (Standard Projects and Priority Development Projects)	Form I-4 [March 15, 2016]

Project Identification

Project Name: Marcos Specific Plan

Permit Application Number

Source Control BMPs

All development projects must implement source control BMPs SC-1 through SC-6 where applicable and feasible. See Chapter 4 and Appendix E of the Model BMP Design Manual for information to implement source control BMPs shown in this checklist.

Answer each category below pursuant to the following.

- "Yes" means the project will implement the source control BMP as described in Chapter 4 and/or Appendix E of the Model BMP Design Manual. Discussion / justification is not required.
- "No" means the BMP is applicable to the project but it is not feasible to implement. Discussion / justification must be provided.
- "N/A" means the BMP is not applicable at the project site because the project does not include the feature that is addressed by the BMP (e.g., the project has no outdoor materials storage areas). Discussion / justification may be provided.

Source Control Requirement	Applied?		
SC-1 Prevention of Illicit Discharges into the MS4	☒ Yes	☐ No	☐ N/A
Discussion / justification if SC-1 not implemented:			
SC-2 Storm Drain Stenciling or Signage	☒ Yes	☐ No	☐ N/A
Discussion / justification if SC-2 not implemented:			
SC-3 Protect Outdoor Materials Storage Areas from Rainfall, Run-On, Runoff, and Wind Dispersal	☐ Yes	☐ No	☒ N/A
Discussion / justification if SC-3 not implemented:			
SC-4 Protect Materials Stored in Outdoor Work Areas from Rainfall, Run-On, Runoff, and Wind Dispersal	☒ Yes	☐ No	☐ N/A
Discussion / justification if SC-4 not implemented:			

Form I-4 Page 2 of 2, Form Date: March 15, 2016			
Source Control Requirement	**Applied?**		
SC-5 Protect Trash Storage Areas from Rainfall, Run-On, Runoff, and Wind Dispersal	☒ Yes	☐ No	☐ N/A
Discussion / justification if SC-5 not implemented:			
SC-6 Additional BMPs Based on Potential Sources of Runoff Pollutants (must answer for each source listed below)			
☐ On-site storm drain inlets	☒ Yes	☐ No	☐ N/A
☐ Interior floor drains and elevator shaft sump pumps	☐ Yes	☐ No	☒ N/A
☐ Interior parking garages	☒ Yes	☐ No	☐ N/A
☐ Need for future indoor & structural pest control	☒ Yes	☐ No	☐ N/A
☐ Landscape/Outdoor Pesticide Use	☒ Yes	☐ No	☐ N/A
☐ Pools, spas, ponds, decorative fountains, and other water features	☒ Yes	☐ No	☐ N/A
☐ Food service	☒ Yes	☐ No	☐ N/A
☐ Refuse areas	☒ Yes	☐ No	☐ N/A
☐ Industrial processes	☐ Yes	☐ No	☒ N/A
☐ Outdoor storage of equipment or materials	☐ Yes	☐ No	☒ N/A
☐ Vehicle and Equipment Cleaning	☐ Yes	☐ No	☒ N/A
☐ Vehicle/Equipment Repair and Maintenance	☐ Yes	☐ No	☒ N/A
☐ Fuel Dispensing Areas	☐ Yes	☐ No	☒ N/A
☐ Loading Docks	☐ Yes	☐ No	☒ N/A
☐ Fire Sprinkler Test Water	☒ Yes	☐ No	☐ N/A
☐ Miscellaneous Drain or Wash Water	☐ Yes	☐ No	☒ N/A
☐ Plazas, sidewalks, and parking lots	☒ Yes	☐ No	☐ N/A
Discussion / justification if SC-6 not implemented. Clearly identify which sources of runoff pollutants are discussed. Justification must be provided for all "No" answers shown above.			

Site Design BMP Checklist for All Development Projects (Standard Projects and Priority Development Projects)	Form I-5 [March 15, 2016]

Project Identification

Project Name – Marcos Specific Plan

Permit Application Number

Site Design BMPs

All development projects must implement site design BMPs SD-1 through SD-8 where applicable and feasible. See Chapter 4 and Appendix E of the Model BMP Design Manual for information to implement site design BMPs shown in this checklist.

Answer each category below pursuant to the following.

- "Yes" means the project will implement the site design BMP as described in Chapter 4 and/or Appendix E of the Model BMP Design Manual. Discussion / justification is not required.
- "No" means the BMP is applicable to the project but it is not feasible to implement. Discussion / justification must be provided.
- "N/A" means the BMP is not applicable at the project site because the project does not include the feature that is addressed by the BMP (e.g., the project site has no existing natural areas to conserve). Discussion / justification may be provided.

Site Design Requirement	Applied?		
SD-1 Maintain Natural Drainage Pathways and Hydrologic Features	☒ Yes	☐ No	☐ N/A
Discussion / justification if SD-1 not implemented:			
SD-2 Conserve Natural Areas, Soils, and Vegetation	☐ Yes	☐ No	☒ N/A
Discussion / justification if SD-2 not implemented: Site was previously disturbed.			
SD-3 Minimize Impervious Area	☒ Yes	☐ No	☐ N/A
Discussion / justification if SD-3 not implemented:			
SD-4 Minimize Soil Compaction	☒ Yes	☐ No	☐ N/A
Discussion / justification if SD-4 not implemented:			
SD-5 Impervious Area Dispersion	☒ Yes	☐ No	☐ N/A
Discussion / justification if SD-5 not implemented:			

Form I-5 Page 2 of 2, Form Date: March 15, 2016			
Site Design Requirement	**Applied?**		
SD-6 Runoff Collection	☒ Yes	☐ No	☐ N/A
Discussion / justification if SD-6 not implemented:			
SD-7 Landscaping with Native or Drought Tolerant Species	☒ Yes	☐ No	☐ N/A
Discussion / justification if SD-7 not implemented:			
SD-8 Harvesting and Using Precipitation	☐ Yes	☒ No	☐ N/A
Discussion / justification if SD-8 not implemented: Harvest and reuse of stormwater is not feasible since irrigation demand will be low following rain events and native/low water use plants will be used.			

Summary of PDP Structural BMPs	Form I-6 (PDPs) [March 15, 2016]

Project Identification

Project Name – Marcos Specific Plan

Permit Application Number

PDP Structural BMPs

All PDPs must implement structural BMPs for storm water pollutant control (see Chapter 5 of the BMP Design Manual). Selection of PDP structural BMPs for storm water pollutant control must be based on the selection process described in Chapter 5. PDPs subject to hydromodification management requirements must also implement structural BMPs for flow control for hydromodification management (see Chapter 6 of the BMP Design Manual). Both storm water pollutant control and flow control for hydromodification management can be achieved within the same structural BMP(s).

PDP structural BMPs must be verified by the local jurisdiction at the completion of construction. This may include requiring the project owner or project owner's representative and engineer of record to certify construction of the structural BMPs (see Section 1.12 of the BMP Design Manual). PDP structural BMPs must be maintained into perpetuity, and the local jurisdiction must confirm the maintenance (see Section 7 of the BMP Design Manual).

Use this form to provide narrative description of the general strategy for structural BMP implementation at the project site in the box below. Then complete the PDP structural BMP summary information sheet (page 3 of this form) for each structural BMP within the project (copy the BMP summary information page as many times as needed to provide summary information for each individual structural BMP).

Describe the general strategy for structural BMP implementation at the site. This information must describe how the steps for selecting and designing storm water pollutant control BMPs presented in Section 5.1 of the BMP Design Manual were followed, and the results (type of BMPs selected). For projects requiring hydromodification flow control BMPs, indicate whether pollutant control and flow control BMPs are integrated or separate.

Based on the geotechnical investigation, percolation rates at the site are very low. Therefore, infiltration BMPs are considered infeasible. Biofiltration BMPs were selected for the majority of the site as the highest performing BMPs that are feasible. Runoff will be collected in gutters, cross gutters, and shallow storm drain, which will direct the runoff to the biofiltration BMPs. The biofiltration BMPs have been sized for both pollutant control and hydromodification mitigation.

EPA SWMM was used to model the BMPs for hydromodification mitigation requirements.

The project street frontages on Grand Avenue and Linda Vista Drive will be treated utilizing Green Street features. The frontage improvements on Grand Avenue include addition of a sidewalk and bike path separated from Grand Avenue by a landscaped parkway. The sidewalk and bike path will be sloped to the landscaped parkway which will include street trees where allowed by sight distance constraints. This landscaped parkway and street trees will provide retention and pollutant removal of runoff from the sidewalk and bike path in accordance with Green Street guidance. Grand Avenue itself will remain undisturbed.

The frontage improvements on Linda Vista Drive also include a sidewalk and bike path, with the addition of landscaped pop outs adjacent to the driveways and interspersed among the parallel parking spaces.

(Page reserved for continuation of description of general strategy for structural BMP implementation at the site)

(Continued from page 1)

These landscaped pop outs will include curb cuts and energy dissipators to accept runoff from Linda Vista Drive. They will also accept runoff from the adjacent sidewalk and bike path. The landscaped pop outs will provide opportunities for retention and treatment of the stormwater runoff. The landscaped pop outs will include street trees where allowed by sight distance constraints. High flows will continue to flow down Linda Vista Drive via a curb cut at the downstream end of the pop outs.

Structural BMP Summary Information
(Copy this page as needed to provide information for each individual proposed structural BMP)

Structural BMP ID No. BMP A1

Construction Plan Sheet No.

Type of structural BMP:
- ☐ Retention by harvest and use (HU-1)
- ☐ Retention by infiltration basin (INF-1)
- ☐ Retention by bioretention (INF-2)
- ☐ Retention by permeable pavement (INF-3)
- ☐ Partial retention by biofiltration with partial retention (PR-1)
- X☐ Biofiltration (BF-1)
- ☐ Biofiltration with Nutrient Sensitive Media Design (BF-2)
- ☐ Proprietary Biofiltration (BF-3) meeting all requirements of Appendix F
- ☐ Flow-thru treatment control with prior lawful approval to meet earlier PDP requirements (provide BMP type/description in discussion section below)
- ☐ Flow-thru treatment control included as pre-treatment/forebay for an onsite retention or biofiltration BMP (provide BMP type/description and indicate which onsite retention or biofiltration BMP it serves in discussion section below)
- ☐ Flow-thru treatment control with alternative compliance (provide BMP type/description in discussion section below)
- ☐ Detention pond or vault for hydromodification management
- ☐ Other (describe in discussion section below)

Purpose:
- ☐ Pollutant control only
- ☐ Hydromodification control only
- X☐ Combined pollutant control and hydromodification control
- ☐ Pre-treatment/forebay for another structural BMP
- ☐ Other (describe in discussion section below)

Who will certify construction of this BMP? Provide name and contact information for the party responsible to sign BMP verification forms if required by the [City Engineer] (See Section 1.12 of the BMP Design Manual)	Kenneth T. Kozlik, PE Fuscoe Engineering, Inc. 6390 Greenwich Drive, Suite 170 San Diego, CA 92122 kkozlik@fuscoe.com
Who will be the final owner of this BMP?	AOA San Marcos, LLC
Who will maintain this BMP into perpetuity?	AOA San Marcos, LLC
What is the funding mechanism for maintenance?	Private

Form I-6 Page 4 of X (Copy as many as needed) , Form Date: March 15, 2016
Structural BMP ID No. BMP A1
Construction Plan Sheet No.
Discussion (as needed):

Structural BMP Summary Information
(Copy this page as needed to provide information for each individual proposed structural BMP)

Structural BMP ID No. BMP B1

Construction Plan Sheet No.

Type of structural BMP:
- ☐ Retention by harvest and use (HU-1)
- ☐ Retention by infiltration basin (INF-1)
- ☐ Retention by bioretention (INF-2)
- ☐ Retention by permeable pavement (INF-3)
- ☐ Partial retention by biofiltration with partial retention (PR-1)
- X☐ Biofiltration (BF-1)
- ☐ Biofiltration with Nutrient Sensitive Media Design (BF-2)
- ☐ Proprietary Biofiltration (BF-3) meeting all requirements of Appendix F
- ☐ Flow-thru treatment control with prior lawful approval to meet earlier PDP requirements (provide BMP type/description in discussion section below)
- ☐ Flow-thru treatment control included as pre-treatment/forebay for an onsite retention or biofiltration BMP (provide BMP type/description and indicate which onsite retention or biofiltration BMP it serves in discussion section below)
- ☐ Flow-thru treatment control with alternative compliance (provide BMP type/description in discussion section below)
- ☐ Detention pond or vault for hydromodification management
- ☐ Other (describe in discussion section below)

Purpose:
- ☐ Pollutant control only
- ☐ Hydromodification control only
- X☐ Combined pollutant control and hydromodification control
- ☐ Pre-treatment/forebay for another structural BMP
- ☐ Other (describe in discussion section below)

Who will certify construction of this BMP? Provide name and contact information for the party responsible to sign BMP verification forms if required by the [City Engineer] (See Section 1.12 of the BMP Design Manual)	Kenneth T. Kozlik, PE Fuscoe Engineering, Inc. 6390 Greenwich Drive, Suite 170 San Diego, CA 92122 kkozlik@fuscoe.com
Who will be the final owner of this BMP?	AOA San Marcos, LLC
Who will maintain this BMP into perpetuity?	AOA San Marcos, LLC
What is the funding mechanism for maintenance?	Private

Form I-6 Page 6 of X (Copy as many as needed) , Form Date: March 15, 2016
Structural BMP ID No. BMP B1
Construction Plan Sheet No.
Discussion (as needed):

Structural BMP Summary Information
(Copy this page as needed to provide information for each individual proposed structural BMP)

Structural BMP ID No. BMP B2

Construction Plan Sheet No.

Type of structural BMP:
- ☐ Retention by harvest and use (HU-1)
- ☐ Retention by infiltration basin (INF-1)
- ☐ Retention by bioretention (INF-2)
- ☐ Retention by permeable pavement (INF-3)
- ☐ Partial retention by biofiltration with partial retention (PR-1)
- X☐ Biofiltration (BF-1)
- ☐ Biofiltration with Nutrient Sensitive Media Design (BF-2)
- ☐ Proprietary Biofiltration (BF-3) meeting all requirements of Appendix F
- ☐ Flow-thru treatment control with prior lawful approval to meet earlier PDP requirements (provide BMP type/description in discussion section below)
- ☐ Flow-thru treatment control included as pre-treatment/forebay for an onsite retention or biofiltration BMP (provide BMP type/description and indicate which onsite retention or biofiltration BMP it serves in discussion section below)
- ☐ Flow-thru treatment control with alternative compliance (provide BMP type/description in discussion section below)
- ☐ Detention pond or vault for hydromodification management
- ☐ Other (describe in discussion section below)

Purpose:
- ☐ Pollutant control only
- ☐ Hydromodification control only
- X☐ Combined pollutant control and hydromodification control
- ☐ Pre-treatment/forebay for another structural BMP
- ☐ Other (describe in discussion section below)

Who will certify construction of this BMP? Provide name and contact information for the party responsible to sign BMP verification forms if required by the [City Engineer] (See Section 1.12 of the BMP Design Manual)	Kenneth T. Kozlik, PE Fuscoe Engineering, Inc. 6390 Greenwich Drive, Suite 170 San Diego, CA 92122 kkozlik@fuscoe.com
Who will be the final owner of this BMP?	AOA San Marcos, LLC
Who will maintain this BMP into perpetuity?	AOA San Marcos, LLC
What is the funding mechanism for maintenance?	Private

Form I-6 Page 8 of X (Copy as many as needed) , Form Date: March 15, 2016
Structural BMP ID No. BMP B2
Construction Plan Sheet No.
Discussion (as needed):

Structural BMP Summary Information
(Copy this page as needed to provide information for each individual proposed structural BMP)

Structural BMP ID No. BMP B3

Construction Plan Sheet No.

Type of structural BMP:
- ☐ Retention by harvest and use (HU-1)
- ☐ Retention by infiltration basin (INF-1)
- ☐ Retention by bioretention (INF-2)
- ☐ Retention by permeable pavement (INF-3)
- ☐ Partial retention by biofiltration with partial retention (PR-1)
- X☐ Biofiltration (BF-1)
- ☐ Biofiltration with Nutrient Sensitive Media Design (BF-2)
- ☐ Proprietary Biofiltration (BF-3) meeting all requirements of Appendix F
- ☐ Flow-thru treatment control with prior lawful approval to meet earlier PDP requirements (provide BMP type/description in discussion section below)
- ☐ Flow-thru treatment control included as pre-treatment/forebay for an onsite retention or biofiltration BMP (provide BMP type/description and indicate which onsite retention or biofiltration BMP it serves in discussion section below)
- ☐ Flow-thru treatment control with alternative compliance (provide BMP type/description in discussion section below)
- ☐ Detention pond or vault for hydromodification management
- ☐ Other (describe in discussion section below)

Purpose:
- ☐ Pollutant control only
- ☐ Hydromodification control only
- X☐ Combined pollutant control and hydromodification control
- ☐ Pre-treatment/forebay for another structural BMP
- ☐ Other (describe in discussion section below)

Who will certify construction of this BMP? Provide name and contact information for the party responsible to sign BMP verification forms if required by the [City Engineer] (See Section 1.12 of the BMP Design Manual)	Kenneth T. Kozlik, PE Fuscoe Engineering, Inc. 6390 Greenwich Drive, Suite 170 San Diego, CA 92122 kkozlik@fuscoe.com
Who will be the final owner of this BMP?	AOA San Marcos, LLC
Who will maintain this BMP into perpetuity?	AOA San Marcos, LLC
What is the funding mechanism for maintenance?	Private

Form I-6 Page 10 of X (Copy as many as needed) , Form Date: March 15, 2016
Structural BMP ID No. BMP B3
Construction Plan Sheet No.
Discussion (as needed):

Structural BMP Summary Information
(Copy this page as needed to provide information for each individual proposed structural BMP)

Structural BMP ID No. BMP B4

Construction Plan Sheet No.

Type of structural BMP:
- ☐ Retention by harvest and use (HU-1)
- ☐ Retention by infiltration basin (INF-1)
- ☐ Retention by bioretention (INF-2)
- ☐ Retention by permeable pavement (INF-3)
- ☐ Partial retention by biofiltration with partial retention (PR-1)
- X ☐ Biofiltration (BF-1)
- ☐ Biofiltration with Nutrient Sensitive Media Design (BF-2)
- ☐ Proprietary Biofiltration (BF-3) meeting all requirements of Appendix F
- ☐ Flow-thru treatment control with prior lawful approval to meet earlier PDP requirements (provide BMP type/description in discussion section below)
- ☐ Flow-thru treatment control included as pre-treatment/forebay for an onsite retention or biofiltration BMP (provide BMP type/description and indicate which onsite retention or biofiltration BMP it serves in discussion section below)
- ☐ Flow-thru treatment control with alternative compliance (provide BMP type/description in discussion section below)
- ☐ Detention pond or vault for hydromodification management
- ☐ Other (describe in discussion section below)

Purpose:
- ☐ Pollutant control only
- ☐ Hydromodification control only
- X ☐ Combined pollutant control and hydromodification control
- ☐ Pre-treatment/forebay for another structural BMP
- ☐ Other (describe in discussion section below)

Who will certify construction of this BMP? Provide name and contact information for the party responsible to sign BMP verification forms if required by the [City Engineer] (See Section 1.12 of the BMP Design Manual)	Kenneth T. Kozlik, PE Fuscoe Engineering, Inc. 6390 Greenwich Drive, Suite 170 San Diego, CA 92122 kkozlik@fuscoe.com
Who will be the final owner of this BMP?	AOA San Marcos, LLC
Who will maintain this BMP into perpetuity?	AOA San Marcos, LLC
What is the funding mechanism for maintenance?	Private

Form I-6 Page 12 of X (Copy as many as needed) , Form Date: March 15, 2016
Structural BMP ID No. BMP B4
Construction Plan Sheet No.
Discussion (as needed):

Structural BMP Summary Information
(Copy this page as needed to provide information for each individual proposed structural BMP)

Structural BMP ID No. BMP D1

Construction Plan Sheet No.

Type of structural BMP:
- ☐ Retention by harvest and use (HU-1)
- ☐ Retention by infiltration basin (INF-1)
- ☐ Retention by bioretention (INF-2)
- ☐ Retention by permeable pavement (INF-3)
- ☐ Partial retention by biofiltration with partial retention (PR-1)
- X ☐ Biofiltration (BF-1)
- ☐ Biofiltration with Nutrient Sensitive Media Design (BF-2)
- ☐ Proprietary Biofiltration (BF-3) meeting all requirements of Appendix F
- ☐ Flow-thru treatment control with prior lawful approval to meet earlier PDP requirements (provide BMP type/description in discussion section below)
- ☐ Flow-thru treatment control included as pre-treatment/forebay for an onsite retention or biofiltration BMP (provide BMP type/description and indicate which onsite retention or biofiltration BMP it serves in discussion section below)
- ☐ Flow-thru treatment control with alternative compliance (provide BMP type/description in discussion section below)
- ☐ Detention pond or vault for hydromodification management
- ☐ Other (describe in discussion section below)

Purpose:
- X ☐ Pollutant control only
- ☐ Hydromodification control only
- ☐ Combined pollutant control and hydromodification control
- ☐ Pre-treatment/forebay for another structural BMP
- ☐ Other (describe in discussion section below)

Who will certify construction of this BMP? Provide name and contact information for the party responsible to sign BMP verification forms if required by the [City Engineer] (See Section 1.12 of the BMP Design Manual)	Kenneth T. Kozlik, PE Fuscoe Engineering, Inc. 6390 Greenwich Drive, Suite 170 San Diego, CA 92122 kkozlik@fuscoe.com
Who will be the final owner of this BMP?	AOA San Marcos, LLC
Who will maintain this BMP into perpetuity?	AOA San Marcos, LLC
What is the funding mechanism for maintenance?	Private

Form I-6 Page 14 of X (Copy as many as needed) , Form Date: March 15, 2016
Structural BMP ID No. BMP D1
Construction Plan Sheet No.
Discussion (as needed):

Form I-6 Page 15 of X (Copy as many as needed) Form Date: March 15, 2016	
Structural BMP Summary Information **(Copy this page as needed to provide information for each individual proposed structural BMP)**	
Structural BMP ID No. BMP D1-DET	
Construction Plan Sheet No.	
Type of structural BMP: ☐ Retention by harvest and use (HU-1) ☐ Retention by infiltration basin (INF-1) ☐ Retention by bioretention (INF-2) ☐ Retention by permeable pavement (INF-3) ☐ Partial retention by biofiltration with partial retention (PR-1) ☐ Biofiltration (BF-1) ☐ Biofiltration with Nutrient Sensitive Media Design (BF-2) ☐ Proprietary Biofiltration (BF-3) meeting all requirements of Appendix F ☐ Flow-thru treatment control with prior lawful approval to meet earlier PDP requirements (provide BMP type/description in discussion section below) ☐ Flow-thru treatment control included as pre-treatment/forebay for an onsite retention or biofiltration BMP (provide BMP type/description and indicate which onsite retention or biofiltration BMP it serves in discussion section below) ☐ Flow-thru treatment control with alternative compliance (provide BMP type/description in discussion section below) ☒ Detention pond or vault for hydromodification management ☐ Other (describe in discussion section below)	
Purpose: ☐ Pollutant control only ☒ Hydromodification control only ☐ Combined pollutant control and hydromodification control ☐ Pre-treatment/forebay for another structural BMP ☒ Other: 100-Year Detention	
Who will certify construction of this BMP? Provide name and contact information for the party responsible to sign BMP verification forms if required by the [City Engineer] (See Section 1.12 of the BMP Design Manual)	Kenneth T. Kozlik, PE Fuscoe Engineering, Inc. 6390 Greenwich Drive, Suite 170 San Diego, CA 92122 kkozlik@fuscoe.com
Who will be the final owner of this BMP?	AOA San Marcos, LLC
Who will maintain this BMP into perpetuity?	AOA San Marcos, LLC
What is the funding mechanism for maintenance?	Private

Form I-6 Page 16 of X (Copy as many as needed) , Form Date: March 15, 2016
Structural BMP ID No. BMP D1-DET
Construction Plan Sheet No.
Discussion (as needed): BMP D1-DET is an underground detention vault that will be utilized for hydromodification control and peak 100-year detention. Outflow from the detention vault will be controlled by a riser with orifice control. BMP D1-DET is located downstream of biofiltration basin BMP D-1, which will provide pollutant control treatment for DMA D1.

ATTACHMENT 1
BACKUP FOR PDP POLLUTANT CONTROL BMPS

This is the cover sheet for Attachment 1.

Indicate which Items are Included behind this cover sheet:

Attachment Sequence	Contents	Checklist
Attachment 1a	DMA Exhibit (Required) See DMA Exhibit Checklist on the back of this Attachment cover sheet.	☐ Included
Attachment 1b	Tabular Summary of DMAs Showing DMA ID matching DMA Exhibit, DMA Area, and DMA Type (Required)* *Provide table in this Attachment OR on DMA Exhibit in Attachment 1a	☐ Included on DMA Exhibit in Attachment 1a ☐ Included as Attachment 1b, separate from DMA Exhibit
Attachment 1c	Form I-7, Harvest and Use Feasibility Screening Checklist (Required unless the entire project will use infiltration BMPs) Refer to Appendix B.3-1 of the BMP Design Manual to complete Form I-7.	☐ Included ☐ Not included because the entire project will use infiltration BMPs
Attachment 1d	Form I-8, Categorization of Infiltration Feasibility Condition (Required unless the project will use harvest and use BMPs) Refer to Appendices C and D of the BMP Design Manual to complete Form I-8.	☐ Included ☐ Not included because the entire project will use harvest and use BMPs
Attachment 1e	Pollutant Control BMP Design Worksheets / Calculations (Required) Refer to Appendices B and E of the BMP Design Manual for structural pollutant control BMP design guidelines	☐ Included

Use this checklist to ensure the required information has been included on the DMA Exhibit:

The DMA Exhibit must identify:

- ☐ Underlying hydrologic soil group
- ☐ Approximate depth to groundwater
- ☐ Existing natural hydrologic features (watercourses, seeps, springs, wetlands)
- ☐ Critical coarse sediment yield areas to be protected
- ☐ Existing topography and impervious areas
- ☐ Existing and proposed site drainage network and connections to drainage offsite
- ☐ Proposed demolition
- ☐ Proposed grading
- ☐ Proposed impervious features
- ☐ Proposed design features and surface treatments used to minimize imperviousness
- ☐ Drainage management area (DMA) boundaries, DMA ID numbers, and DMA areas (square footage or acreage), and DMA type (i.e., drains to BMP, self-retaining, or self-mitigating)
- ☐ Potential pollutant source areas and corresponding required source controls (see Chapter 4, Appendix E.1, and Form I-3B)
- ☐ Structural BMPs (identify location, type of BMP, and size/detail)

Area Breakdown		
Total Site Area	305,880	7.02
Existing Impervious	103,214	2.37
Proposed Impervious	203,771	4.68
Added Impervious	100,557	2.31
Existing Pervious	202,666	4.65
Proposed Pervious*	45,970	1.06
% Increase	97%	

LEGEND

- POC
- BUILDING
- ASPHALT PAVEMENT
- CONCRETE
- LANDSCAPE
- BIOFILTRATION BASIN
- LONGEST FLOW PATH
- DMA LIMITS
- SOIL TYPE C
- SOIL TYPE D

DATUM NOTE

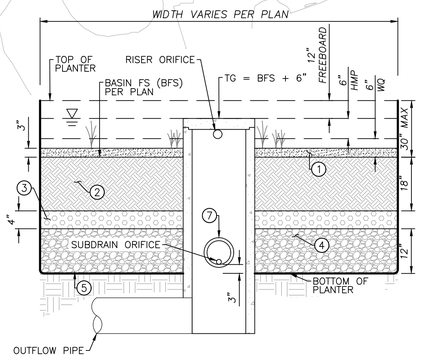
ELEVATIONS SHOWN HEREON ARE PER NGVD 29 DATUM. CONVERSION TO NAVD 88 DATUM IS +2.31 FT.

BMP A1 541.95FS
DMA A1
DMA B2
BMP B2 541.40FS
DMA B4
BMP B4 542.00FS
BMP B1 539.50FS
DMA B1
BMP D1-DET UNDERGROUND DETENTION W/ 1.5" ORIFICE AT BOTTOM, 6" ORIFICE AT 2.5'
BMP B3 541.50FS
DMA B3
DMA D1
BMP D1 538.90FS

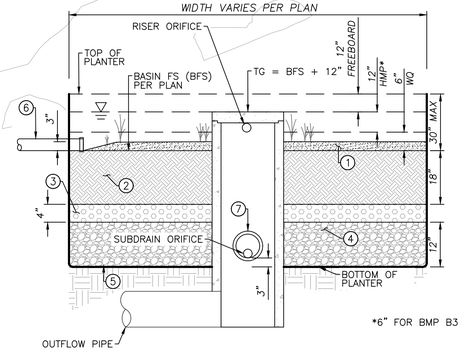
30' 0' 10' 20' 30' 60'
SCALE: 1" = 30'

DMA SUMMARY

DMA									BMP					
DMA ID	IMPERVIOUS		PERVIOUS		TOTAL AREA		PERCENT IMPERVIOUS	WEIGHTED RUNOFF FACTOR	DMA TYPE	BMP ID	BMP TYPE	SIZING		Subdrain Orifice Size (in)	Riser Orifice Size (in)
	(SF)	(AC)	(SF)	(AC)	(SF)	(AC)						PROVIDED	UNIT		
DMA A1	19,243	0.44	5,424	0.12	24,667	0.57	78%	0.72	FLOWS TO BMP-A1	BMP A1	BIOFILTRATION	575	sf	3	3
DMA B1	26,031	0.60	8,976	0.21	35,007	0.80	74%	0.69	FLOWS TO BMP-B1	BMP B1	BIOFILTRATION	794	sf	1	2
DMA B2	66,616	1.53	11,526	0.26	78,142	1.79	85%	0.78	FLOWS TO BMP-B2	BMP B2	BIOFILTRATION	2,050	sf	1	2
DMA B3	16,158	0.37	3,805	0.09	19,963	0.46	81%	0.75	FLOWS TO BMP-B3	BMP B3	BIOFILTRATION	510	sf	1	2
DMA B4	25,135	0.58	7,398	0.17	32,533	0.75	77%	0.72	FLOWS TO BMP-B4	BMP B4	BIOFILTRATION	930	sf	1	2
DMA D1	50,588	1.16	8,841	0.20	59,429	1.36	85%	0.78	FLOWS TO BMP-D1	BMP D1	BIOFILTRATION	1,450	sf	N/A	N/A
										BMP D1-DET	CISTERN	5,250	cf	1.5	6" @ 2.5'
Total	**203,771**	**4.68**	**45,970**	**1.06**	**249,741**	**5.73**		-	-						



BIOFILTRATION/PLANTER DETAIL
(BMPS A1 AND D1)



BIOFILTRATION/PLANTER DETAIL
(BMPS B1-B4)

DETAIL NOTES:

1. OPTIONAL 3" OF WELL-AGED, SHREDDED HARDWOOD MULCH. PROPOSED LANDSCAPING SHOULD BE DROUGHT TOLERANT
2. 18" MEDIA LAYER OF LOAMY SAND TYPE SOIL W/ MIN. FILTRATION RATE = 5 IN/HR. SOIL MEDIA SHALL MEET THE CITY OF SAN DIEGO STORM WATER STANDARDS MANUAL, BIOFILTRATION SOIL MEDIA SPECIFICATION PROVIDED IN APPENDIX F.4 OR COUNTY OF SAN DIEGO LOW IMPACT DEVELOPMENT HANDBOOK: APPENDIX C-BIORETENTION SOIL SPECIFICATION (JUNE 2014, UNLESS SUPERSEDED BY MORE RECENT EDITION).
3. 4" WASHED PEA GRAVEL FILTER COURSE LAYER
4. 12" CLASS 2 PERMEABLE PER CALTRANS SPECIFICATION 68-1.025 WASHED, OPEN-GRADED CRUSHED ROCK AGGREGATE STORAGE LAYER WITH 40% VOID RATIO
5. BOTH SIDES AND BOTTOM OF BIOFILTRATION PLANTER SHALL BE LINED WITH 30 MIL THICK PVC LINER. PROVIDE 18" OVERLAPPED, THERMAL WELDED SEAMS AT ALL SEAMS. PLACE NON-WOVEN FILTER FABRIC (MIRAFI 140N OR EQUAL) ON EITHER SIDE OF PVC LINER TO PROTECT LINER FROM PUNCTURE ON ALL SIDES, "SANDWICHING" THE PVC LINER WITH A FABRIC CUSHION.
6. 4" PVC EQUALIZATION PIPE @ 0% SLOPE FOR LINEAR BIOFILTRATIONS IF APPLICABLE
7. 6" PERFORATED PIPES @ +3" BOTTOM OF PLANTER WITH CLEANOUTS AND SUBDRAIN ORIFICE

MARCOS

DMA EXHIBIT

FUSCOE ENGINEERING
6390 Greenwich Dr., Suite 170
San Diego, California 92122
tel 858.554.1500 ◦ fax 858.597.0335
www.fuscoe.com

JOB NO. 1960-001
DRAWN BY: KW/KK
SHEET 1 of 1

F:\PROJECTS\1960\001_SUPPORT FILES\REPORTS\SWDMP\DMA Exhibit (DAT).DWG (05-12-2023 4:08:32PM) Plotted by: kkoura

Toliet and Urinal Water Usage per Resident or Employee						
Land Use Type	Toliet User Unit of Normalization	Toliet Flushing	Per Capita Use per Day		Water Efficient Factor	Total Use per Resident or Employee
			Urinals	Visitor Factor		
Retail	Employee (non-vistor)	9.0	2.11	1.4	0.5	7

Dwelling Units	-	units
Resident per Unit	-	Employee (non-vistor)
Toliet and Urinal Demand	-	cubic - feet / day
36 hr. Demand	-	cubic - feet
DCV	11,630	cubic - feet
36 hr. Demand ≥ DCV	No	
DCV > 36 hr. Demand > 0.25DCV	No	
36 hr. Demand < 0.25DCV	Yes	
Harvest Use:	Not Feasible	

Harvest and use is considered to be infeasible

Planning Level Irrigation Demand by Plant Factor and Landscape Type		
General Landscape Type	**36-Hour Planning Level Irrigation Demand**	**Units**
Hydrozone - Moderate Plant Water Use	1,470	gal /acre / 36 hrs
Proposed Planted Area	1.63	acres
36 hr. Demand	320	cubic - feet
DCV	11,630	cubic - feet
36 hr. Demand ≥ DCV	No	
DCV > 36 hr. Demand > 0.25DCV	No	
36 hr. Demand < 0.25DCV	Yes	
Harvest Use:	Not Feasible	

Harvest and use is considered to be infeasible

Categorization of Infiltration Feasibility Condition — Form I-8

Part 1 – Full Infiltration Feasibility Screening Criteria

Would infiltration of the full design volume be feasible from a physical perspective without any undesirable consequences that cannot be reasonably mitigated?

Criteria	Screening Question	Yes	No
1	**Is the estimated reliable infiltration rate below proposed facility locations greater than 0.5 inches per hour?** The response to this Screening Question shall be based on a comprehensive evaluation of the factors presented in Appendix C.2 and Appendix D.	☐	☒

Provide basis:

Infiltration to be verified by testing per city's BMP Manual Appendix D. Maximum infiltration rate observed was 0.04 in/hr. Testing performed by GeoTek, Inc, in their report *Draft Geotechnical Evaluation, Proposed Commercial Development, SWC Grading Avenue and Linda Vista Drive*, dated 5/28/2020.

Summarize findings of studies; provide reference to studies, calculations, maps, data sources, etc. Provide narrative discussion of study/data source applicability.

2	**Can infiltration greater than 0.5 inches per hour be allowed without increasing risk of geotechnical hazards (slope stability, groundwater mounding, utilities, or other factors) that cannot be mitigated to an acceptable level?** The response to this Screening Question shall be based on a comprehensive evaluation of the factors presented in Appendix C.2.	☐	☒

Provide basis:

Infiltration to be verified by testing per city's BMP Manual Appendix D. Maximum infiltration rate observed was 0.04 in/hr. Testing performed by GeoTek, Inc, in their report *Draft Geotechnical Evaluation, Proposed Commercial Development, SWC Grading Avenue and Linda Vista Drive*, dated 5/28/2020.

Summarize findings of studies; provide reference to studies, calculations, maps, data sources, etc. Provide narrative discussion of study/data source applicability.

3	**Can infiltration greater than 0.5 inches per hour be allowed without increasing risk of groundwater contamination (shallow water table, storm water pollutants or other factors) that cannot be mitigated to an acceptable level?** The response to this Screening Question shall be based on a comprehensive evaluation of the factors presented in Appendix C.3.	☐	☒

Provide basis:

Infiltration to be verified by testing per city's BMP Manual Appendix D. Maximum infiltration rate observed was 0.04 in/hr. Testing performed by GeoTek, Inc, in their report Draft Geotechnical Evaluation, Proposed Commercial Development, SWC Grading Avenue and Linda Vista Drive, dated 5/28/2020.

Summarize findings of studies; provide reference to studies, calculations, maps, data sources, etc. Provide narrative discussion of study/data source applicability.

4	**Can infiltration greater than 0.5 inches per hour be allowed without causing potential water balance issues such as change of seasonality of ephemeral streams or increased discharge of contaminated groundwater to surface waters?** The response to this Screening Question shall be based on a comprehensive evaluation of the factors presented in Appendix C.3.	☐	☒

Provide basis:

Infiltration to be verified by testing per city's BMP Manual Appendix D. Maximum infiltration rate observed was 0.04 in/hr. Testing performed by GeoTek, Inc, in their report *Draft Geotechnical Evaluation, Proposed Commercial Development, SWC Grading Avenue and Linda Vista Drive*, dated 5/28/2020.

Summarize findings of studies; provide reference to studies, calculations, maps, data sources, etc. Provide narrative discussion of study/data source applicability.

Part 1 Result*	If all answers to rows 1-4 are "**Yes**" a full infiltration design is potentially feasible. The feasibility screening category is **Full Infiltration.** If any answer from row 1-4 is "**No**", infiltration may be possible to some extent but would not generally be feasible or desirable to achieve a "full infiltration" design. Proceed to Part 2	**Full Infiltration Feasible** ☐	**Full Infiltration Infeasible** ☒

*To be completed using gathered site information and best professional judgement considering the definition of MEP in the MS4 permit. Additional testing and/or studies may be required by Agency/Jurisdictions to substantiate findings.

Categorization of Infiltration Feasibility Condition

Form I-8

Part 2 – Partial Infiltration vs. No Infiltration Feasibility Screening Criteria

Would infiltration of water in any appreciable amount be physically feasible without any negative consequences that cannot be reasonably mitigated?

Criteria	Screening Question	Yes	No
5	**Do soil and geologic conditions allow for infiltration in any appreciable rate or volume?** The response to this Screening Question shall be based on a comprehensive evaluation of the factors presented in Appendix C.2 and Appendix D.	☐	☒

Provide basis:

Infiltration to be verified by testing per city's BMP Manual Appendix D. Maximum infiltration rate observed was 0.04 in/hr. Testing performed by GeoTek, Inc, in their report *Draft Geotechnical Evaluation, Proposed Commercial Development, SWC Grading Avenue and Linda Vista Drive*, dated 5/28/2020.

Summarize findings of studies; provide reference to studies, calculations, maps, data sources, etc. Provide narrative discussion of study/data source applicability.

6	**Can infiltration in any appreciable quantity be allowed without increasing risk of geotechnical hazards (slope stability, groundwater mounding, utilities, or other factors) that cannot be mitigated to an acceptable level?** The response to this Screening Question shall be based on a comprehensive evaluation of the factors presented in Appendix C.2.	☒	☐

Provide basis:

Summarize findings of studies; provide reference to studies, calculations, maps, data sources, etc. Provide narrative discussion of study/data source applicability.

7	**Can infiltration in any appreciable quantity be allowed without posing significant risk for groundwater related concerns (shallow water table, storm water pollutants or other factors)?** The response to this Screening Question shall be based on a comprehensive evaluation of the factors presented in Appendix C.3.	☒	☐
Provide basis: Summarize findings of studies; provide reference to studies, calculations, maps, data sources, etc. Provide narrative discussion of study/data source applicability.			
8	**Can infiltration be allowed without violating downstream water rights?** The response to this Screening Question shall be based on a comprehensive evaluation of the factors presented in Appendix C.3.	☒	☐
Provide basis: Summarize findings of studies; provide reference to studies, calculations, maps, data sources, etc. Provide narrative discussion of study/data source applicability.			
Part 2 Result*	If all answers to rows 1-4 are "**Yes**" a partial infiltration design is potentially feasible. The feasibility screening category is **Partial Infiltration.** If any answer from row 5-8 is "**No**", infiltration of any volume is considered to be **infeasible** within the drainage area. The feasibility screening category is **No Infiltration.**	**Partial Infiltration** ☐	**No Infiltration** ☒

*To be completed using gathered site information and best professional judgement considering the definition of MEP in the MS4 permit. Additional testing and/or studies may be required by Agency/Jurisdictions to substantiate findings.

Automated Worksheet B.1: Calculation of Design Capture Volume (V2.0)

Category	#	Description	*i*	*ii*	*iii*	*iv*	*v*	*vi*	Units
Standard Drainage Basin Inputs	1	Drainage Basin ID or Name	A1	B1	B2	B3	B4	D1	unitless
	2	85th Percentile 24-hr Storm Depth	0.75	0.75	0.75	0.75	0.75	0.75	inches
	3	Impervious Surfaces Not Directed to Dispersion Area (C=0.90)	19,243	26,031	66,616	16,158	25,135	50,588	sq-ft
	4	Semi-Pervious Surfaces Not Serving as Dispersion Area (C=0.30)	0	0	0	0	0	0	sq-ft
	5	Engineered Pervious Surfaces Not Serving as Dispersion Area (C=0.10)	0	0	0	0	0	0	sq-ft
	6	Natural Type A Soil Not Serving as Dispersion Area (C=0.10)	0	0	0	0	0	0	sq-ft
	7	Natural Type B Soil Not Serving as Dispersion Area (C=0.14)	0	0	0	0	0	0	sq-ft
	8	Natural Type C Soil Not Serving as Dispersion Area (C=0.23)	0	0	5,763	1,268	7,398	4,421	sq-ft
	9	Natural Type D Soil Not Serving as Dispersion Area (C=0.30)	5,424	8,976	5,763	2,537	0	4,421	sq-ft
Dispersion Area, Tree Well & Rain Barrel Inputs (Optional)	10	Does Tributary Incorporate Dispersion, Tree Wells, and/or Rain Barrels?	No	No	No	No	No	No	yes/no
	11	Impervious Surfaces **Directed to Dispersion Area** per SD-B (Ci=0.90)							sq-ft
	12	Semi-Pervious Surfaces **Serving as Dispersion Area** per SD-B (Ci=0.30)							sq-ft
	13	Engineered Pervious Surfaces **Serving as Dispersion Area** per SD-B (Ci=0.10)							sq-ft
	14	Natural Type A Soil **Serving as Dispersion Area** per SD-B (Ci=0.10)							sq-ft
	15	Natural Type B Soil **Serving as Dispersion Area** per SD-B (Ci=0.14)							sq-ft
	16	Natural Type C Soil **Serving as Dispersion Area** per SD-B (Ci=0.23)							sq-ft
	17	Natural Type D Soil **Serving as Dispersion Area** per SD-B (Ci=0.30)							sq-ft
	18	Number of Tree Wells Proposed per SD-A							#
	19	Average Mature Tree Canopy Diameter							ft
	20	Number of Rain Barrels Proposed per SD-E							#
	21	Average Rain Barrel Size							gal
Initial Runoff Factor Calculation	22	Total Tributary Area	24,667	35,007	78,142	19,963	32,533	59,430	sq-ft
	23	Initial Runoff Factor for Standard Drainage Areas	0.77	0.75	0.81	0.78	0.75	0.81	unitless
	24	Initial Runoff Factor for Dispersed & Dispersion Areas	0.00	0.00	0.00	0.00	0.00	0.00	unitless
	25	Initial Weighted Runoff Factor	0.77	0.75	0.81	0.78	0.75	0.81	unitless
	26	Initial Design Capture Volume	1,187	1,641	3,956	973	1,525	3,009	cubic-feet
Dispersion Area Adjustments	27	Total Impervious Area Dispersed to Pervious Surface	0	0	0	0	0	0	sq-ft
	28	Total Pervious Dispersion Area	0	0	0	0	0	0	sq-ft
	29	Ratio of Dispersed Impervious Area to Pervious Dispersion Area	n/a	n/a	n/a	n/a	n/a	n/a	ratio
	30	Adjustment Factor for Dispersed & Dispersion Areas	1.00	1.00	1.00	1.00	1.00	1.00	ratio
	31	Runoff Factor After Dispersion Techniques	0.77	0.75	0.81	0.78	0.75	0.81	unitless
	32	Design Capture Volume After Dispersion Techniques	1,187	1,641	3,956	973	1,525	3,009	cubic-feet
Tree & Barrel Adjustments	33	Total Tree Well Volume Reduction	0	0	0	0	0	0	cubic-feet
	34	Total Rain Barrel Volume Reduction	0	0	0	0	0	0	cubic-feet
Results	35	Final Adjusted Runoff Factor	0.77	0.75	0.81	0.78	0.75	0.81	unitless
	36	Final Effective Tributary Area	18,994	26,255	63,295	15,571	24,400	48,138	sq-ft
	37	Initial Design Capture Volume Retained by Site Design Elements	0	0	0	0	0	0	cubic-feet
	38	Final Design Capture Volume Tributary to BMP	1,187	1,641	3,956	973	1,525	3,009	cubic-feet

No Warning Messages

Automated Worksheet B.2: Retention Requirements (V2.0)

Category	#	Description	*i*	*ii*	*iii*	*iv*	*v*	*vi*	Units
Basic Analysis	1	Drainage Basin ID or Name	A1	B1	B2	B3	B4	D1	unitless
	2	85th Percentile Rainfall Depth	0.75	0.75	0.75	0.75	0.75	0.75	inches
	3	Predominant NRCS Soil Type Within BMP Location	D	D	D	D	C	D	unitless
	4	Is proposed BMP location Restricted or Unrestricted for Infiltration Activities?	Restricted	Restricted	Restricted	Restricted	Restricted	Restricted	unitless
	5	Nature of Restriction	Soil Type	Soil Type	Soil Type	Soil Type	Soil Type	Soil Type	unitless
	6	Do Minimum Retention Requirements Apply to this Project?	Yes	Yes	Yes	Yes	Yes	Yes	yes/no
	7	Are Habitable Structures Greater than 9 Stories Proposed?	No	No	No	No	No	No	yes/no
Advanced Analysis	8	Has Geotechnical Engineer Performed an Infiltration Analysis?	No	No	No	No	No	No	yes/no
	9	Design Infiltration Rate Recommended by Geotechnical Engineer							in/hr
Result	10	Design Infiltration Rate Used To Determine Retention Requirements	0.000	0.000	0.000	0.000	0.000	0.000	in/hr
	11	Percent of Average Annual Runoff that Must be Retained within DMA	1.5%	1.5%	1.5%	1.5%	1.5%	1.5%	percentage
	12	Fraction of DCV Requiring Retention	0.01	0.01	0.01	0.01	0.01	0.01	ratio
	13	Required Retention Volume	12	16	40	10	15	30	cubic-feet

No Warning Messages

Automated Worksheet B.3: BMP Performance (V2.0)

Category	#	Description	*i*	*ii*	*iii*	*iv*	*v*	*vi*	Units
BMP Inputs	1	Drainage Basin ID or Name	A1	B1	B2	B3	B4	D1	sq-ft
	2	Design Infiltration Rate Recommended	0.000	0.000	0.000	0.000	0.000	0.000	in/hr
	3	Design Capture Volume Tributary to BMP	1,187	1,641	3,956	973	1,525	3,009	cubic-feet
	4	Is BMP Vegetated or Unvegetated?	Vegetated	Vegetated	Vegetated	Vegetated	Vegetated	Vegetated	unitless
	5	Is BMP Impermeably Lined or Unlined?	Lined	Lined	Lined	Lined	Lined	Lined	unitless
	6	Does BMP Have an Underdrain?	Underdrain	Underdrain	Underdrain	Underdrain	Underdrain	Underdrain	unitless
	7	Does BMP Utilize Standard or Specialized Media?	Standard	Standard	Standard	Standard	Standard	Standard	unitless
	8	Provided Surface Area	575	794	2,050	510	930	1,450	sq-ft
	9	Provided Surface Ponding Depth	6	6	6	6	6	6	inches
	10	Provided Soil Media Thickness	18	18	18	18	18	18	inches
	11	Provided Gravel Thickness (Total Thickness)	18	18	18	18	18	18	inches
	12	Underdrain Offset	3	3	3	3	3	3	inches
	13	Diameter of Underdrain or Hydromod Orifice (Select Smallest)	3.00	1.00	1.00	1.00	1.00	6.00	inches
	14	Specialized Soil Media Filtration Rate							in/hr
	15	Specialized Soil Media Pore Space for Retention							unitless
	16	Specialized Soil Media Pore Space for Biofiltration							unitless
	17	Specialized Gravel Media Pore Space							unitless
Retention Calculations	18	Volume Infiltrated Over 6 Hour Storm	0	0	0	0	0	0	cubic-feet
	19	Ponding Pore Space Available for Retention	0.00	0.00	0.00	0.00	0.00	0.00	unitless
	20	Soil Media Pore Space Available for Retention	0.05	0.05	0.05	0.05	0.05	0.05	unitless
	21	Gravel Pore Space Available for Retention (Above Underdrain)	0.00	0.00	0.00	0.00	0.00	0.00	unitless
	22	Gravel Pore Space Available for Retention (Below Underdrain)	0.40	0.40	0.40	0.40	0.40	0.40	unitless
	23	Effective Retention Depth	2.10	2.10	2.10	2.10	2.10	2.10	inches
	24	Fraction of DCV Retained (Independent of Drawdown Time)	0.08	0.08	0.09	0.09	0.11	0.08	ratio
	25	Calculated Retention Storage Drawdown Time	120	120	120	120	120	120	hours
	26	Efficacy of Retention Processes	0.10	0.10	0.11	0.11	0.13	0.10	ratio
	27	Volume Retained by BMP (Considering Drawdown Time)	115	159	430	106	200	291	cubic-feet
	28	Design Capture Volume Remaining for Biofiltration	1,072	1,482	3,526	867	1,325	2,718	cubic-feet
Biofiltration Calculations	29	Max Hydromod Flow Rate through Underdrain	0.4178	0.0470	0.0470	0.0470	0.0470	1.6375	cfs
	30	Max Soil Filtration Rate Allowed by Underdrain Orifice	31.39	2.56	0.99	3.98	2.19	48.79	in/hr
	31	Soil Media Filtration Rate per Specifications	5.00	5.00	5.00	5.00	5.00	5.00	in/hr
	32	Soil Media Filtration Rate to be used for Sizing	5.00	2.56	0.99	3.98	2.19	5.00	in/hr
	33	Depth Biofiltered Over 6 Hour Storm	30.00	15.36	5.95	23.91	13.11	30.00	inches
	34	Ponding Pore Space Available for Biofiltration	1.00	1.00	1.00	1.00	1.00	1.00	unitless
	35	Soil Media Pore Space Available for Biofiltration	0.20	0.20	0.20	0.20	0.20	0.20	unitless
	36	Gravel Pore Space Available for Biofiltration (Above Underdrain)	0.40	0.40	0.40	0.40	0.40	0.40	unitless
	37	Effective Depth of Biofiltration Storage	15.60	15.60	15.60	15.60	15.60	15.60	inches
	38	Drawdown Time for Surface Ponding	1	2	6	2	3	1	hours
	39	Drawdown Time for Effective Biofiltration Depth	3	6	16	4	7	3	hours
	40	Total Depth Biofiltered	45.60	30.96	21.55	39.51	28.71	45.60	inches
	41	Option 1 - Biofilter 1.50 DCV: Target Volume	1,608	2,224	5,289	1,301	1,988	4,077	cubic-feet
	42	Option 1 - Provided Biofiltration Volume	1,608	2,048	3,681	1,301	1,988	4,077	cubic-feet
	43	Option 2 - Store 0.75 DCV: Target Volume	804	1,112	2,644	650	994	2,039	cubic-feet
	44	Option 2 - Provided Storage Volume	748	1,032	2,644	650	994	1,885	cubic-feet
	45	Portion of Biofiltration Performance Standard Satisfied	1.00	0.93	1.00	1.00	1.00	1.00	ratio
Result	46	Do Site Design Elements and BMPs Satisfy Annual Retention Requirements?	Yes	Yes	Yes	Yes	Yes	Yes	yes/no
	47	Overall Portion of Performance Standard Satisfied (BMP Efficacy Factor)	1.00	1.00	1.00	1.00	1.00	1.00	ratio
	48	**Deficit of Effectively Treated Stormwater**	**0**	**0**	**0**	**0**	**0**	**0**	cubic-feet

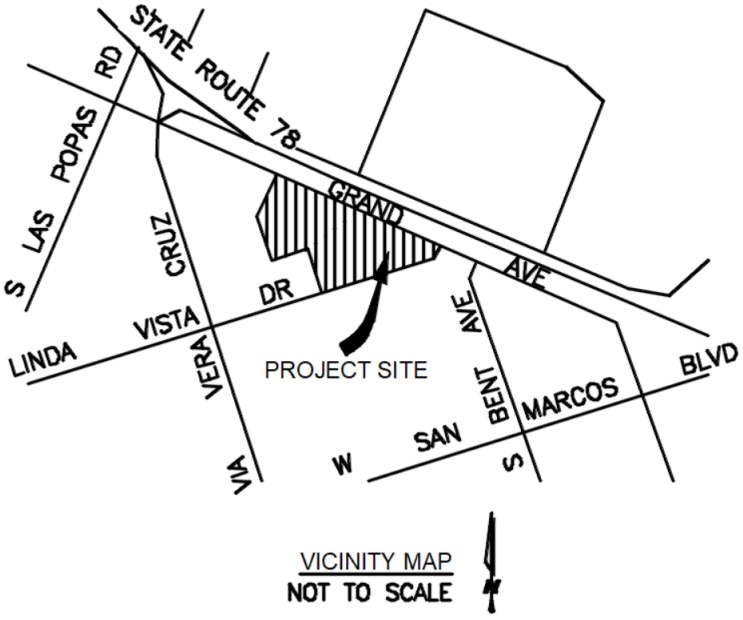
Attention!

-Minimum annual retention criteria are not satisfied for each individual drainage area. Implement additional site design elements, increase structural BMP retention capacity, or demonstrate that such requirements are satisfied at the project-level.
-This BMP does not fully satisfy the performance standards for pollutant control for the drainage area.

INTRODUCTION

Project Description:

The Marcos project consists of approximately 10.8 acres near the southwest corner of the Linda Vista Drive and Grand Avenue intersection in the city of San Marcos, California. The project is bisected by a channel which separates the project into two development areas. The 5.0 acres north of the channel will be used to develop 102 condominium residential units while the 5.8 acres south of the channel will be developed for commercial and mixed use.



Existing Conditions:

The existing site consists of two development area that were previously commercial pads but have had the buildings demolished. From an aerial view, both areas visually appear flat. The channel was recently improved by the City of San Marcos (CIP Project Code 88214, "Grand Avenue Drainage / Road Improvements", IP-4826 and VWD no. 201930). Please reference Appendix 7 in the Drainage Report for channel improvement drawings. Each development area had new storm drain added to collect runoff from the pads and discharge into the improved channel. A bridge was constructed to link the two development areas.

Proposed Conditions:

In the proposed condition, onsite drainage will be covered by a separate SWQMP. Proposed public improvements around the site will be treated by green street elements including trees. Ultimately, the proposed development areas will be re-graded to ensure that the runoff is routed to the channel.

Green Street Elements

Public improvement treatment will be provided by private green street element trees. Proposed trees would capture storm water, provide shade, and cool pavement.

Water Quality Compliance:

The proposed project would not require Regional Water Quality Control Board Section 401 Certification or a U.S. Army Corps of Engineers 404 permit. The project site is fully developed and devoid of natural vegetation and habitat.

Operation/Maintenance:

Green street elements would fall under the responsibility of would be formed Homeowners Association.

Applicability of Storm Water Best Management Practices (BMP) Requirements (Storm Water Intake Form for all Development Permit Applications) For detailed information please visit: http://www.san-marcos.net/departments/development-services/stormwater/development-planning	Form I-1 Version 1.0 [March 15, 2016]

Project Identification

Project Name: Marcos Project	
Description: Proposed development of residential and commerical use buildings	
Permit Application Number (if applicable):	Date: 2022/10/5
Project Address: Grand Avenue and Linda Vista Drive	

Determination of Requirements

This form is required as part of the City's application process. The purpose of this form is to identify potential land development planning storm water requirements that apply to development projects.

Development projects are defined as construction, rehabilitation, redevelopment, or reconstruction of any public or private projects. In addition, the identification of a development project, as it relates to storm water regulations, would truly apply to development and redevelopment activities that have the potential to contact storm water and contribute a source of pollutants, or reduce the natural absorption and infiltration abilities of the land.

To access the BMP Design Manual, Storm Water Quality Management Plan (SWQMP) templates, and other pertinent information related to this program please refer to:
http://www.san-marcos.net/departments/development-services/stormwater/development-planning

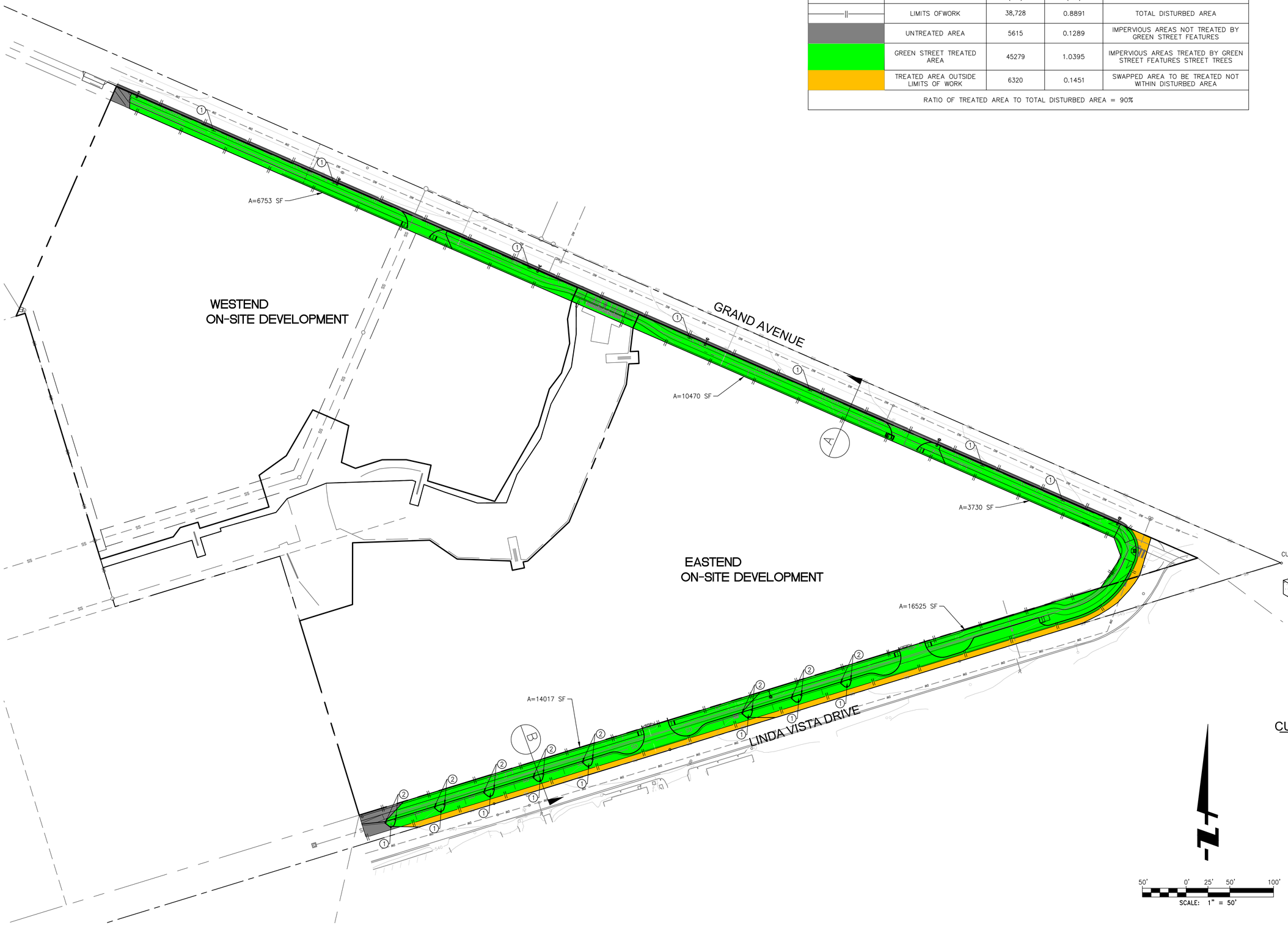
Please answer each of the following steps below, starting with Step 1 and progressing through each step until reaching "Stop".

Step	Answer	Progression
Step 1: Based on the above, Is the project a "development project"? (see definition above) See Section 1.3 of the BMP Design Manual for further guidance if necessary.	☒ Yes	Go to Step 2.
	☐ No	Permanent BMP requirements do not apply. No SWQMP will be required. Provide brief discussion below. **STOP.**
Discussion / justification if the project is not a "development project" (e.g., the project includes *only* interior remodels within an existing building):		
Step 2: Is the project a Standard Project, Priority Development Project (PDP), or exception to PDP definitions? **To answer this item, complete Form I-2, Project Type Determination. See Section 1.4 of the BMP Design Manual *in its entirety* for guidance.** **In addition to Section 1.4, please refer to the City's SWQMP Submittal Requirements form.**	☐ Standard Project	Only Standard Project requirements apply, including Standard Project SWQMP. **STOP.**
	☒ PDP	Standard and PDP requirements apply, including PDP SWQMP. **Go to Step 3 on the following page.**
	☐ Exception to PDP definitions	Standard Project requirements apply, and any additional requirements specific to the type of project. Provide discussion and list any additional requirements below. Prepare Standard Project SWQMP. **STOP.**
Discussion / justification, and additional requirements for exceptions to PDP definitions, if applicable:		

Form I-1 Page 2		
Step 3 (PDPs only). Please answer the list of questions in this section to determine if hydromodification requirements reply to the proposed PDP. Does the project:		
Step 3a. Discharge storm water runoff directly to the Pacific Ocean?	☐ Yes	**STOP**. Hydromodification requirements do not apply.
	☒ No	Continue to Step 3b.
Step 3b. Discharge storm water runoff directly to an enclosed embayment, not within protected areas?	☐ Yes	**STOP**. Hydromodification requirements do not apply.
	☒ No	Continue to Step 3c.
Step 3c. Discharge storm water runoff directly to a water storage reservoir or lake, below spillway or normal operating level?	☐ Yes	**STOP**. Hydromodification requirements do not apply.
	☒ No	Continue to Step 3d.
Step 3d. Discharge storm water runoff directly to an area identified in WMAA?	☐ Yes	**STOP**. Hydromodification requirements do not apply.
	☒ No	Hydromodification requirements apply to the project. Go to Step 4.
Discussion / justification if hydromodification control requirements do <u>not</u> apply:		
Step 4 (PDPs subject to hydromodification control requirements only). Does protection of critical coarse sediment yield areas apply based on review of WMAA Potential Critical Coarse Sediment Yield Area Map? See Section 6.2 of the BMP Design Manual for guidance.	☐ Yes	Management measures required for protection of critical coarse sediment yield areas (Chapter 6.2). Stop.
	☐ No	Management measures not required for protection of critical coarse sediment yield areas. Provide brief discussion below. Stop.

GREEN STREET EXEMPTION REQUIREMENT

SYMBOL	ITEM	QUANTITY (SF)	QUANTITY (AC)	DESCRIPTION
	LIMITS OFWORK	38,728	0.8891	TOTAL DISTURBED AREA
	UNTREATED AREA	5615	0.1289	IMPERVIOUS AREAS NOT TREATED BY GREEN STREET FEATURES
	GREEN STREET TREATED AREA	45279	1.0395	IMPERVIOUS AREAS TREATED BY GREEN STREET FEATURES STREET TREES
	TREATED AREA OUTSIDE LIMITS OF WORK	6320	0.1451	SWAPPED AREA TO BE TREATED NOT WITHIN DISTURBED AREA
RATIO OF TREATED AREA TO TOTAL DISTURBED AREA = 90%				



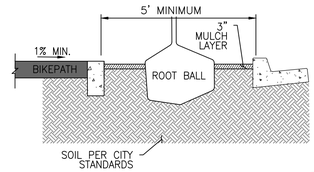
GREEN STREET CONSTRUCTION

1. LANDSCAPE AREA WITH STREET TREES PER DETAIL A & B
2. CURB OPENING WITH ENERGY DISSIPATOR PER DETAIL C

LEGEND

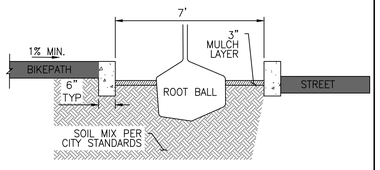
TRIBUTARY AREA

LIMIT OF GRADING



STREET TREE (GRAND AVE) A

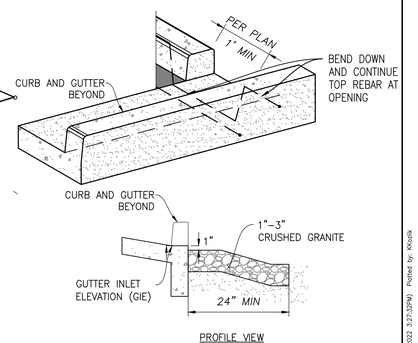
NTS



SEE DETAIL E ON SHEET 3 FOR PLAN VIEW

TREE WELL (LINDA VISTA DR) B

NTS



PROFILE VIEW

CURB OPENING (LINDA VISTA DR) C

NOT TO SCALE

50' 0' 25' 50' 100'

SCALE: 1" = 50'

MARCOS PROJECT

GREEN STREET EXHIBIT

FUSCOE ENGINEERING
6390 Greenwich Dr., Suite 170
San Diego, California 92122
tel 858.554.1500 ◦ fax 858.597.0335
www.fuscoe.com

JOB NO. 1960-001

DRAWN BY: JS

SHEET 1 of 1

K:\PROJECTS\1960.001\LA\EXPORT FILES\REPORTS\DWG\M (GREEN STREET)\GREEN STREET EXHIBIT.DWG (12-19-2022 3:07:33PM) Plotted by: Mikaela

ATTACHMENT 2
BACKUP FOR PDP HYDROMODIFICATION CONTROL MEASURES

This is the cover sheet for Attachment 2.

☐ Mark this box if this attachment is empty because the project is exempt from PDP hydromodification management requirements.

Indicate which Items are Included behind this cover sheet:

Attachment Sequence	**Contents**	**Checklist**
Attachment 2a	Hydromodification Management Exhibit (Required)	☐ Included See Hydromodification Management Exhibit Checklist on the back of this Attachment cover sheet.
Attachment 2b	Management of Critical Coarse Sediment Yield Areas (WMAA Exhibit is required, additional analyses are optional) See Section 6.2 of the BMP Design Manual.	☐ Exhibit showing project drainage boundaries marked on WMAA Critical Coarse Sediment Yield Area Map (Required) Optional analyses for Critical Coarse Sediment Yield Area Determination ☐ 6.2.1 Verification of Geomorphic Landscape Units Onsite ☐ 6.2.2 Downstream Systems Sensitivity to Coarse Sediment ☐ 6.2.3 Optional Additional Analysis of Potential Critical Coarse Sediment Yield Areas Onsite
Attachment 2c	Geomorphic Assessment of Receiving Channels (Optional) See Section 6.3.4 of the BMP Design Manual.	☐ Not performed ☐ Included ☐ Submitted as separate stand-alone document
Attachment 2d	Flow Control Facility Design, including Structural BMP Drawdown Calculations and Overflow Design Summary (Required) See Chapter 6 and Appendix G of the BMP Design Manual	☐ Included ☐ Submitted as separate stand-alone document
Attachment 2e	Vector Control Plan (Required when structural BMPs will not drain in 96 hours)	☐ Included ☐ Not required because BMPs will drain in less than 96 hours

Use this checklist to ensure the required information has been included on the Hydromodification Management Exhibit:

The Hydromodification Management Exhibit must identify:

- ☐ Underlying hydrologic soil group
- ☐ Approximate depth to groundwater
- ☐ Existing natural hydrologic features (watercourses, seeps, springs, wetlands)
- ☐ Critical coarse sediment yield areas to be protected
- ☐ Existing topography
- ☐ Existing and proposed site drainage network and connections to drainage offsite
- ☐ Proposed grading
- ☐ Proposed impervious features
- ☐ Proposed design features and surface treatments used to minimize imperviousness
- ☐ Point(s) of Compliance (POC) for Hydromodification Management
- ☐ Existing and proposed drainage boundary and drainage area to each POC (when necessary, create separate exhibits for pre-development and post-project conditions)
- ☐ Structural BMPs for hydromodification management (identify location, type of BMP, and size/detail)

MARCOS

HYDROMODIFICATION EXHIBIT
EXISTING CONDITIONS

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SHEET 1 of 1

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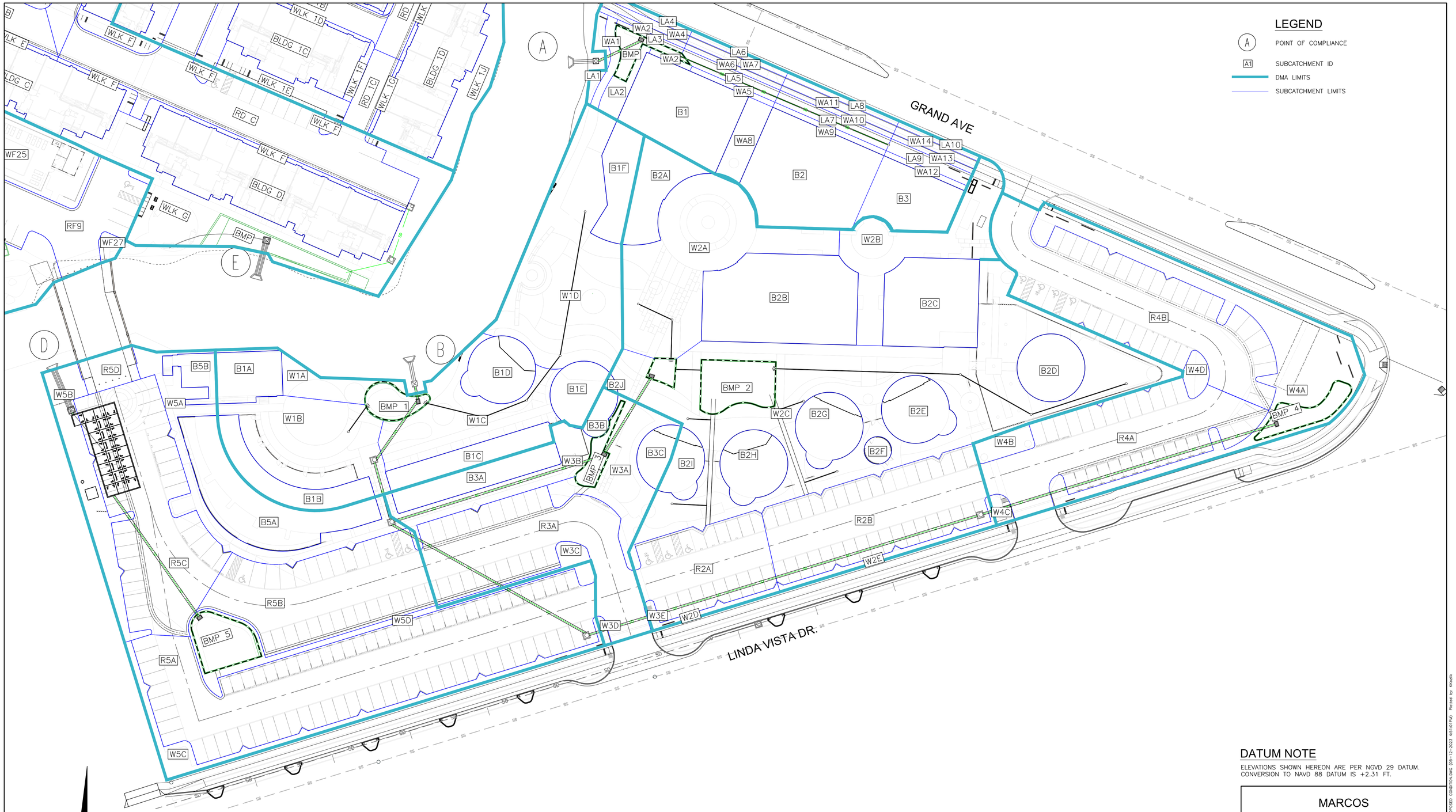

DATUM NOTE

ELEVATIONS SHOWN HEREON ARE PER NGVD 29 DATUM. CONVERSION TO NAVD 88 DATUM IS +2.31 FT.

MARCOS

HYDROMODIFICATION EXHIBIT
PROPOSED CONDITIONS

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JOB NO. 1960-001

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SHEET 1 of 1

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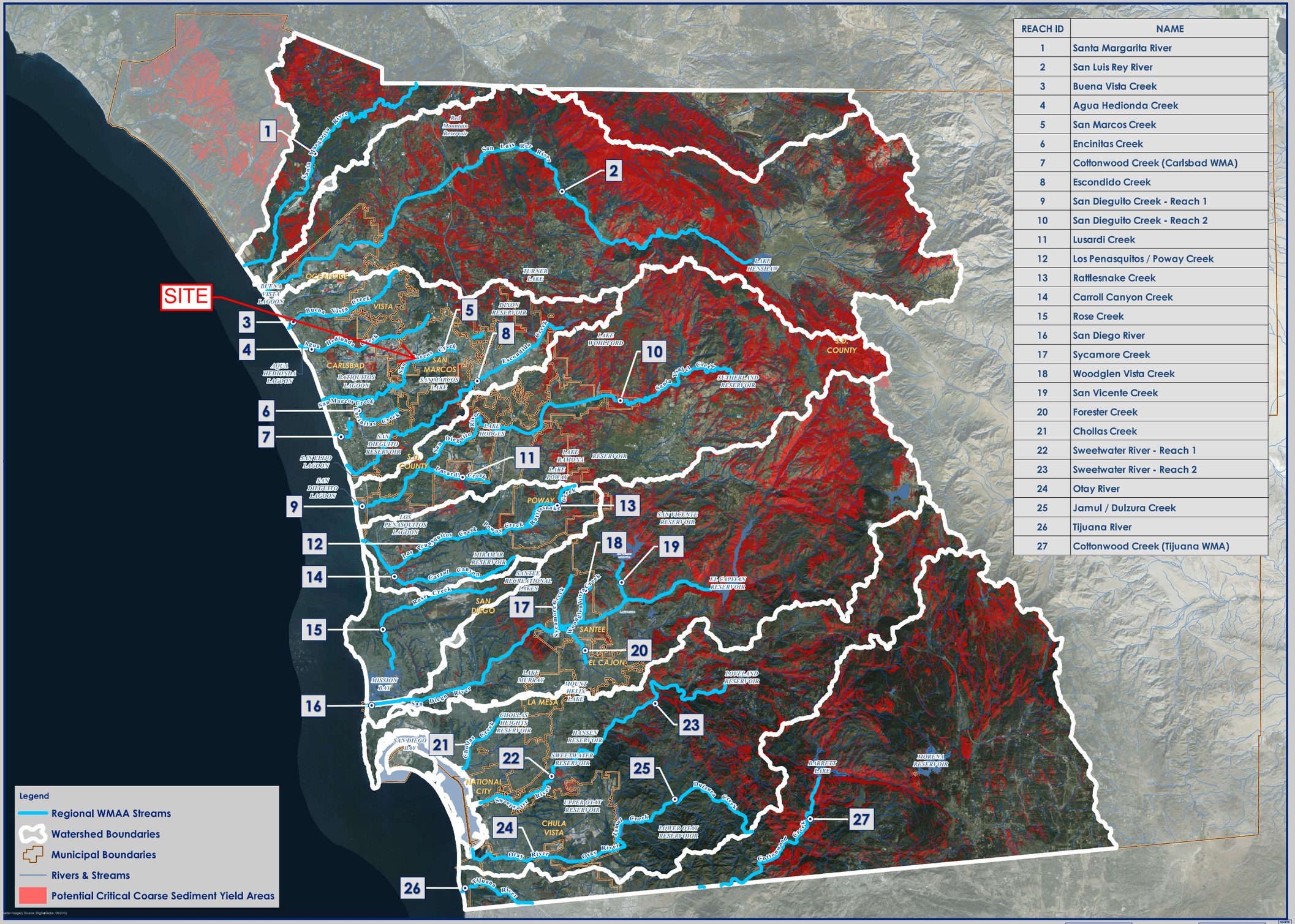


REACH ID	NAME
1	Santa Margarita River
2	San Luis Rey River
3	Buena Vista Creek
4	Agua Hedionda Creek
5	San Marcos Creek
6	Encinitas Creek
7	Cottonwood Creek (Carlsbad WMA)
8	Escondido Creek
9	San Dieguito Creek - Reach 1
10	San Dieguito Creek - Reach 2
11	Lusardi Creek
12	Los Penasquitos / Poway Creek
13	Rattlesnake Creek
14	Carroll Canyon Creek
15	Rose Creek
16	San Diego River
17	Sycamore Creek
18	Woodglen Vista Creek
19	San Vicente Creek
20	Forester Creek
21	Chollas Creek
22	Sweetwater River - Reach 1
23	Sweetwater River - Reach 2
24	Otay River
25	Jamul / Dulzura Creek
26	Tijuana River
27	Cottonwood Creek (Tijuana WMA)

Potential Critical Coarse Sediment Yield Areas

Regional San Diego County Watersheds

Exhibit Date: Sept. 8, 2014

Geosyntec consultants

RICK ENGINEERING COMPANY

Soil	N-Imperv	N-Perv	D store-Imperv	D store-Perv	Zero-Imper	Suction Head	Conductivity (Existing)	Conductivity (Compacted)	Initial Deficit	Groundwater
A	0.012	0.15	0.05	0.1	25%	1.5	0.3	0.23	0.33	no
B	0.012	0.15	0.05	0.1	25%	3	0.2	0.15	0.32	no
C	0.012	0.15	0.05	0.1	25%	6	0.1	0.08	0.31	no
D	0.012	0.15	0.05	0.1	25%	9	0.025	0.019	0.30	no

Existing Conditions

Subcatchment ID	Soil		Area			Outfall	Max Length (ft)	Width (ft)	Elevations		Average Slope	Impervious %	Suction Head*	Conductivity (Existing)*	Conductivity (Compacted)*	Initial Deficit*
	Type	%	SF	AC	Total (AC)				Max	Min						
A1	A	0%	-	0.00	1.55	POC A	460	147	545.00	540.95	0.9%	0%	9.00	0.03	0.02	0.30
	B	0%	-	0.00												
	C	3107%	-	0.00												
	D	100%	67,473	1.55												
Total					1.55											

**Weighted factor*

Proposed Conditions B1

Subcatchment ID	Outfall	Soil		Area			Width (ft)	Average Slope	Impervious %	Suction Head*	Conductivity (Compacted)*	Initial Deficit*
		Type	%	SF	AC	Total (AC)						
B1	WA2	A	0%	-	0.00	0.10714	60	0.5%	100%	9.00	0.02	0.30
		B	0%	-	0.00							
		C	0%	-	0.00							
		D	100%	4,667	0.11							
B2	WA9	A	0%	-	0.00	0.14366	70	0.5%	100%	9.00	0.02	0.30
		B	0%	-	0.00							
		C	0%	-	0.00							
		D	100%	6,258	0.14							
B3	WA12	A	0%	-	0.00	0.06307	50	0.5%	100%	9.00	0.02	0.30
		B	0%	-	0.00							
		C	0%	-	0.00							
		D	100%	2,747	0.06							
WA1	BMP	A	0%	-	0.00	0.01032	6	0.5%	100%	9.00	0.02	0.30
		B	0%	-	0.00							
		C	0%	-	0.00							
		D	100%	449	0.01							
WA2	BMP	A	0%	-	0.00	0.00289	4	0.5%	100%	9.00	0.02	0.30
		B	0%	-	0.00							
		C	0%	-	0.00							
		D	100%	126	0.00							
WA3	LA3	A	0%	-	0.00	0.00624	4	0.5%	100%	9.00	0.02	0.30
		B	0%	-	0.00							
		C	0%	-	0.00							
		D	100%	272	0.01							
WA4	WA3	A	0%	-	0.00	0.00941	6	0.5%	100%	9.00	0.02	0.30
		B	0%	-	0.00							
		C	0%	-	0.00							
		D	100%	410	0.01							
WA5	LA5	A	0%	-	0.00	0.00592	4	0.5%	100%	9.00	0.02	0.30
		B	0%	-	0.00							
		C	0%	-	0.00							
		D	100%	258	0.01							
WA6	LA5	A	0%	-	0.00	0.00692	4	0.5%	100%	9.00	0.02	0.30
		B	0%	-	0.00							
		C	0%	-	0.00							
		D	100%	301	0.01							
WA7	WA6	A	0%	-	0.00	0.01054	6	0.5%	100%	9.00	0.02	0.30
		B	0%	-	0.00							
		C	0%	-	0.00							
		D	100%	459	0.01							
WA8	WA5	A	0%	-	0.00	0.02656	20	0.5%	100%	9.00	0.02	0.30
		B	0%	-	0.00							
		C	0%	-	0.00							
		D	100%	1,157	0.03							
WA9	LA7	A	0%	-	0.00	0.00806	4	0.5%	100%	9.00	0.02	0.30
		B	0%	-	0.00							
		C	0%	-	0.00							
		D	100%	351	0.01							
WA10	LA7	A	0%	-	0.00	0.00797	4	0.5%	100%	9.00	0.02	0.30
		B	0%	-	0.00							
		C	0%	-	0.00							
		D	100%	347	0.01							
WA11	WA10	A	0%	-	0.00	0.01230	6	0.5%	100%	9.00	0.02	0.30
		B	0%	-	0.00							
		C	0%	-	0.00							
		D	100%	536	0.01							
WA12	LA9	A	0%	-	0.00	0.00597	4	0.5%	100%	9.00	0.02	0.30
		B	0%	-	0.00							
		C	0%	-	0.00							
		D	100%	260	0.01							
WA13	LA9	A	0%	-	0.00	0.00578	4	0.5%	100%	9.00	0.02	0.30
		B	0%	-	0.00							
		C	0%	-	0.00							
		D	100%	252	0.01							
WA14	WA13	A	0%	-	0.00	0.00901	6	0.5%	100%	9.00	0.02	0.30
		B	0%	-	0.00							
		C	0%	-	0.00							
		D	100%	393	0.01							
LA1	POCA	A	0%	-	0.00	0.01043	10	0.5%	0%	9.00	0.02	0.30
		B	0%	-	0.00							
		C	0%	-	0.00							
		D	100%	454	0.01							
LA2	BMP	A	0%	-	0.00	0.01391	10	0.5%	0%	9.00	0.02	0.30
		B	0%	-	0.00							
		C	0%	-	0.00							
		D	100%	606	0.01							
LA3	BMP	A	0%	-	0.00	0.00434	4	0.5%	0%	9.00	0.02	0.30
		B	0%	-	0.00							
		C	0%	-	0.00							
		D	100%	189	0.00							

LA4	WA4	A	0%	-	0.00	0.00699	4	0.5%	0%	9.00	0.02	0.30
		B	0%	-	0.00							
		C	0%	-	0.00							
		D	100%	305	0.01							
LA5	BMP	A	0%	-	0.00	0.01603	10	0.5%	0%	9.00	0.02	0.30
		B	0%	-	0.00							
		C	0%	-	0.00							
		D	100%	698	0.02							
LA6	WA7	A	0%	-	0.00	0.00758	4	0.5%	0%	9.00	0.02	0.30
		B	0%	-	0.00							
		C	0%	-	0.00							
		D	100%	330	0.01							
LA7	BMP	A	0%	-	0.00	0.01935	10	0.5%	0%	9.00	0.02	0.30
		B	0%	-	0.00							
		C	0%	-	0.00							
		D	100%	843	0.02							
LA8	WA11	A	0%	-	0.00	0.00851	4	0.5%	0%	9.00	0.02	0.30
		B	0%	-	0.00							
		C	0%	-	0.00							
		D	100%	371	0.01							
LA9	BMP	A	0%	-	0.00	0.01406	10	0.5%	0%	9.00	0.02	0.30
		B	0%	-	0.00							
		C	0%	-	0.00							
		D	100%	613	0.01							
LA10	WA14	A	0%	-	0.00	0.00601	4	0.5%	0%	9.00	0.02	0.30
		B	0%	-	0.00							
		C	0%	-	0.00							
		D	100%	262	0.01							
BMP	DIV	A	0%	-	0.00	0.01728	10	0.5%	0%	9.00	0.02	0.30
		B	0%	-	0.00							
		C	0%	-	0.00							
		D	100%	753	0.02							
Total w/BMP						0.57	0.0057					

**Weighted factor*

Water Quality
HydroMod

BMP	Area	Depth of Stored Water, D	Diameter of Orifice, d		Area of Orifice, Ao	Average Discharge Rate, Q_{avg}	Volume of Stored Water, V	Time Req'd to Drain Stored Water, T	Flow Coefficient, C	Divider Cutoff Flow	Riser Orifice, d		
	sf	ft	in	ft	sf	cfs	cf	hr	in/hr	cfs	in	ft	offset (ft)
A1	575	1.00	3	0.250	0.04906	0.16704322	230	0.38	18.1144	0.4092	3	0.250	0.50

EAST

HYDROMODIFICATION MODELING RESEARCH PROJECT
ARTIST VILLAGE POC A

THIS POC	PASSES
Time Steps > 110%	0
Time Steps = 110%	0
Max % =	80%

Record Period = 45 Years = 16,425 days = 394,200 hours
% time Flow Exceeded = 100*m/(394200+1)

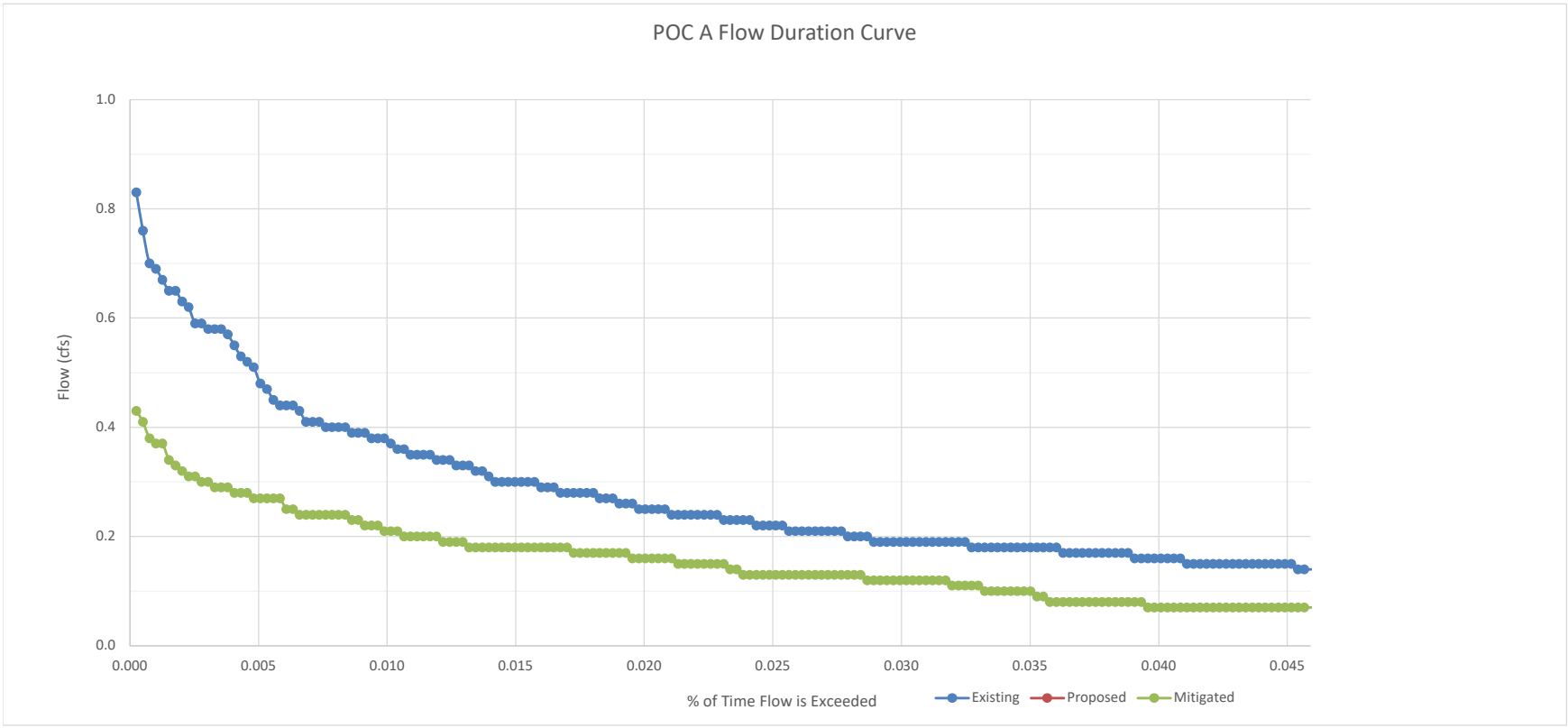
Rank (m)	Return Interval (yrs)	Peak Flow (cfs)			% Time Flow Exceeded	Hourly Flow Data (cfs) (Duration Calc)			Percentage	PASS/FAIL
		Exist. Cond.	Prop. Cond.	Prop. w/BMP		Exist. Cond.	Prop. Cond.	Prop. w/BMP		
1	45.00	0.832		0.426	0.0003	0.83		0.43	51%	PASS
2	22.50	0.758		0.408	0.0005	0.76		0.41	54%	PASS
3	15.00	0.697		0.381	0.0008	0.7		0.38	55%	PASS
4	11.25	0.694		0.37	0.0010	0.69		0.37	53%	PASS
5	9.00	0.647		0.34	0.0013	0.67		0.37	53%	PASS
6	7.50	0.625		0.334	0.0015	0.65		0.34	53%	PASS
7	6.43	0.584		0.32	0.0018	0.65		0.33	55%	PASS
8	5.63	0.582		0.312	0.0020	0.63		0.32	54%	PASS
9	5.00	0.577		0.309	0.0023	0.62		0.31	54%	PASS
10	4.50	0.552		0.296	0.0025	0.59		0.31	54%	PASS
11	4.09	0.534		0.294	0.0028	0.59		0.3	55%	PASS
12	3.75	0.515		0.289	0.0030	0.58		0.3	56%	PASS
13	3.46	0.471		0.283	0.0033	0.58		0.29	60%	PASS
14	3.21	0.446		0.279	0.0036	0.58		0.29	63%	PASS
15	3.00	0.442		0.278	0.0038	0.57		0.29	63%	PASS
16	2.81	0.441		0.275	0.0041	0.55		0.28	62%	PASS
17	2.50	0.441		0.274	0.0043	0.53		0.28	62%	PASS
18	2.50	0.433		0.272	0.0046	0.52		0.28	63%	PASS
19	2.37	0.409		0.266	0.0048	0.51		0.27	65%	PASS
20	2.25	0.408		0.24	0.0051	0.48		0.27	59%	PASS
21	2.14	0.405		0.238	0.0053	0.47		0.27	59%	PASS
22	2.05	0.398		0.238	0.0056	0.45		0.27	60%	PASS
23	1.96	0.396		0.231	0.0058	0.44		0.27	58%	PASS
24	1.80	0.365		0.226	0.0061	0.44		0.25	62%	PASS
25	1.80	0.351		0.22	0.0063	0.44		0.25	63%	PASS
26	1.73	0.350		0.219	0.0066	0.43		0.24	63%	PASS
27	1.67	0.343		0.217	0.0068	0.41		0.24	63%	PASS
28	1.61	0.313		0.214	0.0071	0.41		0.24	68%	PASS
29	1.55	0.299		0.212	0.0074	0.41		0.24	71%	PASS
30	1.50	0.298		0.206	0.0076	0.4		0.24	69%	PASS
31	1.45	0.298		0.204	0.0079	0.4		0.24	68%	PASS
32	1.41	0.286		0.201	0.0081	0.4		0.24	70%	PASS
33	1.36	0.282		0.198	0.0084	0.4		0.24	70%	PASS
34	1.32	0.275		0.196	0.0086	0.39		0.23	71%	PASS
35	1.29	0.269		0.193	0.0089	0.39		0.23	72%	PASS
36	1.25	0.263		0.191	0.0091	0.39		0.22	73%	PASS
37	1.22	0.263		0.184	0.0094	0.38		0.22	70%	PASS
38	1.18	0.253		0.183	0.0096	0.38		0.22	72%	PASS
39	1.15	0.247		0.18	0.0099	0.38		0.21	73%	PASS
40	1.13	0.245		0.179	0.0101	0.37		0.21	73%	PASS
41	1.07	0.244		0.179	0.0104	0.36		0.21	73%	PASS
42	1.07	0.243		0.178	0.0107	0.36		0.2	73%	PASS
43	1.05	0.237		0.178	0.0109	0.35		0.2	75%	PASS
44	1.02	0.232		0.176	0.0112	0.35		0.2	76%	PASS
45	1.00	0.232		0.176	0.0114	0.35		0.2	76%	PASS
46	0.98	0.231		0.174	0.0117	0.35		0.2	75%	PASS
47	0.96	0.229		0.173	0.0119	0.34		0.2	76%	PASS
48	0.94	0.222		0.173	0.0122	0.34		0.19	78%	PASS
49	0.92	0.214		0.171	0.0124	0.34		0.19	80%	PASS
50	0.90	0.212		0.168	0.0127	0.33		0.19	79%	PASS
51	0.88	0.207		0.164	0.0129	0.33		0.19	79%	PASS
52	0.87	0.206		0.157	0.0132	0.33		0.18	76%	PASS
53	0.85	0.194		0.153	0.0134	0.32		0.18	79%	PASS
54	0.83	0.190		0.151	0.0137	0.32		0.18	79%	PASS
55	0.82	0.190		0.147	0.0140	0.31		0.18	77%	PASS
56	0.79	0.190		0.137	0.0142	0.3		0.18	72%	PASS

HYDROMODIFICATION MODELING RESEARCH PROJECT
ARTIST VILLAGE POC A

THIS POC	PASSES
Time Steps > 110%	0
Time Steps = 110%	0
Max % =	80%

Record Period = 45 Years = 16,425 days = 394,200 hours
% time Flow Exceeded = 100*m/(394200+1)

Rank (m)	Return Interval (yrs)	Peak Flow (cfs)			% Time Flow Exceeded	Hourly Flow Data (cfs) (Duration Calc)			Percentage	PASS/FAIL
		Exist. Cond.	Prop. Cond.	Prop. w/BMP		Exist. Cond.	Prop. Cond.	Prop. w/BMP		
57	0.79	0.190		0.137	0.0145	0.3		0.18	72%	PASS
58	0.78	0.188		0.135	0.0147	0.3		0.18	72%	PASS
59	0.76	0.188		0.128	0.0150	0.3		0.18	68%	PASS
60	0.75	0.187		0.127	0.0152	0.3		0.18	68%	PASS
61	0.74	0.185		0.126	0.0155	0.3		0.18	68%	PASS
62	0.73	0.184		0.126	0.0157	0.3		0.18	68%	PASS
63	0.71	0.182		0.125	0.0160	0.29		0.18	69%	PASS
64	0.70	0.181		0.122	0.0162	0.29		0.18	67%	PASS
65	0.69	0.180		0.12	0.0165	0.29		0.18	67%	PASS
66	0.68	0.178		0.119	0.0167	0.28		0.18	67%	PASS
67	0.67	0.174		0.117	0.0170	0.28		0.18	67%	PASS
68	0.66	0.173		0.115	0.0173	0.28		0.17	66%	PASS
69	0.65	0.167		0.101	0.0175	0.28		0.17	60%	PASS
70	0.64	0.161		0.093	0.0178	0.28		0.17	58%	PASS
71	0.63	0.160		0.084	0.0180	0.28		0.17	53%	PASS
72	0.63	0.160		0.081	0.0183	0.27		0.17	51%	PASS
73	0.62	0.155		0.078	0.0185	0.27		0.17	50%	PASS
74	0.61	0.153		0.074	0.0188	0.27		0.17	48%	PASS
75	0.57	0.151		0.074	0.0190	0.26		0.17	49%	PASS
76	0.57	0.151		0.074	0.0193	0.26		0.17	49%	PASS
77	0.57	0.150		0.073	0.0195	0.26		0.16	49%	PASS
78	0.57	0.150		0.072	0.0198	0.25		0.16	48%	PASS
79	0.57	0.147		0.072	0.0200	0.25		0.16	49%	PASS
80	0.56	0.125		0.072	0.0203	0.25		0.16	58%	PASS
81	0.56	0.125		0.071	0.0205	0.25		0.16	57%	PASS
82	0.55	0.118		0.071	0.0208	0.25		0.16	60%	PASS
83	0.54	0.112		0.071	0.0211	0.24		0.16	63%	PASS
84	0.54	0.109		0.07	0.0213	0.24		0.15	64%	PASS
85	0.53	0.109		0.07	0.0216	0.24		0.15	64%	PASS
86	0.52	0.107		0.068	0.0218	0.24		0.15	64%	PASS
87	0.52	0.107		0.068	0.0221	0.24		0.15	64%	PASS
88	0.51	0.103		0.068	0.0223	0.24		0.15	66%	PASS
89	0.51	0.103		0.067	0.0226	0.24		0.15	65%	PASS
90	0.50	0.102		0.067	0.0228	0.24		0.15	66%	PASS
91	0.49	0.102		0.067	0.0231	0.23		0.15	66%	PASS
92	0.49	0.101		0.066	0.0233	0.23		0.14	65%	PASS
93	0.48	0.101		0.066	0.0236	0.23		0.14	65%	PASS
94	0.48	0.101		0.066	0.0238	0.23		0.13	65%	PASS
95	0.47	0.100		0.066	0.0241	0.23		0.13	66%	PASS
96	0.47	0.099		0.065	0.0244	0.22		0.13	66%	PASS
97	0.46	0.096		0.065	0.0246	0.22		0.13	68%	PASS
98	0.46	0.096		0.065	0.0249	0.22		0.13	68%	PASS
99	0.45	0.095		0.065	0.0251	0.22		0.13	68%	PASS
100	0.45	0.095		0.065	0.0254	0.22		0.13	68%	PASS
101	0.45	0.095		0.065	0.0256	0.21		0.13	68%	PASS
102	0.42	0.095		0.064	0.0259	0.21		0.13	67%	PASS
103	0.42	0.094		0.064	0.0261	0.21		0.13	68%	PASS
104	0.42	0.093		0.064	0.0264	0.21		0.13	69%	PASS
105	0.42	0.091		0.064	0.0266	0.21		0.13	70%	PASS
106	0.42	0.091		0.064	0.0269	0.21		0.13	70%	PASS
107	0.42	0.091		0.063	0.0271	0.21		0.13	69%	PASS
108	0.42	0.091		0.063	0.0274	0.21		0.13	69%	PASS
109	0.41	0.090		0.063	0.0277	0.21		0.13	70%	PASS
110	0.41	0.090		0.061	0.0279	0.2		0.13	68%	PASS
111	0.41	0.090		0.061	0.0282	0.2		0.13	68%	PASS
112	0.40	0.090		0.061	0.0284	0.2		0.13	68%	PASS


POC A Flow Duration Curve
Flow (cfs)
1.0
0.8
0.6
0.4
0.2
0.0
0.000
0.005
0.010
0.015
0.020
0.025
0.030
0.035
0.040
0.045
% of Time Flow is Exceeded
Existing
Proposed
Mitigated

v

Soil	N-Imperv	N-Perv	D store-Imperv	D store-Perv	Zero-Imper	Suction Head	Conductivity (Existing)	Conductivity	Initial Deficit	Groundwater
A	0.012	0.15	0.05	0.1	25%	1.5	0.3	0.23	0.33	no
B	0.012	0.15	0.05	0.1	25%	3	0.2	0.15	0.32	no
C	0.012	0.15	0.05	0.1	25%	6	0.1	0.08	0.31	no
D	0.012	0.15	0.05	0.1	25%	9	0.025	0.019	0.30	no

Existing Conditions

Subcatchment ID	Outfall	Soil		Area			Max Length (ft)	Width (ft)	Elevations		Average Slope	Impervious %	Suction Head*	Conductivity (Existing)*	Initial Deficit*
		Type	%	SF	AC	Total (AC)			Max	Min					
B1	POC B	A	0%	-	0.00	1.02	360	123	545.00	540.86	1.2%	0%	8.51	0.04	0.30
		B	0%	-	0.00										
		C	16%	7,194	0.17										
		D	84%	37,178	0.85										
C1	POC C	A	0%	-	0.00	1.39	660	92	545.00	539.00	0.9%	0%	7.96	0.05	0.30
		B	0%	-	0.00										
		C	35%	21,073	0.48										
		D	65%	39,617	0.91										
B2	Linda Vista Drive	A	0%	-	0.00	1.49	410	158	546.60	542.10	1.1%	0%	6.19	0.10	0.31
		B	0%	-	0.00										
		C	94%	60,737	1.39										
		D	6%	4,150	0.10										
D1	POC D	A	0%	-	0.00	0.31	234	57	540.80	538.82	0.8%	0%	7.70	0.06	0.30
		B	0%	-	0.00										
		C	43%	5,795	0.13										
		D	57%	7,589	0.17										
Total						4.21									

**Weighted factor*

Proposed Conditions B1

Subcatchment ID	Outfall	Soil		Area			Width (ft)	Average Slope	Impervious %	Suction Head*	Conductivity (Compacted)*	Initial Deficit*
		Type	%	SF	AC	Total (AC)						
B1A	W1A	A	0%	-	0.00	0.03923	32	0.5%	100%	9.00	0.02	0.30
		B	0%	-	0.00							
		C	0%	-	0.00							
		D	100%	1,709	0.04							
B1B	W1B	A	0%	-	0.00	0.04999	16	0.5%	100%	9.00	0.02	0.30
		B	0%	-	0.00							
		C	0%	-	0.00							
		D	100%	2,178	0.05							
B1C	W1C	A	0%	-	0.00	0.04393	16	0.5%	100%	9.00	0.02	0.30
		B	0%	-	0.00							
		C	0%	-	0.00							
		D	100%	1,914	0.04							
B1D	BMP1	A	0%	-	0.00	0.04676	20	0.5%	100%	9.00	0.02	0.30
		B	0%	-	0.00							
		C	0%	-	0.00							
		D	100%	2,037	0.05							
B1E	BMP1	A	0%	-	0.00	0.03250	15	0.5%	100%	9.00	0.02	0.30
		B	0%	-	0.00							
		C	0%	-	0.00							
		D	100%	1,416	0.03							
B1F	W1D	A	0%	-	0.00	0.04258	15	0.5%	100%	9.00	0.02	0.30
		B	0%	-	0.00							
		C	0%	-	0.00							
		D	100%	1,855	0.04							
W1A	BMP1	A	0%	-	0.00	0.03439	15	0.5%	12%	9.00	0.02	0.30
		B	0%	-	0.00							
		C	0%	-	0.00							
		D	100%	1,498	0.03							
W1B	BMP1	A	0%	-	0.00	0.13913	20	0.5%	61%	9.00	0.02	0.30
		B	0%	-	0.00							
		C	0%	-	0.00							
		D	100%	6,061	0.14							
W1C	BMP1	A	0%	-	0.00	0.11618	20	0.5%	62%	9.00	0.02	0.30
		B	0%	-	0.00							
		C	0%	-	0.00							
		D	100%	5,061	0.12							
W1D	W1C	A	0%	-	0.00	0.24206	20	0.5%	75%	9.00	0.02	0.30
		B	0%	-	0.00							
		C	0%	-	0.00							
		D	100%	10,544	0.24							
BMP1	D1	A	0%	-	0.00	0.01687	10	0.5%	0%	9.00	0.02	0.30
		B	0%	-	0.00							
		C	0%	-	0.00							
		D	100%	735	0.02							
Total w/BMP						0.80	0.0080					
Total BMP						0.02						
Total w/o BMP						0.79						

**Weighted factor*

Proposed Conditions B2

Subcatchment ID	Outfall	Soil		Area			Width (ft)	Average Slope	Impervious %	Suction Head*	Conductivity (Compacted)*	Initial Deficit*
		Type	%	SF	AC	Total (AC)						
B2A	W2A	A	0%	-	0.00	0.04981	25	0.5%	100%	9.00	0.02	0.30
		B	0%	-	0.00							
		C	0%	-	0.00							

		D	100%	2,170	0.05							
B2B	BMP2	A	0%	-	0.00	0.15839	50	0.5%	100%	9.00	0.02	0.30
		B	0%	-	0.00							
		C	0%	-	0.00							
		D	100%	6,900	0.16							
B2C	BMP2	A	0%	-	0.00	0.09985	50	0.5%	100%	7.32	0.05	0.31
		B	0%	-	0.00							
		C	56%	2,436	0.06							
		D	44%	1,914	0.04							
B2D	BMP2	A	0%	-	0.00	0.04410	20	0.5%	100%	6.00	0.08	0.31
		B	0%	-	0.00							
		C	100%	1,921	0.04							
		D	0%	-	0.00							
B2E	BMP2	A	0%	-	0.00	0.04677	20	0.5%	100%	6.00	0.08	0.31
		B	0%	-	0.00							
		C	100%	2,037	0.05							
		D	0%	-	0.00							
B2F	BMP2	A	0%	-	0.00	0.00726	5	0.5%	100%	6.00	0.08	0.31
		B	0%	-	0.00							
		C	100%	316	0.01							
		D	0%	-	0.00							
B2G	BMP2	A	0%	-	0.00	0.04682	20	0.5%	100%	7.45	0.05	0.31
		B	0%	-	0.00							
		C	52%	1,051	0.02							
		D	48%	988	0.02							
B2H	BMP2	A	0%	-	0.00	0.04674	20	0.5%	100%	7.54	0.05	0.30
		B	0%	-	0.00							
		C	49%	992	0.02							
		D	51%	1,045	0.02							
B2I	BMP2	A	0%	-	0.00	0.02537	20	0.5%	100%	8.87	0.02	0.30
		B	0%	-	0.00							
		C	4%	49	0.00							
		D	96%	1,056	0.02							
W2A	BMP2	A	0%	-	0.00	0.21870	20	0.5%	86%	9.00	0.02	0.30
		B	0%	-	0.00							
		C	0%	-	0.00							
		D	100%	9,526	0.22							
W2B	W2C	A	0%	-	0.00	0.11871	20	0.5%	77%	9.00	0.02	0.30
		B	0%	-	0.00							
		C	0%	-	0.00							
		D	100%	5,171	0.12							
W2C	BMP2	A	0%	-	0.00	0.53973	20	0.5%	70%	7.21	0.05	0.31
		B	0%	-	0.00							
		C	60%	14,009	0.32							
		D	40%	9,502	0.22							
W2D	R2A	A	0%	-	0.00	0.01210	5	0.5%	26%	6.00	0.08	0.31
		B	0%	-	0.00							
		C	100%	527	0.01							
		D	0%	-	0.00							
W2E	R2B	A	0%	-	0.00	0.01743	5	0.5%	7%	6.00	0.08	0.31
		B	0%	-	0.00							
		C	100%	759	0.02							
		D	0%	-	0.00							
R2A	BMP2	A	0%	-	0.00	0.12806	58	1.0%	100%	6.00	0.08	0.31
		B	0%	-	0.00							
		C	100%	5,578	0.13							
		D	0%	-	0.00							
R2B	BMP2	A	0%	-	0.00	0.21446	58	1.0%	100%	6.00	0.08	0.31
		B	0%	-	0.00							
		C	100%	9,342	0.21							
		D	0%	-	0.00							
BMP2	D2	A	0%	-	0.00	0.01960	20	0.5%	0%	9.00	0.02	0.30
		B	0%	-	0.00							
		C	0%	-	0.00							
		D	100%	854	0.02							
Total w/BMP						1.79	0.0179					
Total BMP						0.02						
Total w/o BMP						1.77						

**Weighted factor*

Proposed Conditions B3

Subcatchment ID	Outfall	Soil		Area			Width (ft)	Average Slope	Impervious %	Suction Head*	Conductivity (Compacted)*	Initial Deficit*
		Type	%	SF	AC	Total (AC)						
B3A	W3B	A	0%	-	0.00	0.04786	16	0.5%	100%	9.00	0.02	0.30
		B	0%	-	0.00							
		C	0%	-	0.00							
		D	100%	2,085	0.05							
B3B	BMP3	A	0%	-	0.00	0.01246	5	0.5%	100%	9.00	0.02	0.30
		B	0%	-	0.00							
		C	0%	-	0.00							
		D	100%	543	0.01							
B3C	W3A	A	0%	-	0.00	0.02145	10	0.5%	100%	9.00	0.02	0.30
		B	0%	-	0.00							
		C	0%	-	0.00							
		D	100%	934	0.02							
W3A	BMP3	A	0%	-	0.00	0.07737	20	0.5%	36%	8.65	0.03	0.30
		B	0%	-	0.00							

W3A	BMP3	C	12%	391	0.01	0.07737	20	0.5%	50%	8.83	0.03	0.30
		D	88%	2,979	0.07							
W3B	BMP3	A	0%	-	0.00	0.05637	15	0.5%	77%	9.00	0.02	0.30
		B	0%	-	0.00							
		C	0%	-	0.00							
		D	100%	2,455	0.06							
W3C	R3A	A	0%	-	0.00	0.01265	5	0.5%	0%	6.00	0.08	0.31
		B	0%	-	0.00							
		C	100%	551	0.01							
		D	0%	-	0.00							
W3D	R3A	A	0%	-	0.00	0.00265	5	0.5%	83%	6.00	0.08	0.31
		B	0%	-	0.00							
		C	100%	116	0.00							
		D	0%	-	0.00							
W3E	R3A	A	0%	-	0.00	0.00049	1	0.5%	100%	6.00	0.08	0.31
		B	0%	-	0.00							
		C	100%	21	0.00							
		D	0%	-	0.00							
R3A	BMP3	A	0%	-	0.00	0.21522	40	1.0%	100%	7.35	0.05	0.31
		B	0%	-	0.00							
		C	55%	5,151	0.12							
		D	45%	4,224	0.10							
BMP3	D3	A	0%	-	0.00	0.01178	8	0.5%	0%	9.00	0.02	0.30
		B	0%	-	0.00							
		C	0%	-	0.00							
		D	100%	513	0.01							
Total w/BMP						0.46	0.0046					
Total BMP						0.01						
Total w/o BMP						0.45						

**Weighted factor*

Proposed Conditions B4

Subcatchment ID	Outfall	Soil		Area			Width (ft)	Average Slope	Impervious %	Suction Head*	Conductivity (Compacted)*	Initial Deficit*
		Type	%	SF	AC	Total (AC)						
W4A	BMP4	A	0%	-	0.00	0.18416	20	0.5%	15%	6.03	0.07	0.31
		B	0%	-	0.00							
		C	99%	7,930	0.18							
		D	1%	92	0.00							
W4B	R4A	A	0%	-	0.00	0.01667	15	0.5%	100%	6.00	0.08	0.31
		B	0%	-	0.00							
		C	100%	726	0.02							
		D	0%	-	0.00							
W4C	R4A	A	0%	-	0.00	0.01265	10	0.5%	88%	6.00	0.08	0.31
		B	0%	-	0.00							
		C	100%	551	0.01							
		D	0%	-	0.00							
W4D	R4B	A	0%	-	0.00	0.01112	5	0.5%	100%	6.00	0.08	0.31
		B	0%	-	0.00							
		C	100%	485	0.01							
		D	0%	-	0.00							
R4A	BMP4	A	0%	-	0.00	0.22677	60	0.5%	100%	6.00	0.08	0.31
		B	0%	-	0.00							
		C	100%	9,878	0.23							
		D	0%	-	0.00							
R4B	BMP4	A	0%	-	0.00	0.28371	58	0.5%	100%	6.26	0.07	0.31
		B	0%	-	0.00							
		C	91%	11,267	0.26							
		D	9%	1,091	0.03							
BMP4	D4	A	0%	-	0.00	0.01178	10	0.5%	0%	9.00	0.02	0.30
		B	0%	-	0.00							
		C	0%	-	0.00							
		D	100%	513	0.01							
Total w/BMP						0.75	0.0075					
Total BMP						0.01						
Total w/o BMP						0.74						

**Weighted factor*

Proposed Conditions D1

Subcatchment ID	Outfall	Soil		Area			Width (ft)	Average Slope	Impervious %	Suction Head*	Conductivity (Compacted)*	Initial Deficit*
		Type	%	SF	AC	Total (AC)						
B5A	R5C	A	0%	-	0.00	0.11446	16	0.5%	100%	9.00	0.02	0.30
		B	0%	-	0.00							
		C	0%	-	0.00							
		D	100%	4,986	0.11							
B5B	R5C	A	0%	-	0.00	0.02114	10	0.5%	100%	9.00	0.02	0.30
		B	0%	-	0.00							
		C	0%	-	0.00							
		D	100%	921	0.02							
W5A	R5C	A	0%	-	0.00	0.08989	5	0.5%	67%	9.00	0.02	0.30
		B	0%	-	0.00							
		C	0%	-	0.00							
		D	100%	3,916	0.09							
W5B	R5C	A	0%	-	0.00	0.07568	10	0.5%	5%	8.67	0.02	0.30
		B	0%	-	0.00							
		C	11%	357	0.01							
		D	89%	2,939	0.07							
		A	0%	-	0.00							

W5C	R5A	B	0%	-	0.00	0.05407	5	0.5%	44%	6.00	0.08	0.31
		C	100%	2,355	0.05							
		D	0%	-	0.00							
W5D	BMP5	A	0%	-	0.00	0.03827	3	0.5%	0%	6.00	0.08	0.31
		B	0%	-	0.00							
		C	100%	1,667	0.04							
		D	0%	-	0.00							
R5A	BMP5	A	0%	-	0.00	0.44874	42	1.0%	100%	6.00	0.08	0.31
		B	0%	-	0.00							
		C	100%	19,547	0.45							
		D	0%	-	0.00							
R5B	BMP5	A	0%	-	0.00	0.20685	60	1.3%	100%	6.76	0.06	0.31
		B	0%	-	0.00							
		C	75%	6,738	0.15							
		D	25%	2,273	0.05							
R5C	BMP5	A	0%	-	0.00	0.25878	62	0.5%	100%	8.52	0.03	0.30
		B	0%	-	0.00							
		C	16%	1,811	0.04							
		D	84%	9,461	0.22							
R5D	R5C	A	0%	-	0.00	0.02357	40	1.0%	100%	9.00	0.02	0.30
		B	0%	-	0.00							
		C	0%	-	0.00							
		D	100%	1,027	0.02							
BMP5	D5	A	0%	-	0.00	0.03287	30	0.5%	0%	6.00	0.08	0.31
		B	0%	-	0.00							
		C	100%	1,432	0.03							
		D	0%	-	0.00							

Total w/BMP	1.14	0.0114
Total BMP	0.03	
Total w/o BMP	1.11	

**Weighted factor*

TOTAL 4.94 0.0494

Water Quality
HydroMod

BMP	Area	Depth of Stored Water, D	Diameter of Orifice, d		Area of Orifice, Ao	Average Discharge Rate, Q_{avg}	Volume of Stored Water, V	Time Req'd to Drain Stored Water, T	Flow Coefficient, C	Divider Cutoff Flow	Riser Orifice, d		
	sf	ft	in	ft	sf	cfs	cf	hr	in/hr	cfs	in	ft	offset (ft)
B1	794	1.00	1	0.083	0.00545	0.01856036	1945.3	29.11	0.2380	0.0455	2	0.167	0.50
B2	2050	1.00	1	0.083	0.00545	0.01856036	5022.5	75.17	0.0922	0.0455	2	0.167	0.50
B3	510	1.00	1	0.083	0.00545	0.01856036	1249.5	18.70	0.3705	0.0455	2	0.167	0.50
B4	930	1.00	1	0.083	0.00545	0.01856036	2278.5	34.10	0.2032	0.0455	2	0.167	0.50
D1	1450	1.00	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
D1-DET	1500	3.00	1.5	0.125	0.01227	0.07233184	3675	14.11	0.8503	0.1321	6	0.500	2.50

EAST

HYDROMODIFICATION MODELING RESEARCH PROJECT
ARTIST VILLAGE POC D

THIS POC	PASSES
Time Steps > 110%	0
Time Steps = 110%	0
Max % =	85%

Record Period = 45 Years = 16,425 days = 394,200 hours
% time Flow Exceeded = 100*m/(394200+1)

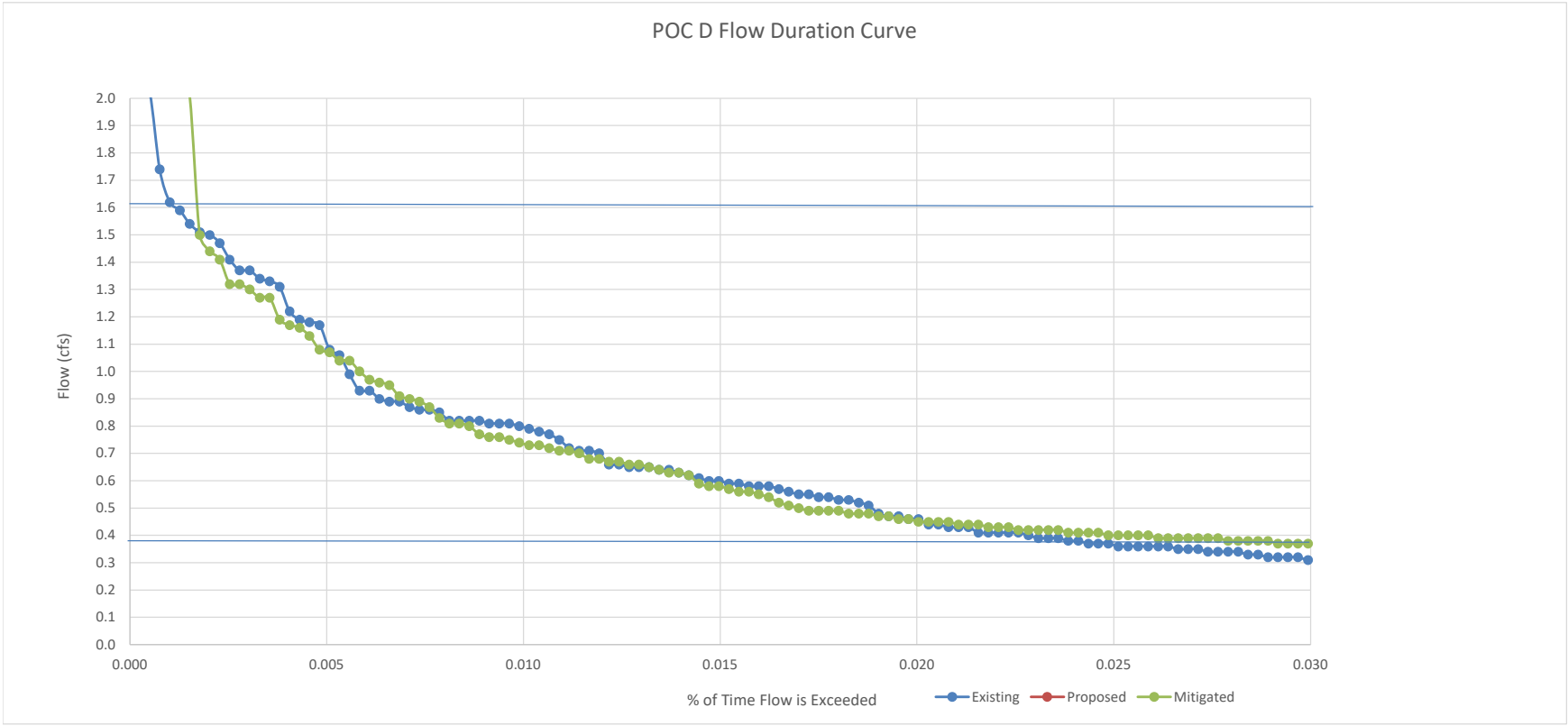
Rank (m)	Return Interval (yrs)	Peak Flow (cfs)			% Time Flow Exceeded	Hourly Flow Data (cfs) (Duration Calc)			Percentage	PASS/FAIL
		Exist. Cond.	Prop. Cond.	Prop. w/BMP		Exist. Cond.	Prop. Cond.	Prop. w/BMP		
1	45.00	2.08		2.652	0.0003	2.08		2.65	128%	FAIL
2	22.50	2.016		2.363	0.0005	2.02		2.42	117%	FAIL
3	15.00	1.738		1.435	0.0008	1.74		2.36	83%	PASS
4	11.25	1.619		1.319	0.0010	1.62		2.36	81%	PASS
5	9.00	1.509		1.273	0.0013	1.59		2.21	84%	PASS
6	7.50	1.504		1.268	0.0015	1.54		2.01	84%	PASS
7	6.43	1.372		1.169	0.0018	1.51		1.5	85%	PASS
8	5.63	1.334		1.127	0.0020	1.5		1.44	84%	PASS
9	5.00	1.312		0.967	0.0023	1.47		1.41	74%	PASS
10	4.50	1.22		0.961	0.0025	1.41		1.32	79%	PASS
11	4.09	1.189		0.77	0.0028	1.37		1.32	65%	PASS
12	3.75	1.181		0.712	0.0030	1.37		1.3	60%	PASS
13	3.46	1.079		0.703	0.0033	1.34		1.27	65%	PASS
14	3.21	1.056		0.677	0.0036	1.33		1.27	64%	PASS
15	3.00	0.99		0.662	0.0038	1.31		1.19	67%	PASS
16	2.81	0.93		0.65	0.0041	1.22		1.17	70%	PASS
17	2.50	0.887		0.5	0.0043	1.19		1.16	56%	PASS
18	2.50	0.825		0.48	0.0046	1.18		1.13	58%	PASS
19	2.37	0.822		0.467	0.0048	1.17		1.08	57%	PASS
20	2.25	0.816		0.44	0.0051	1.08		1.07	54%	PASS
21	2.14	0.796		0.348	0.0053	1.06		1.04	44%	PASS
22	2.05	0.782		0.332	0.0056	0.99		1.04	42%	PASS
23	1.96	0.773		0.325	0.0058	0.93		1	42%	PASS
24	1.80	0.751		0.311	0.0061	0.93		0.97	41%	PASS
25	1.80	0.723		0.299	0.0063	0.9		0.96	41%	PASS
26	1.73	0.699		0.294	0.0066	0.89		0.95	42%	PASS
27	1.67	0.665		0.289	0.0068	0.89		0.91	43%	PASS
28	1.61	0.663		0.282	0.0071	0.87		0.9	43%	PASS
29	1.55	0.654		0.281	0.0074	0.86		0.89	43%	PASS
30	1.50	0.639		0.27	0.0076	0.86		0.87	42%	PASS
31	1.45	0.631		0.25	0.0079	0.85		0.83	40%	PASS
32	1.41	0.611		0.244	0.0081	0.82		0.81	40%	PASS
33	1.36	0.603		0.243	0.0084	0.82		0.81	40%	PASS
34	1.32	0.602		0.242	0.0086	0.82		0.8	40%	PASS
35	1.29	0.594		0.238	0.0089	0.82		0.77	40%	PASS
36	1.25	0.582		0.236	0.0091	0.81		0.76	41%	PASS
37	1.22	0.521		0.232	0.0094	0.81		0.76	45%	PASS
38	1.18	0.48		0.231	0.0096	0.81		0.75	48%	PASS
39	1.15	0.47		0.226	0.0099	0.8		0.74	48%	PASS
40	1.13	0.436		0.223	0.0101	0.79		0.73	51%	PASS
41	1.07	0.429		0.222	0.0104	0.78		0.73	52%	PASS
42	1.07	0.409		0.221	0.0107	0.77		0.72	54%	PASS
43	1.05	0.402		0.218	0.0109	0.75		0.71	54%	PASS
44	1.02	0.389		0.218	0.0112	0.72		0.71	56%	PASS
45	1.00	0.389		0.218	0.0114	0.71		0.7	56%	PASS
46	0.98	0.387		0.215	0.0117	0.71		0.68	56%	PASS
47	0.96	0.384		0.209	0.0119	0.7		0.68	54%	PASS
48	0.94	0.377		0.207	0.0122	0.66		0.67	55%	PASS
49	0.92	0.372		0.206	0.0124	0.66		0.67	55%	PASS
50	0.90	0.371		0.205	0.0127	0.65		0.66	55%	PASS
51	0.88	0.355		0.197	0.0129	0.65		0.66	55%	PASS
52	0.87	0.348		0.196	0.0132	0.65		0.65	56%	PASS
53	0.85	0.345		0.195	0.0134	0.64		0.64	57%	PASS
54	0.83	0.337		0.192	0.0137	0.64		0.63	57%	PASS
55	0.82	0.331		0.191	0.0140	0.63		0.63	58%	PASS
56	0.79	0.311		0.19	0.0142	0.62		0.62	61%	PASS

HYDROMODIFICATION MODELING RESEARCH PROJECT
ARTIST VILLAGE POC D

Record Period = 45 Years = 16,425 days = 394,200 hours
% time Flow Exceeded = 100*m/(394200+1)

THIS POC	PASSES
Time Steps > 110%	0
Time Steps = 110%	0
Max % =	85%

Rank (m)	Return Interval (yrs)	Peak Flow (cfs)			% Time Flow Exceeded	Hourly Flow Data (cfs) (Duration Calc)			Percentage	PASS/FAIL
		Exist. Cond.	Prop. Cond.	Prop. w/BMP		Exist. Cond.	Prop. Cond.	Prop. w/BMP		
57	0.79	0.307		0.19	0.0145	0.61		0.59	62%	PASS
58	0.78	0.305		0.188	0.0147	0.6		0.58	62%	PASS
59	0.76	0.273		0.187	0.0150	0.6		0.58	68%	PASS
60	0.75	0.262		0.186	0.0152	0.59		0.57	71%	PASS
61	0.74	0.259		0.184	0.0155	0.59		0.56	71%	PASS
62	0.73	0.257		0.184	0.0157	0.58		0.56	72%	PASS
63	0.71	0.256		0.184	0.0160	0.58		0.55	72%	PASS
64	0.70	0.246		0.183	0.0162	0.58		0.54	74%	PASS
65	0.69	0.244		0.182	0.0165	0.57		0.52	75%	PASS
66	0.68	0.244		0.18	0.0167	0.56		0.51	74%	PASS
67	0.67	0.232		0.178	0.0170	0.55		0.5	77%	PASS
68	0.66	0.231		0.177	0.0173	0.55		0.49	77%	PASS
69	0.65	0.225		0.176	0.0175	0.54		0.49	78%	PASS
70	0.64	0.222		0.176	0.0178	0.54		0.49	79%	PASS
71	0.63	0.221		0.176	0.0180	0.53		0.49	80%	PASS
72	0.63	0.217		0.173	0.0183	0.53		0.48	80%	PASS
73	0.62	0.201		0.173	0.0185	0.52		0.48	86%	PASS
74	0.61	0.2		0.172	0.0188	0.51		0.48	86%	PASS
75	0.57	0.199		0.171	0.0190	0.48		0.47	86%	PASS
76	0.57	0.192		0.171	0.0193	0.47		0.47	89%	PASS
77	0.57	0.19		0.169	0.0195	0.47		0.46	89%	PASS
78	0.57	0.19		0.168	0.0198	0.46		0.46	88%	PASS
79	0.57	0.186		0.167	0.0200	0.46		0.45	90%	PASS
80	0.56	0.178		0.165	0.0203	0.44		0.45	93%	PASS
81	0.56	0.177		0.164	0.0205	0.44		0.45	93%	PASS
82	0.55	0.173		0.162	0.0208	0.43		0.45	94%	PASS
83	0.54	0.173		0.158	0.0211	0.43		0.44	91%	PASS
84	0.54	0.169		0.155	0.0213	0.43		0.44	92%	PASS
85	0.53	0.168		0.154	0.0216	0.41		0.44	92%	PASS
86	0.52	0.162		0.154	0.0218	0.41		0.43	95%	PASS
87	0.52	0.161		0.15	0.0221	0.41		0.43	93%	PASS
88	0.51	0.161		0.148	0.0223	0.41		0.43	92%	PASS
89	0.51	0.16		0.145	0.0226	0.41		0.42	91%	PASS
90	0.50	0.16		0.145	0.0228	0.4		0.42	91%	PASS
91	0.49	0.157		0.144	0.0231	0.39		0.42	92%	PASS
92	0.49	0.157		0.142	0.0233	0.39		0.42	90%	PASS
93	0.48	0.154		0.141	0.0236	0.39		0.42	92%	PASS
94	0.48	0.148		0.141	0.0238	0.38		0.41	95%	PASS
95	0.47	0.148		0.141	0.0241	0.38		0.41	95%	PASS
96	0.47	0.144		0.141	0.0244	0.37		0.41	98%	PASS
97	0.46	0.143		0.14	0.0246	0.37		0.41	98%	PASS
98	0.46	0.142		0.14	0.0249	0.37		0.4	99%	PASS
99	0.45	0.141		0.139	0.0251	0.36		0.4	99%	PASS
100	0.45	0.137		0.139	0.0254	0.36		0.4	101%	PASS
101	0.45	0.136		0.138	0.0256	0.36		0.4	101%	PASS
102	0.42	0.135		0.138	0.0259	0.36		0.4	102%	PASS
103	0.42	0.134		0.138	0.0261	0.36		0.39	103%	PASS
104	0.42	0.132		0.136	0.0264	0.36		0.39	103%	PASS
105	0.42	0.131		0.136	0.0266	0.35		0.39	104%	PASS
106	0.42	0.127		0.136	0.0269	0.35		0.39	107%	PASS
107	0.42	0.126		0.135	0.0271	0.35		0.39	107%	PASS
108	0.42	0.123		0.134	0.0274	0.34		0.39	109%	PASS
109	0.41	0.122		0.133	0.0277	0.34		0.39	109%	PASS
110	0.41	0.115		0.133	0.0279	0.34		0.38	116%	FAIL
111	0.41	0.114		0.132	0.0282	0.34		0.38	116%	FAIL
112	0.40	0.111		0.131	0.0284	0.33		0.38	118%	FAIL


POC D Flow Duration Curve
Flow (cfs)
2.0
1.9
1.8
1.7
1.6
1.5
1.4
1.3
1.2
1.1
1.0
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0.0
0.000
0.005
0.010
0.015
0.020
0.025
0.030
% of Time Flow is Exceeded
Existing
Proposed
Mitigated

ATTACHMENT 3
Structural BMP Maintenance Information

This is the cover sheet for Attachment 3.

Indicate which Items are Included behind this cover sheet:

Attachment Sequence	Contents	Checklist
Attachment 3a	Structural BMP Maintenance Thresholds and Actions (Required)	☐ Included See Structural BMP Maintenance Information Checklist on the back of this Attachment cover sheet.
Attachment 3b	Draft Maintenance Agreement (when applicable)	☐ Included ☐ Not Applicable

Use this checklist to ensure the required information has been included in the Structural BMP Maintenance Information Attachment:

☐ **Preliminary Design / Planning / CEQA level submittal:**

Attachment 3a must identify:

☐ Typical maintenance indicators and actions for proposed structural BMP(s) based on Section 7.7 of the BMP Design Manual

Attachment 3b is not required for preliminary design / planning / CEQA level submittal.

☐ **Final Design level submittal:**

Attachment 3a must identify:

☐ Specific maintenance indicators and actions for proposed structural BMP(s). This shall be based on Section 7.7 of the BMP Design Manual and enhanced to reflect actual proposed components of the structural BMP(s)
☐ How to access the structural BMP(s) to inspect and perform maintenance
☐ Features that are provided to facilitate inspection (e.g., observation ports, cleanouts, silt posts, or other features that allow the inspector to view necessary components of the structural BMP and compare to maintenance thresholds)
☐ Manufacturer and part number for proprietary parts of structural BMP(s) when applicable
☐ Maintenance thresholds specific to the structural BMP(s), with a location-specific frame of reference (e.g., level of accumulated materials that triggers removal of the materials, to be identified based on viewing marks on silt posts or measured with a survey rod with respect to a fixed benchmark within the BMP)
☐ Recommended equipment to perform maintenance
☐ When applicable, necessary special training or certification requirements for inspection and maintenance personnel such as confined space entry or hazardous waste management

Attachment 3b: For private entity operation and maintenance, Attachment 3b shall include a draft maintenance agreement in the local jurisdiction's standard format (PDP applicant to contact the [City Engineer] to obtain the current maintenance agreement forms).

E.18 BF-1 Biofiltration

Location: 43rd Street and Logan Avenue, San Diego, California

MS4 Permit Category
Biofiltration

Manual Category
Biofiltration

Applicable Performance Standard
Pollutant Control
Flow Control

Primary Benefits
Treatment
Volume Reduction (Incidental)
Peak Flow Attenuation (Optional)

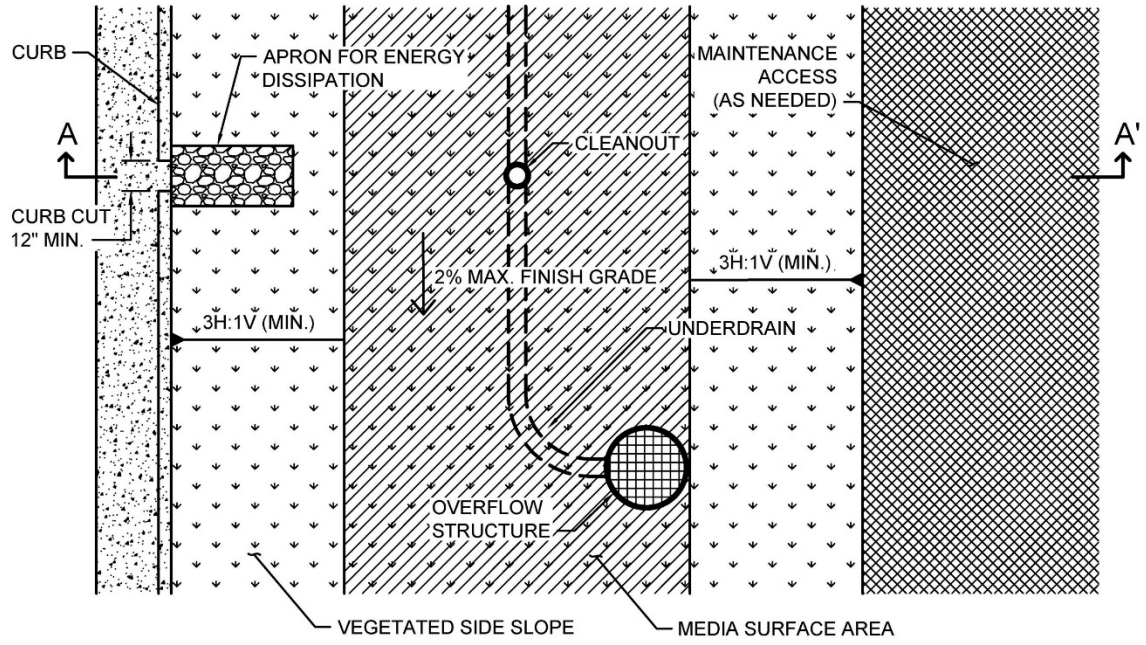
Description

Biofiltration (Bioretention with underdrain) facilities are vegetated surface water systems that filter water through vegetation, and soil or engineered media prior to discharge via underdrain or overflow to the downstream conveyance system. Bioretention with underdrain facilities are commonly incorporated into the site within parking lot landscaping, along roadsides, and in open spaces. Because these types of facilities have limited or no infiltration, they are typically designed to provide enough hydraulic head to move flows through the underdrain connection to the storm drain system. Treatment is achieved through filtration, sedimentation, sorption, biochemical processes and plant uptake.

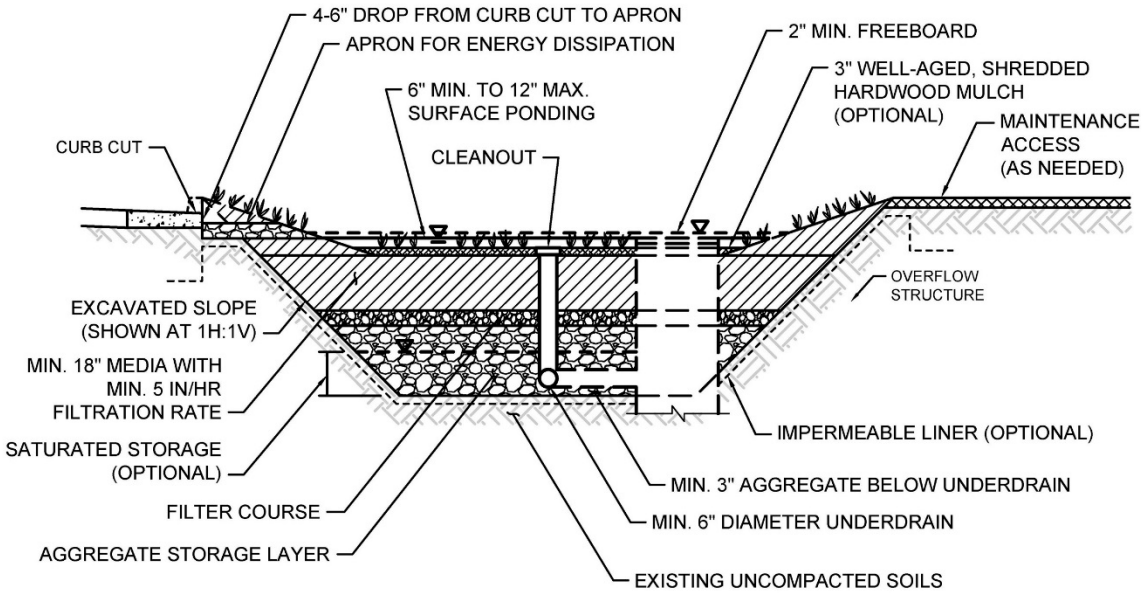
Typical bioretention with underdrain components include:

- Inflow distribution mechanisms (e.g, perimeter flow spreader or filter strips)
- Energy dissipation mechanism for concentrated inflows (e.g., splash blocks or riprap)
- Shallow surface ponding for captured flows
- Side slope and basin bottom vegetation selected based on expected climate and ponding depth
- Non-floating mulch layer (Optional)
- Media layer (planting mix or engineered media) capable of supporting vegetation growth
- Filter course layer consisting of aggregate to prevent the migration of fines into uncompacted native soils or the aggregate storage layer
- Aggregate storage layer with underdrain(s)

- Impermeable liner or uncompacted native soils at the bottom of the facility
- Overflow structure



PLAN
NOT TO SCALE



SECTION A-A'
NOT TO SCALE

Typical plan and Section view of a Biofiltration BMP

Design Adaptations for Project Goals

Biofiltration Treatment BMP for storm water pollutant control. The system is lined or un-lined to provide incidental infiltration, and an underdrain is provided at the bottom to carry away filtered runoff. This configuration is considered to provide biofiltration treatment via flow through the media layer. Storage provided above the underdrain within surface ponding, media, and aggregate storage is considered included in the biofiltration treatment volume. Saturated storage within the aggregate storage layer can be added to this design by raising the underdrain above the bottom of the aggregate storage layer or via an internal weir structure designed to maintain a specific water level elevation.

Integrated storm water flow control and pollutant control configuration. The system can be designed to provide flow rate and duration control by primarily providing increased surface ponding and/or having a deeper aggregate storage layer above the underdrain. This will allow for significant detention storage, which can be controlled via inclusion of an outlet structure at the downstream end of the underdrain.

Recommended Siting Criteria

Siting Criteria		*Intent/Rationale*
☐	Placement observes geotechnical recommendations regarding potential hazards (e.g., slope stability, landslides, liquefaction zones) and setbacks (e.g., slopes, foundations, utilities).	Must not negatively impact existing site geotechnical concerns.
☐	An impermeable liner or other hydraulic restriction layer is included if site constraints indicate that infiltration or lateral flows should not be allowed.	Lining prevents storm water from impacting groundwater and/or sensitive environmental or geotechnical features. Incidental infiltration, when allowable, can aid in pollutant removal and groundwater recharge.
☐	Contributing tributary area shall be ≤ 5 acres (≤ 1 acre preferred).	Bigger BMPs require additional design features for proper performance. Contributing tributary area greater than 5 acres may be allowed at the discretion of the [City Engineer} if the following conditions are met: 1) incorporate design features (e.g. flow spreaders) to minimizing short circuiting of flows in the

Siting Criteria	*Intent/Rationale*
	BMP and 2) incorporate additional design features requested by the [City Engineer] for proper performance of the regional BMP.
☐ Finish grade of the facility is ≤ 2%.	Flatter surfaces reduce erosion and channelization within the facility.

Recommended BMP Component Dimensions

BMP Component	*Dimension*	*Intent/Rationale*
Freeboard	≥ 12 inches	Freeboard provides room for head over overflow structures and minimizes risk of uncontrolled surface discharge.
Surface Ponding	≥ 6 and ≤ 12 inches	Surface ponding capacity lowers subsurface storage requirements. Deep surface ponding raises safety concerns. Surface ponding depth greater than 12 inches (for additional pollutant control or surface outlet structures or flow-control orifices) may be allowed at the discretion of the [City Engineer] if the following conditions are met: 1) surface ponding depth drawdown time is less than 24 hours; and 2) safety issues and fencing requirements are considered (typically ponding greater than 18" will require a fence and/or flatter side slopes) and 3) potential for elevated clogging risk is considered.
Ponding Area Side Slopes	3H:1V or shallower	Gentler side slopes are safer, less prone to erosion, able to establish vegetation more quickly and easier to maintain.
Mulch	≥ 3 inches	Mulch will suppress weeds and maintain moisture for plant growth. Aging mulch kills pathogens and weed seeds and allows the beneficial microbes to multiply.

Media Layer	≥ 18 inches	A deep media layer provides additional filtration and supports plants with deeper roots. Standard specifications shall be followed. For non-standard or proprietary designs, compliance with F.1 ensures that adequate treatment performance will be provided.
Underdrain Diameter	≥ 6 inches	Smaller diameter underdrains are prone to clogging.
Cleanout Diameter	≥ 6 inches	Properly spaced cleanouts will facilitate underdrain maintenance.

Design Criteria and Considerations

Bioretention with underdrain must meet the following design criteria. Deviations from the below criteria may be approved at the discretion of the [City Engineer] if it is determined to be appropriate:

Siting and Design		*Intent/Rationale*
Surface Ponding		
☐	Surface ponding is limited to a 24-hour drawdown time.	Surface ponding limited to 24 hours for plant health. Surface ponding drawdown time greater than 24-hours but less than 96 hours may be allowed at the discretion of the [City Engineer] if certified by a landscape architect or agronomist.
Vegetation		
☐	Plantings are suitable for the climate and expected ponding depth. A plant list to aid in selection can be found in Appendix E.20.	Plants suited to the climate and ponding depth are more likely to survive.
☐	An irrigation system with a connection to water supply should be provided as needed.	Seasonal irrigation might be needed to keep plants healthy.
Mulch (Optional or Mandatory – Dependent on jurisdiction)		
☐	A minimum of 3 inches of well-aged, shredded hardwood mulch that has been stockpiled or stored for at least 12 months is provided.	Mulch will suppress weeds and maintain moisture for plant growth. Aging mulch kills pathogens and weed seeds and allows the beneficial microbes to multiply.

Siting and Design		*Intent/Rationale*
Media Layer		
☐	Media maintains a minimum filtration rate of 5 in/hr over lifetime of facility. An initial filtration rate of 8 to 12 in/hr is recommended to allow for clogging over time; the initial filtration rate should not exceed 12 inches per hour.	A filtration rate of at least 5 inches per hour allows soil to drain between events. The initial rate should be higher than long term target rate to account for clogging over time. However an excessively high initial rate can have a negative impact on treatment performance, therefore an upper limit is needed.
☐	Media is a minimum 18 inches deep, meeting either of these two media specifications: Section F.3 Bioretention Soil Media (BSM) or specific jurisdictional guidance. Alternatively, for proprietary designs and custom media mixes not meeting the media specifications contained in the 2016 City Storm Water Standards or County LID Manual, the media meets the pollutant treatment performance criteria in Section F.1.	A deep media layer provides additional filtration and supports plants with deeper roots. Standard specifications shall be followed. For non-standard or proprietary designs, compliance with F.1 ensures that adequate treatment performance will be provided.
☐	Media surface area is 3% of contributing area times adjusted runoff factor or greater. Unless demonstrated that the BMP surface area can be smaller than 3%.	Greater surface area to tributary area ratios: a) maximizes volume retention as required by the MS4 Permit and b) decrease loading rates per square foot and therefore increase longevity. Adjusted runoff factor is to account for site design BMPs implemented upstream of the BMP (such as rain barrels, impervious area dispersion, etc.). Refer to Appendix B.2 guidance. Use Worksheet B.5-1 Line 26 to estimate the minimum surface area required per this criteria.
☐	Where receiving waters are impaired or have a TMDL for nutrients, the system is designed with nutrient sensitive media design (see fact sheet BF-2).	Potential for pollutant export is partly a function of media composition; media design must minimize potential for export of nutrients, particularly where receiving waters are impaired for nutrients.

Siting and Design		*Intent/Rationale*
Filter Course Layer		
☐	A filter course is used to prevent migration of fines through layers of the facility. Filter fabric is not used.	Migration of media can cause clogging of the aggregate storage layer void spaces or subgrade. Filter fabric is more likely to clog.
☐	Filter course is washed and free of fines.	Washing aggregate will help eliminate fines that could clog the facility and impede infiltration.
☐	Filter course calculations assessing suitability for particle migration prevention have been completed.	Gradation relationship between layers can evaluate factors (e.g., bridging, permeability, and uniformity) to determine if particle sizing is appropriate or if an intermediate layer is needed.
Aggregate Storage Layer		
☐	Class 2 Permeable per Caltrans specification 68-1.025 is recommended for the storage layer. Washed, open-graded crushed rock may be used, however a 4-6 inch washed pea gravel filter course layer at the top of the crushed rock is required.	Washing aggregate will help eliminate fines that could clog the aggregate storage layer void spaces or subgrade.
☐	The depth of aggregate provided (12-inch typical) and storage layer configuration is adequate for providing conveyance for underdrain flows to the outlet structure.	Proper storage layer configuration and underdrain placement will minimize facility drawdown time.
Inflow, Underdrain, and Outflow Structures		
☐	Inflow, underdrains and outflow structures are accessible for inspection and maintenance.	Maintenance will prevent clogging and ensure proper operation of the flow control structures.
☐	Inflow velocities are limited to 3 ft/s or less or use energy dissipation methods. (e.g., riprap, level spreader) for concentrated inflows.	High inflow velocities can cause erosion, scour and/or channeling.
☐	Curb cut inlets are at least 12 inches wide, have a 4-6 inch reveal (drop) and an apron and energy dissipation as needed.	Inlets must not restrict flow and apron prevents blockage from vegetation as it grows in. Energy dissipation prevents erosion.

Siting and Design		*Intent/Rationale*
☐	Underdrain outlet elevation should be a minimum of 3 inches above the bottom elevation of the aggregate storage layer.	A minimal separation from subgrade or the liner lessens the risk of fines entering the underdrain and can improve hydraulic performance by allowing perforations to remain unblocked.
☐	Minimum underdrain diameter is 6 inches.	Smaller diameter underdrains are prone to clogging.
☐	Underdrains are made of slotted, PVC pipe conforming to ASTM D 3034 or equivalent or corrugated, HDPE pipe conforming to AASHTO 252M or equivalent.	Slotted underdrains provide greater intake capacity, clog resistant drainage, and reduced entrance velocity into the pipe, thereby reducing the chances of solids migration.
☐	An underdrain cleanout with a minimum 6-inch diameter and lockable cap is placed every 250 to 300 feet as required based on underdrain length.	Properly spaced cleanouts will facilitate underdrain maintenance.
☐	Overflow is safely conveyed to a downstream storm drain system or discharge point Size overflow structure to pass 100-year peak flow for on-line infiltration basins and water quality peak flow for off-line basins.	Planning for overflow lessens the risk of property damage due to flooding.

Conceptual Design and Sizing Approach for Storm Water Pollutant Control Only

To design bioretention with underdrain for storm water pollutant control only (no flow control required), the following steps should be taken:

1. Verify that siting and design criteria have been met, including placement requirements, contributing tributary area, maximum side and finish grade slopes, and the recommended media surface area tributary ratio.
2. Calculate the DCV per Appendix B based on expected site design runoff for tributary areas.
3. Use the sizing worksheet presented in Appendix B.5 to size biofiltration BMPs.

Conceptual Design and Sizing Approach when Storm Water Flow Control is Applicable

Control of flow rates and/or durations will typically require significant surface ponding and/or aggregate storage volumes, and therefore the following steps should be taken prior to determination of storm water pollutant control design. Pre-development and allowable post-project flow rates and durations should be determined as discussed in Chapter 6 of the manual.

1. Verify that siting and design criteria have been met, including placement requirements, contributing tributary area, maximum side and finish grade slopes, and the recommended media surface area tributary ratio.
2. Iteratively determine the facility footprint area, surface ponding and/or aggregate storage layer depth required to provide detention storage to reduce flow rates and durations to allowable limits. Flow rates and durations can be controlled from detention storage by altering outlet structure orifice size(s) and/or water control levels. Multi-level orifices can be used within an outlet structure to control the full range of flows.
3. If bioretention with underdrain cannot fully provide the flow rate and duration control required by this manual, an upstream or downstream structure with significant storage volume such as an underground vault can be used to provide remaining controls.
4. After bioretention with underdrain has been designed to meet flow control requirements, calculations must be completed to verify if storm water pollutant control requirements to treat the DCV have been met.

Maintenance Overview

Normal Expected Maintenance. Biofiltration requires routine maintenance to: remove accumulated materials such as sediment, trash or debris; maintain vegetation health; maintain infiltration capacity of the media layer; replenish mulch; and maintain integrity of side slopes, inlets, energy dissipators, and outlets. A summary table of standard inspection and maintenance indicators is provided within this Fact Sheet.

Non-Standard Maintenance or BMP Failure. If any of the following scenarios are observed, the BMP is not performing as intended to protect downstream waterways from pollution and/or erosion. Corrective maintenance, increased inspection and maintenance, BMP replacement, or a different BMP type will be required.

- The BMP is not drained between storm events. Surface ponding longer than approximately 24 hours following a storm event may be detrimental to vegetation health, and surface ponding longer than approximately 96 hours following a storm event poses a risk of vector (mosquito) breeding. Poor drainage can result from clogging of the media layer, filter course, aggregate storage layer, underdrain, or outlet structure. The specific cause of the drainage issue must be determined and corrected.
- Sediment, trash, or debris accumulation greater than 25% of the surface ponding volume within one month. This means the load from the tributary drainage area is too high, reducing BMP function or clogging the BMP. This would require pretreatment measures within the tributary area draining to the BMP to intercept the materials. Pretreatment components, especially for sediment, will extend the life of components that are more expensive to replace such as media, filter course, and aggregate layers.

- Erosion due to concentrated storm water runoff flow that is not readily corrected by adding erosion control blankets, adding stone at flow entry points, or minor re-grading to restore proper drainage according to the original plan. If the issue is not corrected by restoring the BMP to the original plan and grade, the [City Engineer] shall be contacted prior to any additional repairs or reconstruction.

Other Special Considerations. Biofiltration is a vegetated structural BMP. Vegetated structural BMPs that are constructed in the vicinity of, or connected to, an existing jurisdictional water or wetland could inadvertently result in creation of expanded waters or wetlands. As such, vegetated structural BMPs have the potential to come under the jurisdiction of the United States Army Corps of Engineers, SDRWQCB, California Department of Fish and Wildlife, or the United States Fish and Wildlife Service. This could result in the need for specific resource agency permits and costly mitigation to perform maintenance of the structural BMP. Along with proper placement of a structural BMP, routine maintenance is key to preventing this scenario.

Sediment Loading. Consider the effects of BMP design and tributary area land uses on the clogging potential of the BMP. Complete the sediment loading analysis included in Appendix E.27.

Summary of Standard Inspection and Maintenance

The property owner is responsible to ensure inspection, operation and maintenance of permanent BMPs on their property unless responsibility has been formally transferred to an agency, community facilities district, homeowners association, property owners association, or other special district.

Maintenance frequencies listed in this table are average/typical frequencies. Actual maintenance needs are site-specific, and maintenance may be required more frequently. Maintenance must be performed whenever needed, based on maintenance indicators presented in this table. The BMP owner is responsible for conducting regular inspections to see when maintenance is needed based on the maintenance indicators. During the first year of operation of a structural BMP, inspection is recommended at least once prior to August 31 and then monthly from September through May. Inspection during a storm event is also recommended. After the initial period of frequent inspections, the minimum inspection and maintenance frequency can be determined based on the results of the first year inspections.

Threshold/Indicator	Maintenance Action	Typical Maintenance Frequency
Accumulation of sediment, litter, or debris	Remove and properly dispose of accumulated materials, without damage to the vegetation or compaction of the media layer.	• Inspect monthly. If the BMP is 25% full* or more in one month, increase inspection frequency to monthly plus after every 0.1-inch or larger storm event. • Remove any accumulated materials found at each inspection.
Obstructed inlet or outlet structure	Clear blockage.	• Inspect monthly and after every 0.5-inch or larger storm event. • Remove any accumulated materials found at each inspection.
Damage to structural components such as weirs, inlet or outlet structures	Repair or replace as applicable	• Inspect annually. • Maintain when needed.

Threshold/Indicator	Maintenance Action	Typical Maintenance Frequency
Poor vegetation establishment	Re-seed, re-plant, or re-establish vegetation per original plans.	• Inspect monthly. • Maintain when needed.
Dead or diseased vegetation	Remove dead or diseased vegetation, re-seed, re-plant, or re-establish vegetation per original plans.	• Inspect monthly. • Maintain when needed.
Overgrown vegetation	Mow or trim as appropriate.	• Inspect monthly. • Maintain when needed.
2/3 of mulch has decomposed, or mulch has been removed	Remove decomposed fraction and top off with fresh mulch to a total depth of 3 inches.	• Inspect monthly. • Replenish mulch annually, or more frequently when needed based on inspection.
Erosion due to concentrated irrigation flow	Repair/re-seed/re-plant eroded areas and adjust the irrigation system.	• Inspect monthly. • Maintain when needed.

Threshold/Indicator	Maintenance Action	Typical Maintenance Frequency
Erosion due to concentrated storm water runoff flow	Repair/re-seed/re-plant eroded areas, and make appropriate corrective measures such as adding erosion control blankets, adding stone at flow entry points, or minor re-grading to restore proper drainage according to the original plan. If the issue is not corrected by restoring the BMP to the original plan and grade, the [City Engineer] shall be contacted prior to any additional repairs or reconstruction.	• Inspect after every 0.5-inch or larger storm event. If erosion due to storm water flow has been observed, increase inspection frequency to after every 0.1-inch or larger storm event. • Maintain when needed. If the issue is not corrected by restoring the BMP to the original plan and grade, the [City Engineer] shall be contacted prior to any additional repairs or reconstruction.
Standing water in BMP for longer than 24 hours following a storm event Surface ponding longer than approximately 24 hours following a storm event may be detrimental to vegetation health	Make appropriate corrective measures such as adjusting irrigation system, removing obstructions of debris or invasive vegetation, clearing underdrains, or repairing/replacing clogged or compacted soils.	• Inspect monthly and after every 0.5-inch or larger storm event. If standing water is observed, increase inspection frequency to after every 0.1-inch or larger storm event. • Maintain when needed.

Threshold/Indicator	Maintenance Action	Typical Maintenance Frequency
Presence of mosquitos/larvae For images of egg rafts, larva, pupa, and adult mosquitos, see http://www.mosquito.org/biology	If mosquitos/larvae are observed: first, immediately remove any standing water by dispersing to nearby landscaping; second, make corrective measures as applicable to restore BMP drainage to prevent standing water. If mosquitos persist following corrective measures to remove standing water, or if the BMP design does not meet the 96-hour drawdown criteria due to release rates controlled by an orifice installed on the underdrain, the [City Engineer] shall be contacted to determine a solution. A different BMP type, or a Vector Management Plan prepared with concurrence from the County of San Diego Department of Environmental Health, may be required.	• Inspect monthly and after every 0.5-inch or larger storm event. If mosquitos are observed, increase inspection frequency to after every 0.1-inch or larger storm event. • Maintain when needed.
Underdrain clogged	Clear blockage.	Inspect if standing water is observed for longer than 24-96 hours following a storm event. Maintain when needed.

"25% full" is defined as ¼ of the depth from the design bottom elevation to the crest of the outflow structure (e.g., if the height to the outflow opening is 12 inches from the bottom elevation, then the materials must be removed when there is 3 inches of accumulation – this should be marked on the outflow structure).

ATTACHMENT 4
Copy of Plan Sheets Showing Permanent Storm Water BMPs

This is the cover sheet for Attachment 4.

Use this checklist to ensure the required information has been included on the plans:

The plans must identify:

- ☐ Structural BMP(s) with ID numbers matching Form I-6 Summary of PDP Structural BMPs
- ☐ The grading and drainage design shown on the plans must be consistent with the delineation of DMAs shown on the DMA exhibit
- ☐ Details and specifications for construction of structural BMP(s)
- ☐ Signage indicating the location and boundary of structural BMP(s) as required by the [City Engineer]
- ☐ How to access the structural BMP(s) to inspect and perform maintenance
- ☐ Features that are provided to facilitate inspection (e.g., observation ports, cleanouts, silt posts, or other features that allow the inspector to view necessary components of the structural BMP and compare to maintenance thresholds)
- ☐ Manufacturer and part number for proprietary parts of structural BMP(s) when applicable
- ☐ Maintenance thresholds specific to the structural BMP(s), with a location-specific frame of reference (e.g., level of accumulated materials that triggers removal of the materials, to be identified based on viewing marks on silt posts or measured with a survey rod with respect to a fixed benchmark within the BMP)
- ☐ Recommended equipment to perform maintenance
- ☐ When applicable, necessary special training or certification requirements for inspection and maintenance personnel such as confined space entry or hazardous waste management
- ☐ Include landscaping plan sheets showing vegetation requirements for vegetated structural BMP(s)
- ☐ All BMPs must be fully dimensioned on the plans
- ☐ When proprietary BMPs are used, site-specific cross section with outflow, inflow, and model number shall be provided. Photocopies of general brochures are not acceptable.

CONCEPTUAL GRADING PLAN FOR TENTATIVE PARCEL MAP NO. TPM22-0001

IN THE CITY OF SAN MARCOS, COUNTY OF SAN DIEGO, STATE OF CALIFORNIA

EX. BRIDGE TO REMAIN OWNERSHIP TO AOA THROUGH LAND EXCHANGE AND MAINTENANCE AGREEMENT

MATCHLINE, SEE BELOW

EX. NO. 2 BACKING RIPRAP
8' X 10'
SD 'D' PER IP-4826
Q100=9.3 CFS
V100=8.5 FPS

(536.21FG)
(536.81FL)

FENCE

544.41FS
544.21FS

EX. CATCH BASIN PER IP-4826 TO BE REPLACED WITH CLEANOUT
1.5" ORIFICE AT 537.45IE
6" ORIFICE AT 539.95IE
(537.25 IE)

PROP. IRRIGATION WELL ESTIMATED TOTAL WATER USAGE= 1,224,100 GAL/YEAR

PROP. PUMP HOUSE

BMP D1 - DET
5,250 CF
537.45 BOT
540.95 TOP

537.94 IE-I

SUBDIVISION BOUNDARY

6' CMU SCREEN WALL PER LANDSCAPE PLANS

543.21 TW
542.21 TG
541.21 BFS
538.63 IE-I
538.41 IE-O

543.21FS

PROP. CMU WALL

542.98FL (1)
543.01FL (2)

PROP. BACK FLOW PREVENTER

543.11FS
543.51FS

SUBDIVISION BOUNDARY

"BIKE PATH ENDS" SIGN

"SHARE THE ROAD" SIGN

BIKE PATH TRANSITION TO STREET

CONNECT TO EXISTING WATER LINE

EX. DRIVEWAY TO BE REPLACED

CONNECT TO EXISTING SEWER LINE

PROP. STREET STRIPING

SUBDIVISION BOUNDARY AFTER LOT LINE ADJUSTMENT WITH TSM22-0002

SD 'A' PER IP 4826
(536.61FG)

EX. NO. 2 BACKING RIPRAP
7.5' X 10' PER IP-4826
Q100=25.35 CFS
V100=10.10 FPS

EX LOT LINE TO BE ADJUSTED IF LAND TRANSFER ASSOCIATED WITH TSM22-0002 NOT COMPLETED

CONSERVATION EASEMENT CITY TO RECORD CONSERVATION EASEMENT AFTER THE 5-YEAR MITIGATION & MONITORING PERIOD HAS ENDED

TYPE 'A' CO
540.99 IE
CONNECT TO EX.

EX. NO. 2 BACKING RIPRAP
7.5'X10'
SD 'B' PER IP-4826
Q100=3.94 CFS
V100=2.06 FPS
(537.91 FG)

WING WALL
(538.07 IE)
PER IP-4826

EX. PROPERTY BOUNDARY

547.00FS/HP

546.89TW
546.64BW

544.44 IE

PROP. CMU WALL

544.26 IE

547.10
546.60 FF PE

546.95FS/HP

546.89TW
(544.66EG)

(544.40EG)

PROPOSED RETAINING WALL
MAX H=2.5

546.80FS

546.31FS

544.64IE

546.56 FF
546.06 PE

537.63 IE-I
(537.53 IE-O)
544.31 TW
543.31 TG
1" SUBDRAIN ORIFICE
2" RISER ORIFICE
541.81 BFS
539.23 IE
537.81 IE-I
537.71 IE-O

WING WALL
(537.24 IE)
SD 'C' PER IP-4826

545.37TW
(543.75EG)

545.37TW
(543.35EG)

30" PVC
@ 1.47%

545.38FS

544.66FS

544.33 IE

542.31 IE

PROP. CMU WALL

545.37TW
544.95BW
542.31 IE

545.00 FF
544.50 PE

545.51
545.01 FF PE

540.07 IE

538.17 IE-I
538.07 IE-O

30" PVC
@ 0.5%

30" PVC @ 0.5%

545.81 TW
544.81 TG
1" SUBDRAIN ORIFICE
2" RISER ORIFICE
543.81 BFS
541.23 IE
539.38 IE-I
539.28 IE-O

545.81 FF
545.31 PE

538.48 IE-IN
538.38 IE-OUT

18" PVC @ 1.08%

544.81FS

539.24 IE

BMP D1

543.31FS

545.32FS
LP

545.33FL (1)

545.31FS
HP

540.61IE

544.71FS

539.39 IE-I
539.29 IE-O

545.21FS

PROP. CMU WALL

546.21 TW
545.21 TG
1" SUBDRAIN ORIFICE
2" RISER ORIFICE
543.71 BFS
541.13 IE-I
539.70 IE-O

545.56 FF
545.06 PE

BMP E1

18" PVC
@ 0.79%

546.52FS
545.19IE

546.81 FF
546.31 PE

546.62TG
545.90IE

546.51FS

6" PVC
@ 0.5%

546.31FS

545.91FL (2)

540.91IE

18" PVC @ 0.5%

546.61FS
HP

540.97 IE-I
540.87 IE-O

547.96FS

LINDA VISTA DRIVE

PROPERTY BOUNDARY

30'x12' LOADING ZONE

546.81 TW
545.81 TG
2" RISER ORIFICE
1" SUBDRAIN ORIFICE
544.31 BFS
542.08 IE-I
541.73 IE-O

BMP B2

6" PVC
@ 0.5%

546.21 TW
543.71 BFS

544.21IE

4" PVC
EQUALIZATION PIPE

546.31 FF
545.81 PE

6" PVC
@ 0.5%

545.10FL (1)

546.83TG
545.33IE

545.23FL (1)

546.81 FF
546.31 PE

546.71 FF
546.21 PE

547.12TG
545.56IE

546.81 FF
546.31 PE

6" PVC
@ 0.5%

546.94FS
545.98IE

6" PVC
@ 0.5%

6" PVC
@ 0.5%

6" PVC
@ 1%

PROP. GREASE TRAP

543.27IE

546.81 FF
546.31 PE

542.41IE

547.68TG
546.15IE

547.61FS

18" PVC @ 0.5%

547.96FS

546.26 TW
545.26 TG
3" SUBDRAIN ORIFICE
3" RISER ORIFICE
544.26 BFS
541.68 IE

UNDERGROUNDING OF EXISTING OVERHEAD ELECTRICITY LINE

PROP. LANDSCAPE MEDIAN

EX. PUBLIC STREET & UTILITY EASEMENT PER REC DOC. 209083 RECORDED 11/16/1971

CONNECT TO EXISTING WATER LINE

PROPERTY BOUNDARY & EX. RIGHT OF WAY

6" PVC @ 0.5%

UNDERGROUNDING OF EXISTING OVERHEAD ELECTRICITY LINE

PROP. STREET STRIPING

GRAND AVE

546.04 TG
545.04 IE

546.81
545.31 FF PE

PROPOSED WATER METER

CONNECT TO EXISTING WATER LINE

546.31FS
546.91FS
547.21FS
546.61FS

CONNECT TO EXISTING WATER LINE

548.31FS
548.01FS

PROP. BACK FLOW PREVENTER

547.91FS
548.31FS

EX. PUBLIC HIGHWAY EASEMENT PER REC DOC. 115386 RECORDED 6/2/1971 AND REC DOC. 130355 RECORDED 6/18/1971

EX. PUBLIC STREET EASEMENT PER REC DOC. 127404 RECORDED 6/16/1971

RIGHT OF WAY
PROPERTY BOUNDARY

PROP. LANDSCAPE MEDIAN

BIKE PATH TRANSITION TO STREET

547.21FS
547.61FS
547.51FS
547.31FS

EX. PUBLIC STREET & UTILITY EASEMENT PER REC DOC. 2001-0106601 RECORDED 2/26/2001

PROPERTY BOUNDARY

546.81FS

EX. SIGNAGE TO REMAIN

BMP B4

BIKE PATH ENTRANCE FROM STREET

EX. PUBLIC STREET & UTILITY EASEMENT PER REC DOC. 75-269465 RECORDED 10/1/1975

SUBDIVISION BOUNDARY AFTER LOT LINE ADJUSTMENT WITH TSM22-0002

CONSERVATION EASEMENT CITY TO RECORD CONSERVATION EASEMENT AFTER THE 5-YEAR MITIGATION & MONITORING PERIOD HAS ENDED

EX LOT LINE TO BE ADJUSTED IF LAND TRANSFER ASSOCIATED WITH TSM22-0002 NOT COMPLETED

EX. HEADWALL AND NO. 2 BACKING RIPRAP
8' X 10'
(536.02IE)
SD 'E' PER IP-4826
Q100=13.8 CFS
V100=3.9 FPS

MATCHLINE, SEE ABOVE

30' 0 15' 30'
SCALE: 1" = 30'

OWNER/DEVELOPER

AOA SAN MARCOS, LLC
709 RANDOLF AVENUE
COSTA MESA, CA 92626
714-966-6661

OWNER

ASSESSOR'S PARCEL NUMBERS:

219-152-42, -44, -45, -51, -61, -74, -75, -78

UTILITY PROVIDERS

WATER	- VALLECITOS WATER DISTRICT
SEWER	- VALLECITOS WATER DISTRICT
ELECTRICITY	- SDG&E
GAS	- SDG&E

TOPOGRAPHY NOTE:

TOPOGRAPHY BASED ON FIELD SURVEY METHODS PREPARED BY T&M SURVEYING, DATED 7/15/2019

SCHOOL DISTRICT

SAN MARCOS UNIFIED SCHOOL DISTRICT

FLOOD ZONE INFORMATION

THE SUBJECT PROPERTY LIES WITHIN THE CITY OF SAN MARCOS INSURANCE RATE MAP PANEL NUMBER 06073C0789, HAVING AN EFFECTIVE DATE OF 5/16/2012, IN SAN DIEGO COUNTY, CALIFORNIA. ZONE "X" AREA OF MINIMAL CHANCE OF FLOOD HAZARD.

BENCHMARK

BM NO.: 1032: SMVC032 ELEV.: 543.629'
(CITY OF SAN MARCOS BENCHMARK)
DATUM: NGVD 29 CONVERTED TO NAVD 88
DESCRIPTION: FOUND 3" BRASS DISC, IN STANDARD STREET WELL MONUMENT STAMPED "CSM RCE 16421". LOCATED AT THE INTERSECTION OF LINDA VISTA DRIVE, BENT AVENUE, AND GRAND AVENUE. RECORD FROM: RECORD OF SURVEY 13928

FINAL ENGINEERING BENCHMARK SHALL BE BASED ON RECORD OF SURVEY 23731 ON NAVD88 & NAD83. ELEVATIONS SHOWN HEREON CONVERTED TO NAVD 88. CONVERSION FACTOR= +2.31 FT

EARTHWORK QUANTITIES

CUT= 2,065 CY
FILL= 2,635 CY
NET= 570 CY IMPORT

LEGEND & ABBREVIATIONS

- PROJECT BOUNDARY
- EXISTING PARCEL LINE BOUNDARY
- EXISTING RIGHT OF WAY/PL
- STREET RIGHT OF WAY
- CENTER LINE
- LOT LINE
- SS — PROPOSED SEWER LINE (8")
- SD — PROPOSED STORM DRAIN LINE
- DW — PROPOSED WATER LINE (8" U.O.N.)
- PROPOSED RETAINING WALL
- GW — PROPOSED GREASE WATER LINE
- PROPOSED SEWER MANHOLE
- FW — PROPOSED 8" FIRE WATER LINE
- PROPOSED FIRE HYDRANT
- PROPOSED STORM DRAIN CLEAN OUT
- PROPOSED GRATE INLET
- PROPOSED HEADWALL
- PROPOSED AREA DRAIN
- PROPOSED LANDSCAPING AREAS
- PROPOSED ASPHALT AREAS
- PROPOSED CONCRETE AREAS
- PROPOSED DG AREAS
- PROPOSED TREE PLANTER PER DETAIL SHEET DETAIL BB
- PROPOSED TREE PLANTER PER DETAIL SHEET DETAIL AA
- FLOW ARROW
- SS — EXISTING SEWER LINE
- DW — EXISTING WATER LINE
- SD — EXISTING STORM DRAIN LINE

ADDITIONAL CONSTRUCTION NOTES:

1. WALL FACE INLET PER DETAIL D, SHEET 2
2. CURB FACE INLET PER DETAIL E, SHEET 2
3. PROPOSED CURB RAMP PER SDRSD G-27 TYPE A
4. CROSSWALK STRIPING PER CITY CITY OF SAN DIEGO SDM-116

SHEET INDEX

CONCEPTUAL GRADING AND UTILITIES ___ 1
TYPICAL SECTIONS ___ 2
PARKING AND CIRCULATION PLAN ___ 3
SIGHT DISTANCE EXHIBIT ___ 4

FUSCOE ENGINEERING
6390 Greenwich Dr., Suite 170
San Diego, California 92122
tel 858.554.1500 • fax 858.597.0335
www.fuscoe.com

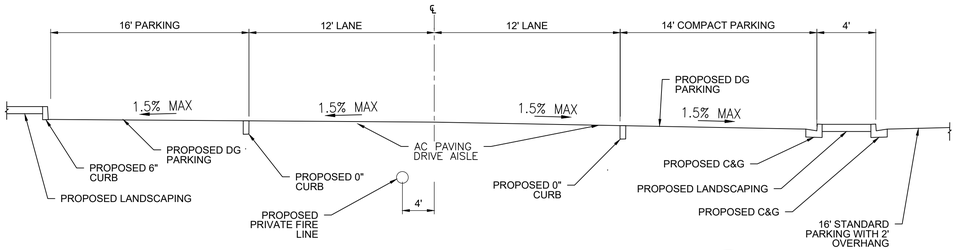
REGISTERED PROFESSIONAL ENGINEER
KENNETH T. KOZLIK
No. RCE 71883
EXP. 12-31-23
Civil
STATE OF CALIFORNIA

CONCEPTUAL GRADING PLAN
TENTATIVE PARCEL MAP
TPM22-0001
CONCEPTUAL GRADING AND UTILITIES

SCALE: AS SHOWN
JOB NO.:1690.001
DATE: 5/12/23

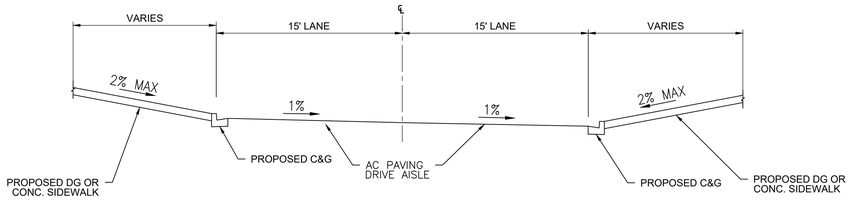
SHEET 1 OF 4

F:\PROJECTS\1690\DATA\CAD\GRADING\TENTATIVE MAP\1690-001-CGM-04-23.DWG(Model) 05-12-23 2:41:20PM Printed by KKOZLIK



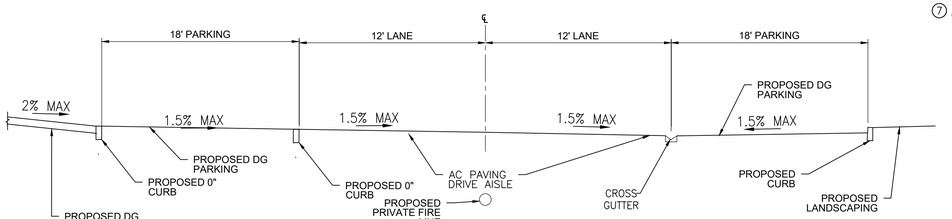
INTERNAL ROAD SECTION (COMMERCIAL) A/2

NOT TO SCALE



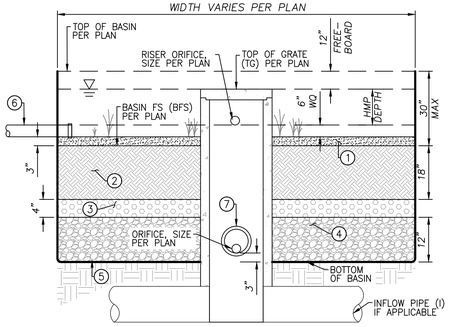
INTERNAL ROAD SECTION (COMMERCIAL) B/2

NOT TO SCALE



INTERNAL ROAD SECTION (COMMERCIAL) C/2

NOT TO SCALE

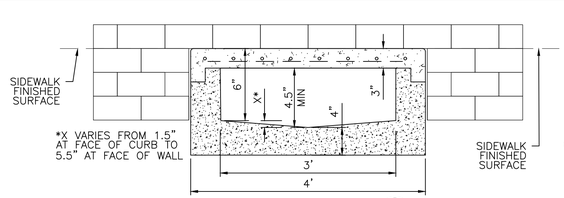


BIOFILTRATION BASIN DETAIL

NOT TO SCALE

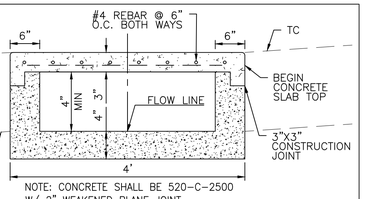
DETAIL NOTES:

1. 3" OF WELL-AGED SHREDDED HARDWOOD MULCH
2. 18" MEDIA LAYER OF LOAMY SAND TYPE SOIL W/ MIN. INFILTRATION RATE = 5 IN/HR. SOIL MEDIA SHALL MEET THE CITY OF SAN DIEGO STORM WATER STANDARDS MANUAL, BIOFILTRATION SOIL MEDIA SPECIFICATION PROVIDED IN APPENDIX F.4 OR COUNTY OF SAN DIEGO LOW IMPACT DEVELOPMENT HANDBOOK: APPENDIX G-BIORETENTION SOIL SPECIFICATION (JUNE 2014, UNLESS SUPERSEDED BY MORE RECENT EDITION).
3. 4" OF WASHED PEA GRAVEL FILTER COURSE LAYER
4. 12" AGGREGATE LAYER OF CLASS 2 PERMEABLE PER CALTRANS SPECIFICATION 68-1.025, 40% VOID RATIO
5. BOTH SIDES AND BOTTOM OF BIOFILTRATION PLANTER SHALL BE LINED WITH 30 MIL THICK PVC LINER. PROVIDE 18" OVERLAPPED, THERMAL WELDED SEAMS AT ALL SEAMS. PLACE NON-WOVEN FILTER FABRIC (MIRAFI 140N OR EQUAL) ON EITHER SIDE OF PVC LINER TO PROTECT LINER FROM PUNCTURE ON ALL SIDES, "SANDWICHING" THE PVC LINER WITH A FABRIC CUSHION.
6. 6" PVC EQUALIZATION PIPE @ 0% SLOPE FOR LINEAR BIOFILTRATIONS IF APPLICABLE
7. 6" PERFORATED PIPES @ +3.00" BOTTOM OF PLANTER WITH CLEANOUTS AND SUBDRAIN ORIFICE AT CATCH BASIN



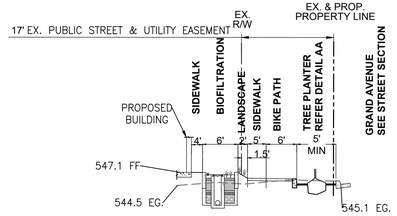
WALL FACE INLET E/2

N.T.S.



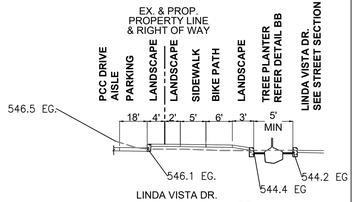
CURB FACE INLET D/2

N.T.S.



SECTION A-A 2/2

NOT TO SCALE



SECTION B-B 2/2

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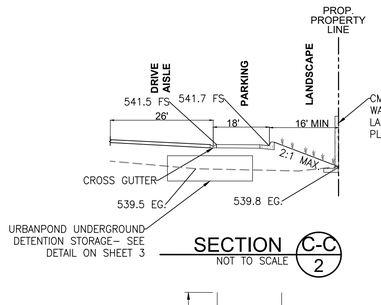

SECTION C-C 2/2

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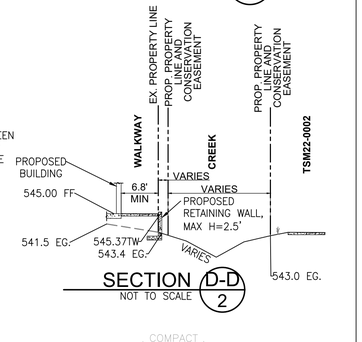
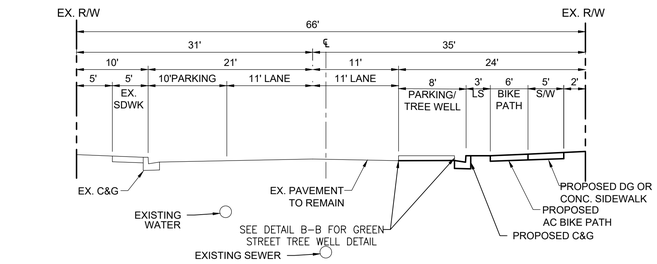


SECTION D-D 2/2

NOT TO SCALE

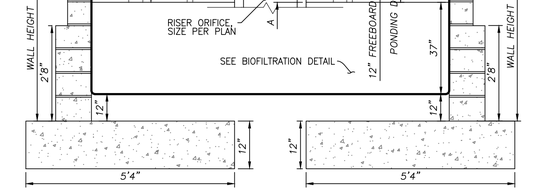


LINDA VISTA DRIVE STREET SECTION

NOT TO SCALE

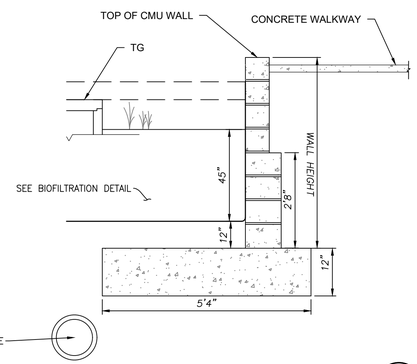
GRAND AVENUE STREET SECTION

NOT TO SCALE



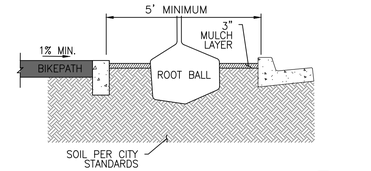
NO SLOPE WITH 2 WALLS

BMP A1, B1, B2, B3, B4, D1



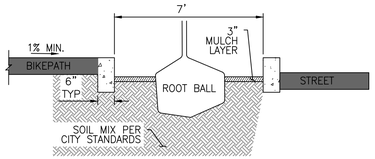
WALKWAY NEXT TO BIOFILTRATION(TYP.) D/2

NOT TO SCALE



STREET TREE (GRAND AVE) AA/2

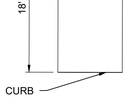
NTS



SEE DETAIL E ON SHEET 3 FOR PLAN VIEW

TREE WELL (LINDA VISTA DR) BB/2

NTS



STANDARD PARKING 1/2

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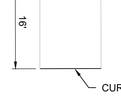
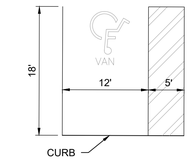


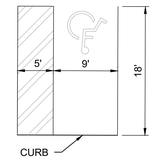
COMPACT PARKING 2/2

NOT TO SCALE



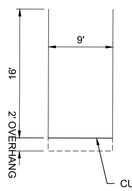
VAN ACCESSIBLE PARKING 3/2

NOT TO SCALE



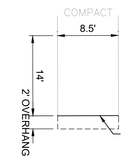
STANDARD ACCESSIBLE PARKING 4/2

NOT TO SCALE



STANDARD PARKING (OVERHANG) 5/2

NOT TO SCALE



COMPACT PARKING (OVERHANG) 6/2

NOT TO SCALE

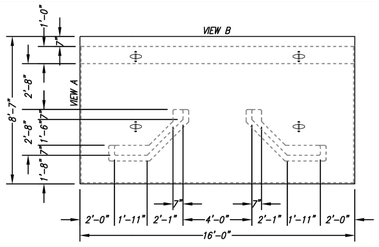
FUSCOE ENGINEERING
6390 Greenwich Dr., Suite 170
San Diego, California 92122
tel 858.554.1500 ◦ fax 858.597.0335
www.fuscoe.com

REGISTERED PROFESSIONAL ENGINEER KENNETH T. KOLLIK No. RCE 71883 EXP. 12-31-23 Civil STATE OF CALIFORNIA

CONCEPTUAL GRADING PLAN
TENTATIVE PARCEL MAP
TPM22-0001
TYPICAL SECTIONS AND DETAILS

SCALE: AS SHOWN
JOB NO.:1690.001
DATE: 5/12/23

F:\PROJECTS\1690\CIVIL\MAPS\GRADING\TENTATIVE MAP\TM SHTS\1690-CGR-TM-02 DETAILS.DWG 05-11-23 3:48:34PM Plotted By: Kristin



TOP VIEW

ELEVATION VIEW A

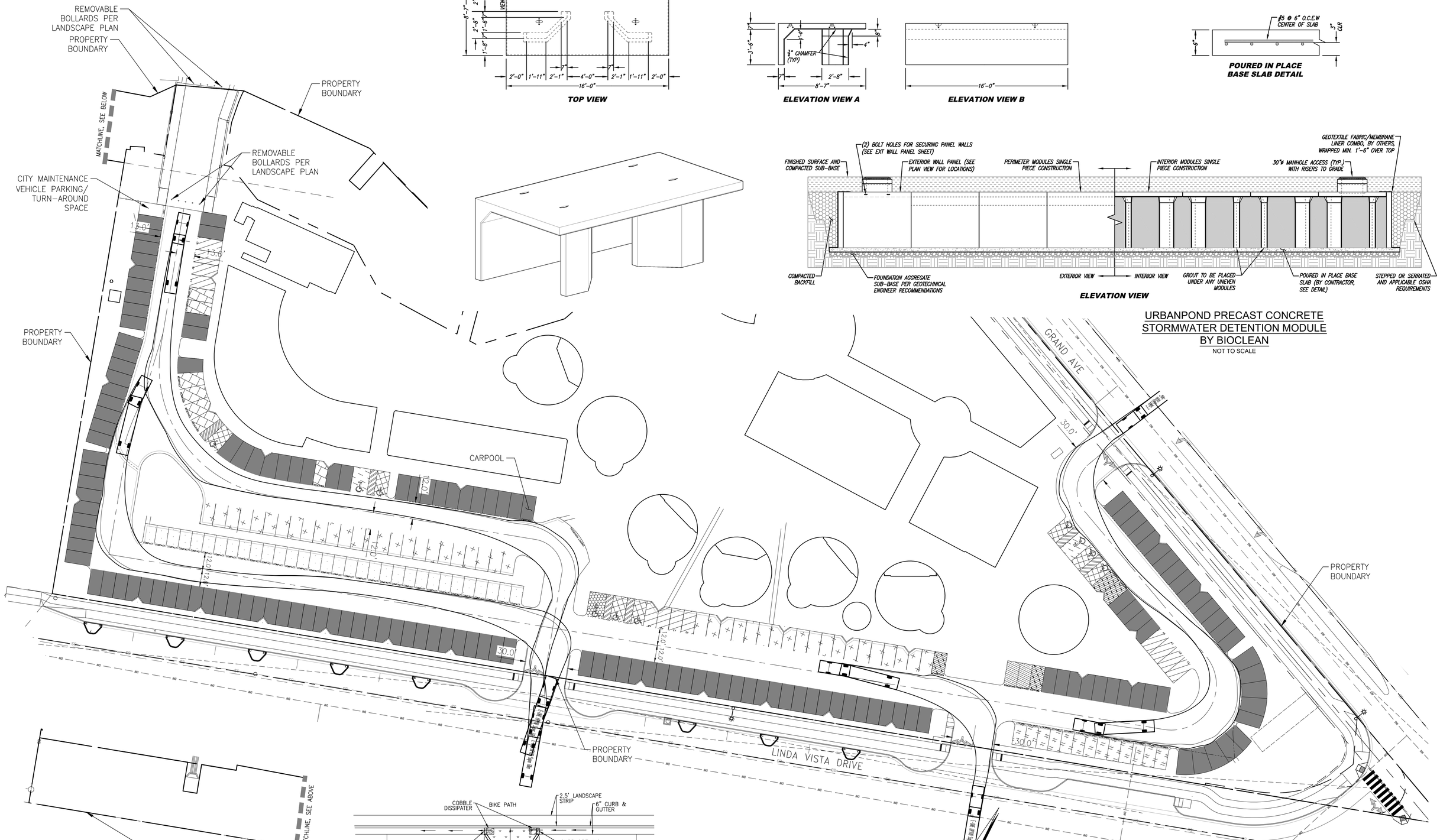
ELEVATION VIEW B

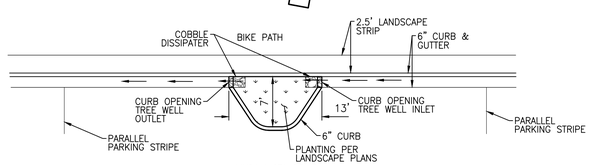
POURED IN PLACE BASE SLAB DETAIL

ELEVATION VIEW

URBANPOND PRECAST CONCRETE STORMWATER DETENTION MODULE BY BIOCLEAN

NOT TO SCALE





TREE WELL PLAN VIEW (LINDA VISTA DR) E/3

NTS

30' 0 15' 30'

SCALE: 1" = 30'

FUSCOE ENGINEERING
6390 Greenwich Dr., Suite 170
San Diego, California 92122
tel 858.554.1500 ◦ fax 858.597.0335
www.fuscoe.com

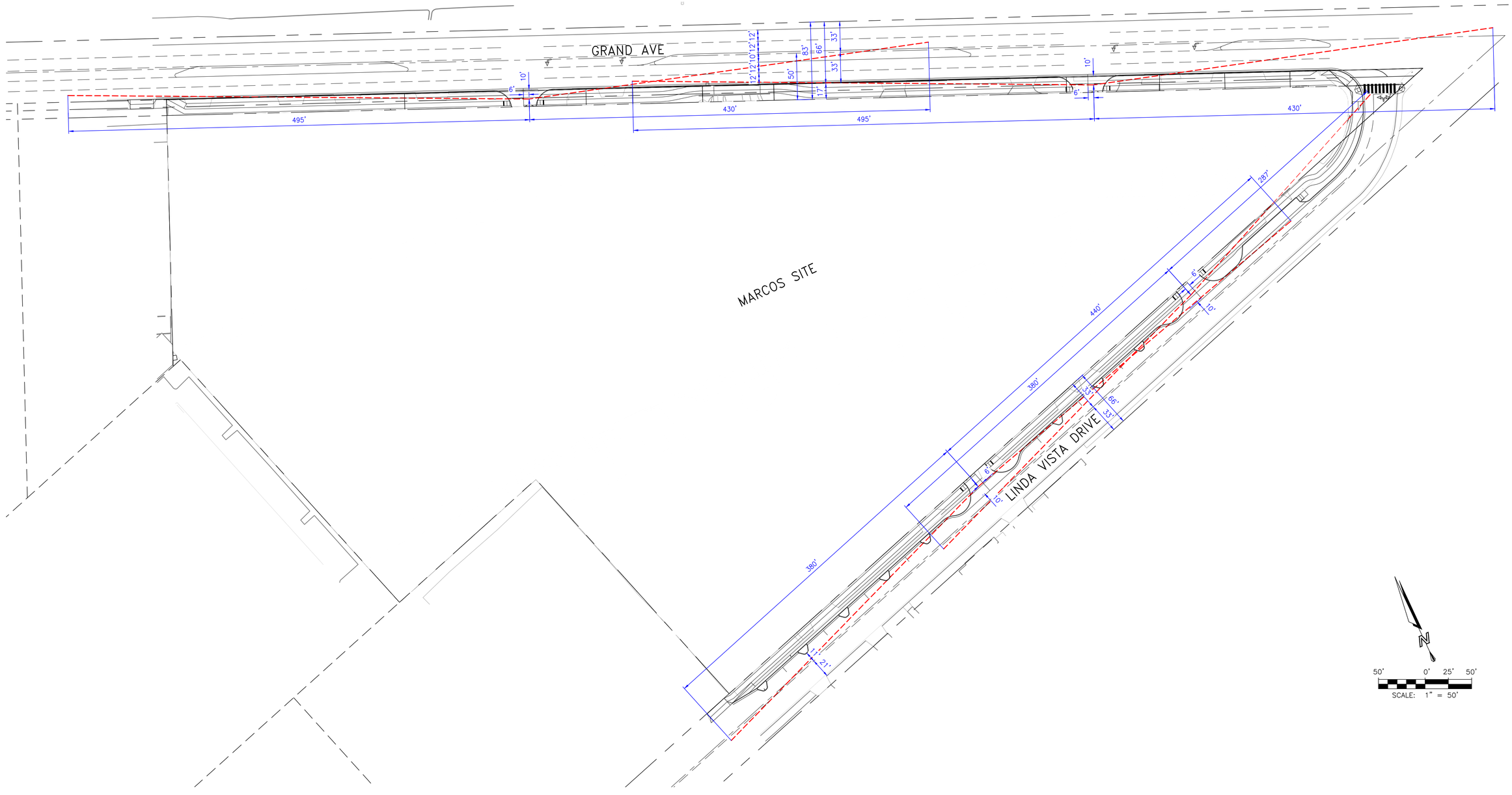
REGISTERED PROFESSIONAL ENGINEER KENNETH T. KOZLIK No. RCE 71883 EXP. 12-31-23 Civil STATE OF CALIFORNIA

CONCEPTUAL GRADING PLAN
TENTATIVE PARCEL MAP
TPM22-0001
PARKING & CIRCULATION PLAN

SCALE: AS SHOWN
JOB NO.: 1690.001
DATE: 5/12/23

SHEET 3 OF 4

© FUSCOE ENGINEERING



FUSCOE ENGINEERING
6390 Greenwich Dr., Suite 170
San Diego, California 92122
tel 858.554.1500 ◦ fax 858.597.0335
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REGISTERED PROFESSIONAL ENGINEER
KENNETH T. KOZLIK
No. RCE 71883
EXP. 12-31-23
Civil
STATE OF CALIFORNIA

TENTATIVE PARCEL MAP TPM22-0001

SIGHT DISTANCE EXHIBIT

SCALE: AS SHOWN
JOB NO.: 1690.001
DATE: 5/12/23

SHEET 4 OF 4

F:\PROJECTS\1600\001\EXHIBITS\1690-001-SIGHT DISTANCE EXHIBIT.DWG (05-11-23 13:58:04PM) Plotted by: Kkoch

Appendix L
Water and Sewer Study

VALLECITOS WATER DISTRICT

CALIFORNIA PACIFIC HOMES & AOA SAN MARCOS LLC. MIXED USE WATER AND SEWER STUDY

WORK ORDER # 267553

FINAL TECHNICAL MEMORANDUM

May 16, 2023

Prepared By: Elizabeth Lopez, Senior Engineer Development Services, and Lisa Whitesell Engineering Technician III

INTRODUCTION

The proposed California Pacific Homes project (Project) is a 102-unit multi-family residential development and AOA San Marcos LLC is the mixed use development with 7,536 square feet of Office Space, 42,434 square feet of commercial space consisting of Restaurant Space, Retail Space, Brewery and Distillery, and 8 – Live/Work Units on a grand total of 10.91-acres, located on the southwest corner of Grand Avenue and Linda Vista Drive (APN's 219-152-42, 44, 45, 51, 61, 70, 75, 76, 78, 79 and portions of 74).

The Project is located within Vallecitos Water District's (VWD) boundaries for water and wastewater service. The property does not need to annex, both water and wastewater services can be provided by VWD.

All new projects undergo evaluation by VWD to determine if the current water and sewer infrastructure is sufficient to accommodate the proposed water demands and sewage generation.

This study projects water demand and sewage generation increases due to the project densification. It analyzes the following aspects of VWD's infrastructure and makes recommendations for capital improvements for impacts that are created due to the land use change:

- Water distribution system, including the need to upsize pipelines, install new pipelines, or install flow control facilities.
- Water storage, including the need for additional storage and the adequacy of existing storage tanks and reservoirs to serve the proposed development.
- Water pump stations, including the need to install new pump stations or upsize existing pump stations to serve the proposed development.
- Wastewater collection system, including the need to upsize pipelines and manholes, or the need to install new pipelines and manholes.
- Wastewater lift stations, including the need to install new lift stations or upsize existing lift stations to serve the proposed development.

- Wastewater land outfall, including the need to construct a parallel land outfall to serve this and other proposed developments.
- Wastewater treatment facilities, including the need for obtaining additional capacity at the Encina Water Pollution Control Facility (EWPCF) or for expanding the Meadowlark Water Reclamation Facility (MRF).
- Existing VWD water and/or sewer facilities not being utilized for proposed development will need to be abandoned per VWD Standards and Specifications. Asbestos cement pipe shall be properly removed and legally disposed of by the Developer.

WATER SYSTEM ANALYSIS

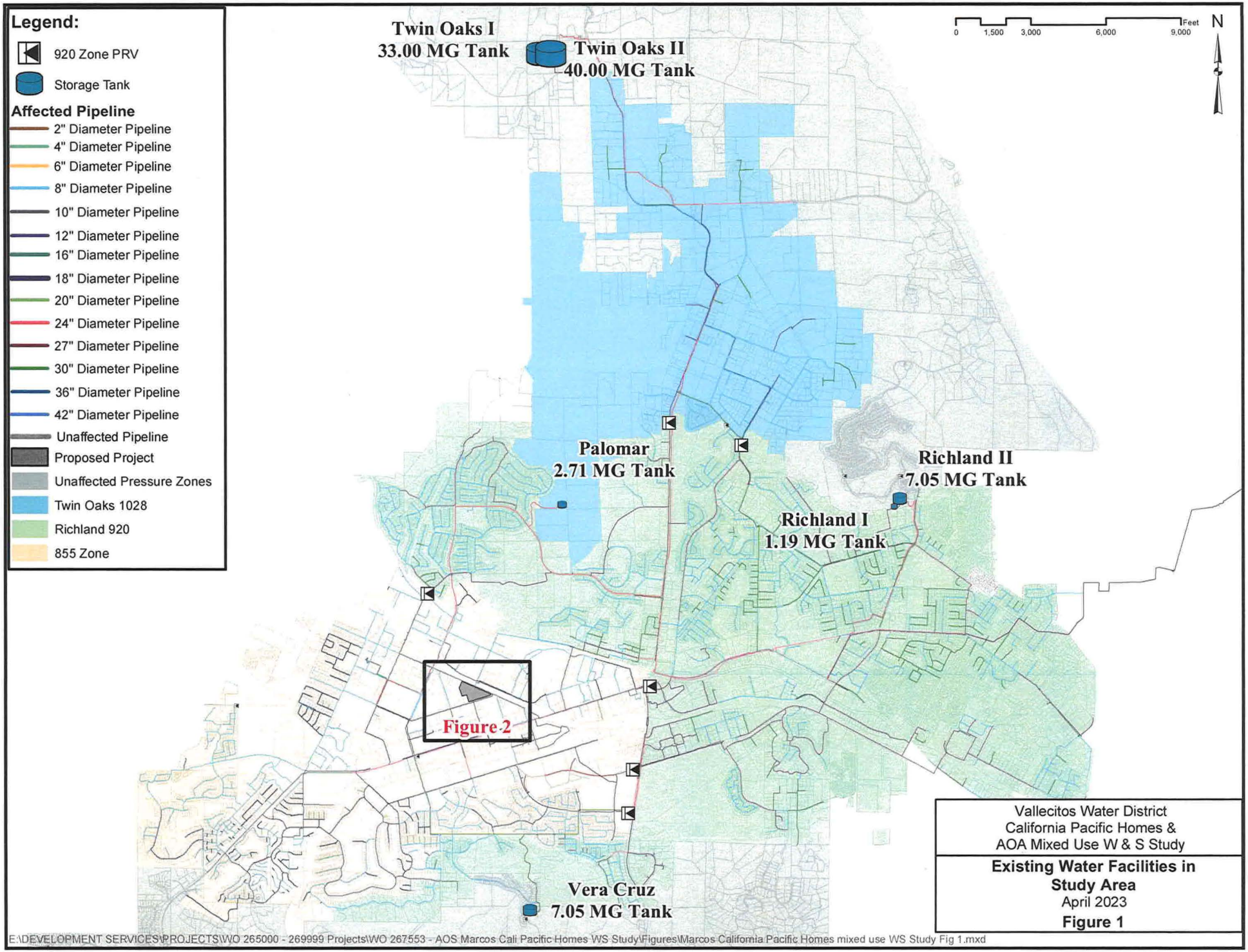
The proposed 10.91-acre Project lies completely within VWD's 855 Pressure Zone. Figures 1 and 2 show the development's location in relation to pressure zone boundaries, identify pipelines within the vicinity of the development, and identify storage reservoirs that supply the development area.

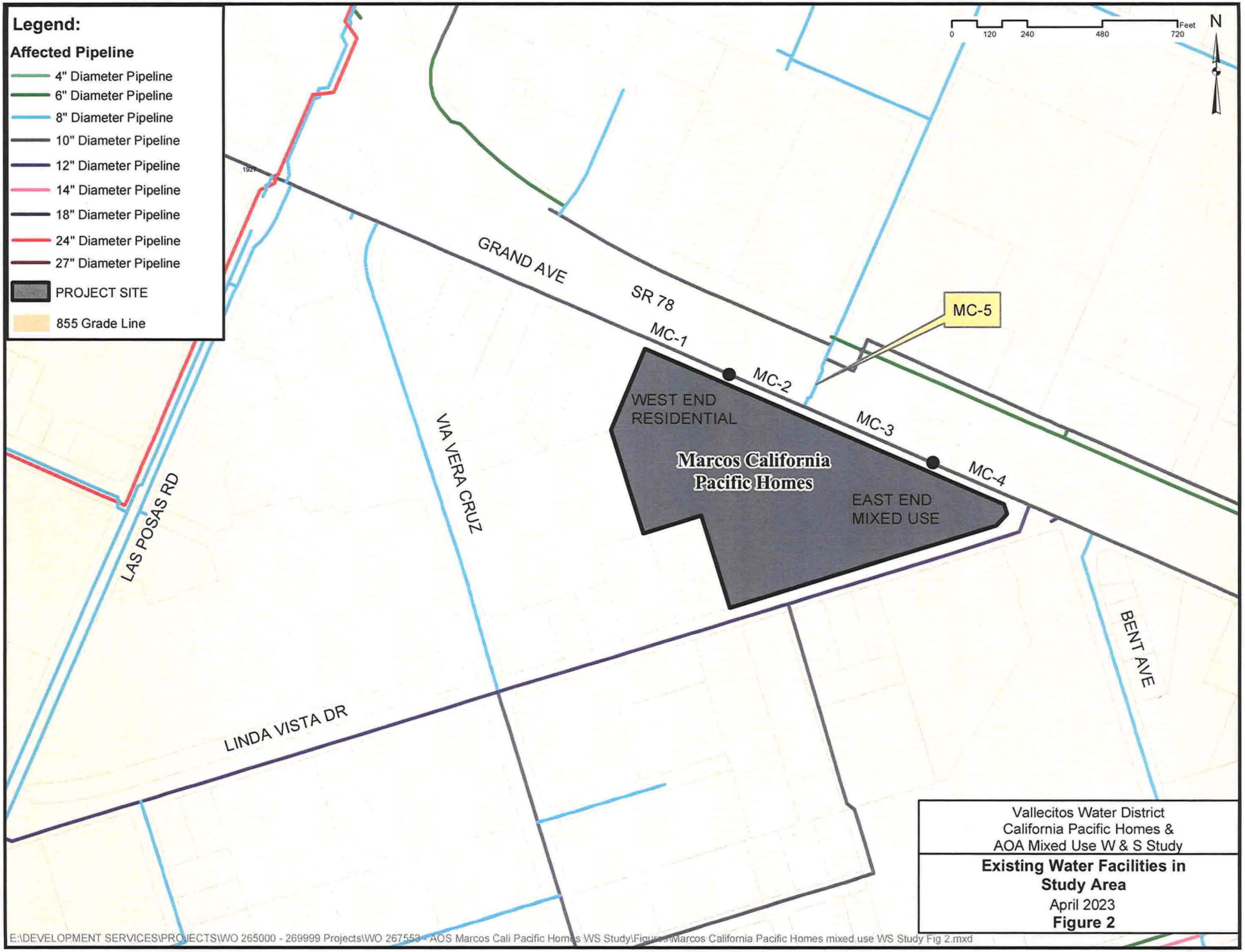
Water Demand Projections

The City of San Marcos' approved land use designation for the proposed Project is Business Industrial (I/C) and Commercial (C). The 2018 Master Plan based its ultimate water demand planning on Industrial. Table 1 provides the average water demand generated both under the density planned for the 2018 Master Plan and for the proposed Project. The table shows California Pacific Homes & AOA Mixed-Use Project will increase the projected average water demand from the 2018 Master Plan land use by **28,967** gallons per day.

Table 1 – Project Estimated Water Demands for California Pacific Homes & AOA Mixed-Use

Land Use Type	Area (acres)	Residential Units	Duty Factor (gpd/ac)	Water Demand (gpd)
2018 Master Plan Land Use Demand				
Industrial	10.91		800	8,728
Total	**10.91**			**8,728**
Proposed Project Demand				
Residential (20-30 du/ac)	4.74	110	6,000	28,440
Commercial/Mixed use/Office	6.17		1,500	9,255
Total	**10.91**			**37,695**
Water Demand Increase				**28,967**


Legend:
920 Zone PRV
Storage Tank
Affected Pipeline
2" Diameter Pipeline
4" Diameter Pipeline
6" Diameter Pipeline
8" Diameter Pipeline
10" Diameter Pipeline
12" Diameter Pipeline
16" Diameter Pipeline
18" Diameter Pipeline
20" Diameter Pipeline
24" Diameter Pipeline
27" Diameter Pipeline
30" Diameter Pipeline
36" Diameter Pipeline
42" Diameter Pipeline
Unaffected Pipeline
Proposed Project
Unaffected Pressure Zones
Twin Oaks 1028
Richland 920
855 Zone
Twin Oaks I
33.00 MG Tank
Twin Oaks II
40.00 MG Tank
Palomar
2.71 MG Tank
Richland II
7.05 MG Tank
Richland I
1.19 MG Tank
Figure 2
Vera Cruz
7.05 MG Tank
0
1,500
3,000
6,000
9,000
Feet
N
Vallecitos Water District
California Pacific Homes &
AOA Mixed Use W & S Study
Existing Water Facilities in Study Area
April 2023
Figure 1
E:\DEVELOPMENT SERVICES\PROJECTS\WO 265000 - 269999 Projects\WO 267553 - AOS Marcos Cali Pacific Homes WS Study\Figures\Marcos California Pacific Homes mixed use WS Study Fig 1.mxd


Legend:
Affected Pipeline
4" Diameter Pipeline
6" Diameter Pipeline
8" Diameter Pipeline
10" Diameter Pipeline
12" Diameter Pipeline
14" Diameter Pipeline
18" Diameter Pipeline
24" Diameter Pipeline
27" Diameter Pipeline
PROJECT SITE
855 Grade Line
0 120 240 480 720 Feet
N
GRAND AVE
SR 78
MC-1
MC-2
MC-3
MC-4
MC-5
WEST END RESIDENTIAL
Marcos California Pacific Homes
EAST END MIXED USE
VIA VERA CRUZ
LAS POSAS RD
LINDA VISTA DR
BENT AVE
Vallecitos Water District
California Pacific Homes &
AOA Mixed Use W & S Study
Existing Water Facilities in Study Area
April 2023
Figure 2
E:\DEVELOPMENT SERVICES\PROJECTS\WO 265000 - 269999 Projects\WO 267553 - AOS Marcos Cali Pacific Homes WS Study\Figures\Marcos California Pacific Homes mixed use WS Study Fig 2.mxd

Water Distribution System Analysis

The 2018 Master Plan water system distribution and pressure criteria are as follows:

Water Distribution Infrastructure Criteria

The water service pressure criteria to be met by this development are as follows:

- Minimum allowable pressure at peak hour demand: 40 psi
- Minimum allowable pressure at max day plus fire demand: 20 psi
- Maximum allowable pressure: 150 psi

The City of San Marcos Fire Marshall has set the required fire demand at 1,875 gpm (West End Residential Townhomes) & 1,688 gpm (East End – Commercial/Mixed Use) for the Project.

To avoid excessive velocity and headloss within the distribution system, the following pipeline design criteria was also utilized:

- Maximum allowable velocity: 7 feet per second
- Maximum allowable headloss gradient: 15 feet per 1,000 feet
- Hazen-Williams C-factor: 130

Water Model Scenarios

The following scenarios were modeled to identify system impacts that may be created by the proposed water demands, and to recommend any improvements required to provide service to the Project:

- Average Day Demand with existing demands at the Project site
- Average Day Demand with the proposed Project
- Maximum Day Demand with existing demands at the Project site
- Maximum Day Demand with the proposed Project
- Peak Hour Demand with existing demands at the Project site
- Peak Hour Demand with the proposed Project
- Maximum Day Demand plus Fire Flow with existing demands at the Project site
- Maximum Day Demand plus Fire Flow with the proposed Project

Per the 2018 Master Plan, maximum day demands for this project are 300% those of average day demands, and peak hour demands are 620% those of average day demands.

Water Model Results

Modeling focused on the infrastructure in the direct vicinity of the Project. The model found that the Project did not create any distribution system deficiencies under average day demand or under maximum day plus fire flow demand conditions.

Table 2 & 2A presents a summary of the modeling results for this analysis including proposed off-site pipelines, shown in Figure 2.

Table 2 – Potable Water Pipeline Results under Maximum Day Demand plus Fire Flow Conditions @ 1,875 gpm for Residential

Pipe ID Number	Length (ft)	Existing Pipe Diameter (in)	Velocity under Average Day Demand (ft/s)	Velocity under Maximum Day + Fire Flow (ft/s)	Upsized Pipe Diameter (in)	Velocity under Maximum Day + Fire Flow w/ Upsized Pipe (ft/s)
MC-1	1,086	10	1.77	3.15	-	-
MC-2	481	10	1.77	4.61	-	-
MC-3	359	10	0.79	3.73	-	-
MC-4	424	10	0.79	3.81	-	-
MC-5	172	8	4.00	4.13	-	-

Table 2A – Potable Water Pipeline Results under Maximum Day Demand plus Fire Flow Conditions @ 1,688 gpm for Commercial

Pipe ID Number	Length (ft)	Existing Pipe Diameter (in)	Velocity under Average Day Demand (ft/s)	Velocity under Maximum Day + Fire Flow (ft/s)	Upsized Pipe Diameter (in)	Velocity under Maximum Day + Fire Flow w/ Upsized Pipe (ft/s)
MC-1	1,086	10	1.77	1.29	-	-
MC-2	481	10	1.77	1.09	-	-
MC-3	359	10	0.79	3.40	-	-
MC-4	424	10	0.79	3.54	-	-
MC-5	172	8	4.00	3.65	-	-

Water Storage Analysis

The 2018 Master Plan outlines VWD's potable water storage reservoirs for each pressure zone as follows:

> 1.5 times ADD (operational storage) + 3.0 times ADD (emergency storage) + fire flow demand = 4.5 times ADD + fire flow demand
>
> OR
>
> 5.0 times ADD, whichever is greater.

The Project is located entirely within the VWD 855 pressure zone. Water storage for this zone is located within the 920 zone and 1028 Twin Oaks pressure zones, as shown in Figure 1. Table 3 shows the required storage in the 855, 920, and 1028 Twin Oaks pressure zones for existing and ultimate build-out (Master Plan) conditions relative to the existing storage provided within each zone.

Table 3 – Existing Reservoir Storage Capacity and Requirements

Pressure Zone	Existing ADD (MGD)	Existing Storage Requirement (MG)	Ultimate ADD (MGD)	Ultimate Storage Requirement (MG)	Existing Storage Available (MG)
855	3.74	50.05	6.79	101.25	0
920	5.61		10.40		18
1028 Twin Oaks	0.66		3.06		73
Totals	10.01	**50.05**	20.25	**101.25**	**91**

The Project will increase the projected average water demand by approximately **28,967** gallons per day as shown in Table 1.

The amount of additional reservoir storage required is 500% of the development's average day demand or:

28,967 gallons * 500% = 144,835 gallons

The analysis finds that water storage capacity is currently available to serve the Project's increased storage requirements. Master Plan projects address and accommodate the ultimate build-out storage deficiency and Water Capital Facility Fees paid by this project will be used for the increase in storage necessitated by the Project's demand calculated above.

Water Pump Station Analysis

Since the proposed Project is located in a pressure zone that is not served by pumping, there are no impacts to existing or proposed pump stations by this Project.

WASTEWATER SYSTEM ANALYSIS

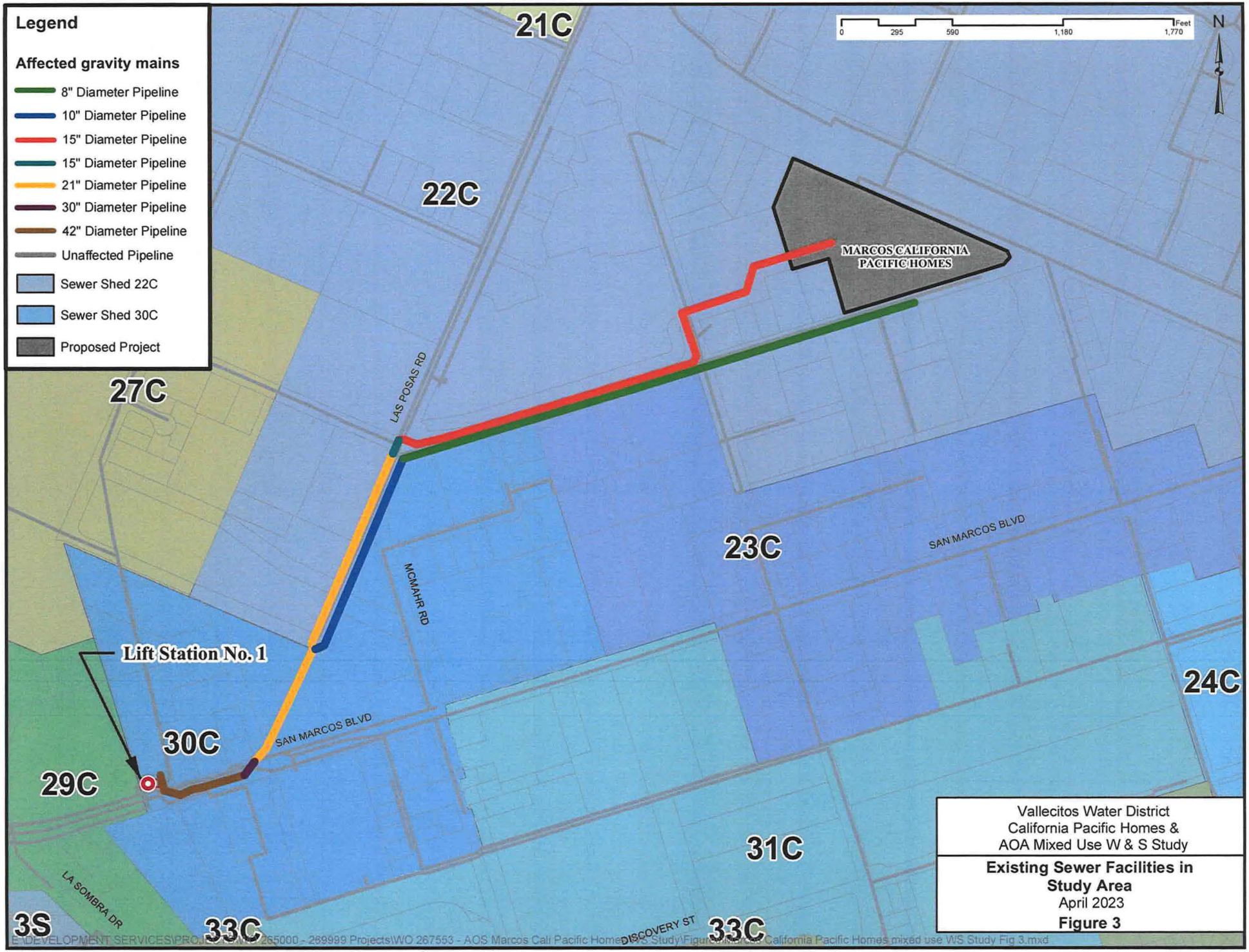
The proposed 10.91-acre Project lies completely within VWD sewer shed 22C. Figures 3 through 5 show the development's location in relation to sewer shed boundaries, identify wastewater infrastructure within the vicinity of the development, and identify the downstream collection infrastructure that will be impacted by the development.

Wastewater Flow Projections

The Project property's City of San Marcos approved land use designation for the proposed Project is Business Industrial (I/C) and Commercial (C). The 2018 Master Plan based its ultimate wastewater generation planning on Industrial. Table 4 provides the average wastewater flow generated both under the density planned for the 2018 Master Plan and with the proposed Project. The table shows California Pacific Homes & AOA Mixed-Use project will increase the projected average wastewater generation from the 2018 Master Plan land use by **21,097** gallons per day.

Table 4 – Project Estimated Wastewater Flows for California Pacific Homes & AOA Mixed-Use Project

Land Use Type	Area (acres)	Residential Units	Duty Factor (gpd/ac)	Wastewater Flow (gpd)
2018 Master Plan Land Use Flows				
Industrial	**10.91**		700	7,637
Total	**10.91**			**7,637**
Proposed Project Demand				
Residential (20-30 du/ac)	4.74	110	4,500	21,330
Commercial/Mixed Use	6.17		1,200	7,404
Total	**10.91**			**28,734**
Sewer Generation Increase				**21,097**


Legend
Affected gravity mains
8" Diameter Pipeline
10" Diameter Pipeline
15" Diameter Pipeline
15" Diameter Pipeline
21" Diameter Pipeline
30" Diameter Pipeline
42" Diameter Pipeline
Unaffected Pipeline
Sewer Shed 22C
Sewer Shed 30C
Proposed Project
0
295
590
1,180
1,770
Feet
N
21C
22C
27C
23C
24C
30C
29C
31C
3S
33C
33C
MARCOS CALIFORNIA
PACIFIC HOMES
LAS POSAS RD
MCMAHR RD
SAN MARCOS BLVD
SAN MARCOS BLVD
LA SOMBRA DR
DISCOVERY ST
Lift Station No. 1
Vallecitos Water District
California Pacific Homes &
AOA Mixed Use W & S Study
Existing Sewer Facilities in
Study Area
April 2023
Figure 3
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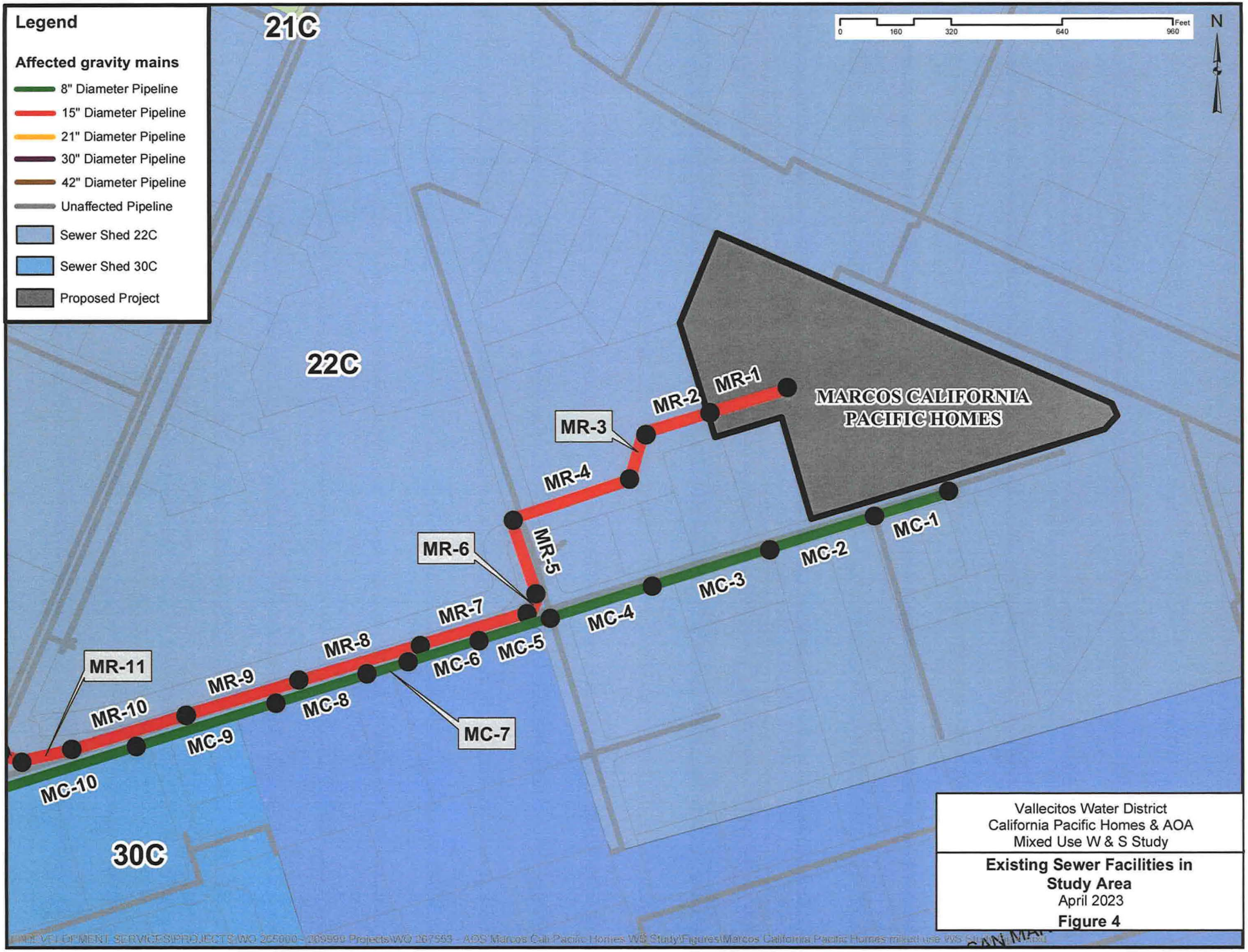
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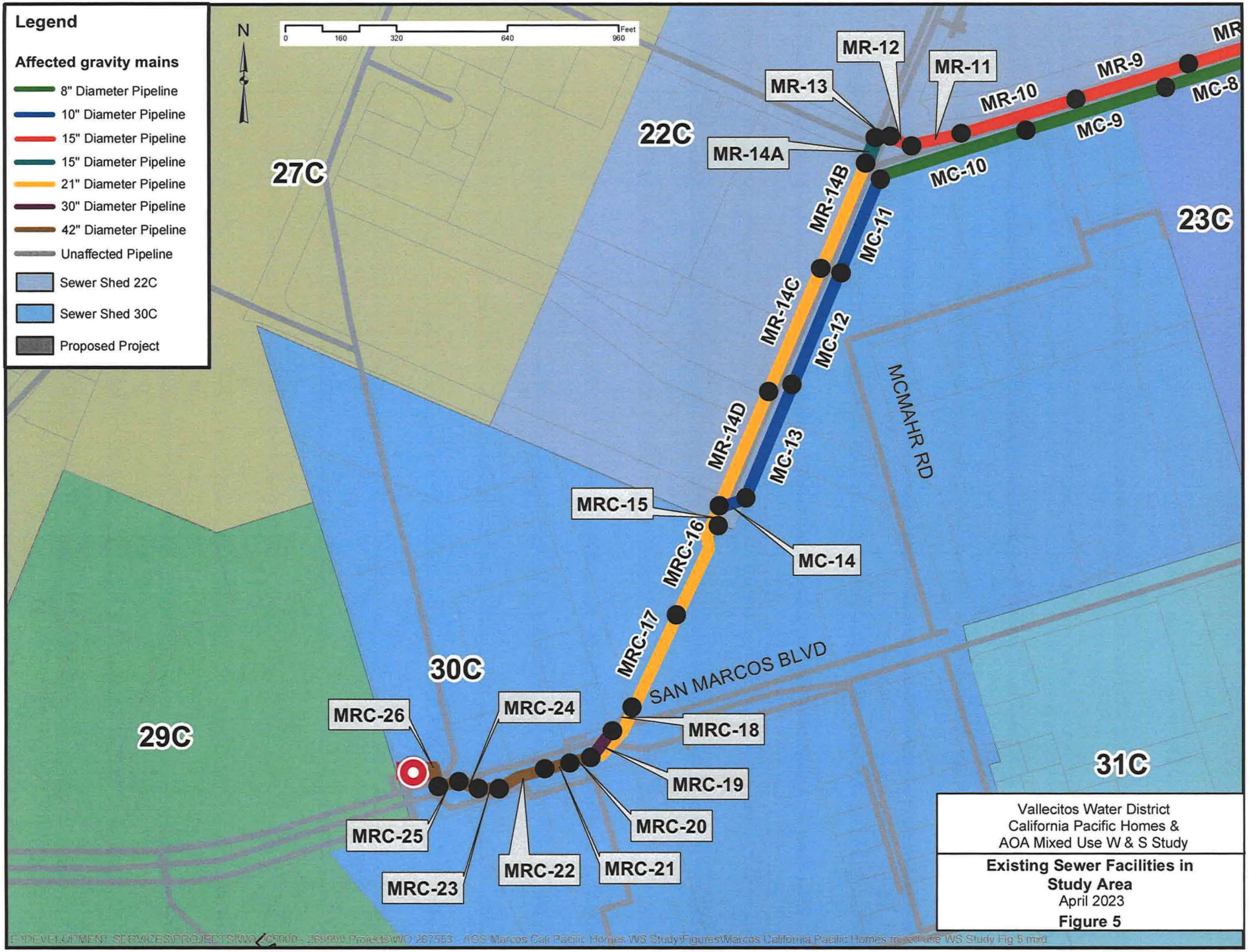
21" Diameter Pipeline
30" Diameter Pipeline
42" Diameter Pipeline
Unaffected Pipeline
Sewer Shed 22C
Sewer Shed 30C
Proposed Project
21C
22C
30C
0
160
320
640
960
Feet
N
MARCOS CALIFORNIA PACIFIC HOMES
MR-1
MR-2
MR-3
MR-4
MR-5
MR-6
MR-7
MR-8
MR-9
MR-10
MR-11
MC-1
MC-2
MC-3
MC-4
MC-5
MC-6
MC-7
MC-8
MC-9
MC-10
Vallecitos Water District
California Pacific Homes & AOA
Mixed Use W & S Study
Existing Sewer Facilities in Study Area
April 2023
Figure 4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8" Diameter Pipeline
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15" Diameter Pipeline
21" Diameter Pipeline
30" Diameter Pipeline
42" Diameter Pipeline
Unaffected Pipeline
Sewer Shed 22C
Sewer Shed 30C
Proposed Project
N
0
160
320
640
960
Feet
MR-12
MR-11
MR-13
MR-10
MR-9
MR
MC-8
MC-9
22C
MR-14A
MC-10
27C
MR-14B
MC-11
23C
MR-14C
MC-12
MCMAHR RD
MR-14D
MC-13
MRC-15
MRC-16
MC-14
MRC-17
30C
SAN MARCOS BLVD
MRC-26
MRC-24
MRC-18
29C
MRC-19
31C
MRC-20
MRC-25
MRC-22
MRC-21
MRC-23
Vallecitos Water District
California Pacific Homes &
AOA Mixed Use W & S Study
Existing Sewer Facilities in
Study Area
April 2023
Figure 5
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Wastewater Collection System Analysis

The 2018 Master Plan outlines VWD's wastewater system design criteria which are as follows:

Wastewater Collection Infrastructure Criteria

The wastewater pipeline criteria to be met both within and downstream of the development are as follows:

- Pipes 12 inches in diameter and smaller: ½ full maximum at peak flow
- Pipes over 12 inches in diameter: ¾ full maximum at peak flow
- Minimum velocity: 2 feet per second
- Maximum velocity: 10 feet per second
- Manning's n for gravity pipes: .013
- Hazen-Williams C-factor for force mains/siphons: 120
- Slope for pipes 8 inches in diameter and smaller: 0.4% minimum
- Slope for pipes over 8 inches in diameter: to be determined by VWD

When flow depth in gravity pipes exceeds maximum levels as stated above, a pipe upsize will be specified.

Wastewater Model Scenarios

The following scenarios were modeled to identify system impacts that may be created by the proposed sewer generation, and to recommend any improvements required to provide service to the Project:

- Average Dry Weather Flow with existing flows at the Project site
- Average Dry Weather Flow with the proposed Project
- Peak Dry Weather Flow with existing flows at the Project site
- Peak Dry Weather Flow with the proposed Project
- Peak Wet Weather Flow with existing flows at the Project site
- Peak Wet Weather Flow with the proposed Project

The peak dry weather curve is:

$$\text{Peak Dry Weather Factor} = 2.16 \times (\text{Average Dry Weather Flow Rate})^{-0.1618}$$

The wet weather peak curve is:

$$\text{Peak Wet Weather Factor} = 2.78 \times (\text{Average Dry Weather Flow Rate})^{-0.087}$$

Wastewater Model Results

Modeling focused not only on the sewer collection infrastructure in the direct vicinity of the Project, but also on all downstream infrastructure from the development to Lift Station No. 1 on San Marcos Boulevard that would be impacted by the proposed Project flows (see Figures 3 - 5).

Table 5 presents a summary of the modeling results from this analysis. The modeling results showed that no deficiencies were identified under the currently approved density under peak wet weather flows during ultimate build-out conditions.

Table 5 -California Pacific & AOA Wastewater Model Results and Recommended Gravity Main Improvements

				Wastewater Flows with Existing Density				Wastewater Flows with Proposed Density			
Pipe ID Number	Length (ft)	Diameter (in)	Slope	Peak Wet Weather Flow (gpm)	PWWF Depth-to-Diamter Ratio	Replacement Diamater (in)	Replacement PWWF Depth-to-Diamater Ratio	Peak Wet Weather Flow (gpm)	PWWF Depth-to-Diamter Ratio	Replacement Diameter (In)	Replacement PWWF Depth-to-Diamater Ratio
MR-1	241	15	0.003	662	0.46	-	-	709	0.47	-	-
MR-2	187	15	0.004	668	0.42	-	-	715	0.44	-	-
MR-3	135	15	0.006	670	0.38	-	-	717	0.39	-	-
MR-4	355	15	0.005	672	0.40	-	-	719	0.41	-	-
MR-5	254	15	0.005	674	0.40	-	-	721	0.41	-	-
MR-6	32	15	0.007	676	0.37	-	-	723	0.38	-	-
MR-7	345	15	0.004	678	0.43	-	-	725	0.44		-
MR-8	341	15	0.004	680	0.43	-	-	727	0.44	-	-
MR-9	345	15	0.004	682	0.43	-	-	729	0.44	-	-
MR-10	346	15	0.004	685	0.43	-	-	732	0.44	-	-
MR-11	149	15	0.005	687	0.40	-	-	734	0.42	-	-
MR-12	78	15	0.010	689	0.34	-	-	736	0.35	-	-
MR-13	8	15	0.055	689	0.22	-	-	736	0.23		-
MR-14A	13	18	0.008	2,885.00	0.61	-	-	2,932	0.62	-	-
MR-14B	385	21	0.005	3,401.00	0.61		-	3,448	0.61	-	-
MR-14C	312	21	0.003	3,406.00	0.73	-	-	3,453	0.74	-	-
MR-14D	380	21	0.005	3,410.00	0.61	-	-	3,457	0.61	-	-

PIPE SEGMENTS MR-1 THROUGH MR-14D ARE THE FLOWS FROM THE RESIDENTIAL SIDE OF PROJECT

PROPOSED DENSITY RESIDENTIAL 47 **GPM**

Table 5 -California Pacific & AOA Wastewater Model Results and Recommended Gravity Main Improvements

				Wastewater Flows with Existing Density				Wastewater Flows with Proposed Density			
Pipe ID Number	Length (ft)	Diameter (in)	Slope	Peak Wet Weather Flow (gpm)	PWWF Depth-to-Diamter Ratio	Replacement Diamater (in)	Replacement PWWF Depth-to-Diamater Ratio	Peak Wet Weather Flow (gpm)	PWWF Depth-to-Diamter Ratio	Replacement Diameter (In)	Replacement PWWF Depth-to-Diamater Ratio
MC-1	210	8	0.003	5	0.10	-	-	10	0.13	-	-
MC-2	314	8	0.003	17	0.17	-	-	22	0.19	-	-
MC-3	350	8	0.006	22	0.16	-	-	27	0.18	-	-
MC-4	300	8	0.003	26	0.20	-	-	31	0.22	-	-
MC-5	216	8	0.005	98	0.35	-	-	103	0.36	-	-
MC-6	211	8	0.005	100	0.35	-	-	105	0.36	-	-
MC-7	126	8	0.005	105	0.36	-	-	110	0.37	-	-
MC-8	273	8	0.005	110	0.37	-	-	115	0.38	-	-
MC-9	425	8	0.005	118	0.39	-	-	123	0.39	-	-
MC-10	475	8	0.005	121	0.39	-	-	126	0.40	-	-
MC-11	256	10	0.004	248	0.44	-	-	253	0.40	-	-
MC-12	417	10	0.004	250	0.45	-	-	255	0.45	-	-
MC-13	403	10	0.004	252	0.45	-	-	257	0.45	-	-
MC-14	10	10	0.06	255	0.22	-	-	260	0.23	-	-

PIPE SEGMENTS MC-1 THROUGH MC-14 ARE THE FLOWS FROM THE MIXED-USE SIDE OF PROJECT

PROPOSED DENSITY MIXED-USE: 6 **GPM**

Table 5 -California Pacific & AOA Wastewater Model Results and Recommended Gravity Main Improvements

				Wastewater Flows with Existing Density				Wastewater Flows with Proposed Density			
Pipe ID Number	Length (ft)	Diameter (in)	Slope	Peak Wet Weather Flow (gpm)	PWWF Depth-to-Diamter Ratio	Replacement Diamater (in)	Replacement PWWF Depth-to-Diamater Ratio	Peak Wet Weather Flow (gpm)	PWWF Depth-to-Diamter Ratio	Replacement Diameter (In)	Replacement PWWF Depth-to-Diamater Ratio
MRC-15	33	21	0.018	6978	0.64	-	-	7,031	0.64	-	-
MRC-16	297	21	0.005	3680	0.64	-	-	3,733	0.65	-	-
MRC-17	295	21	0.006	3682	0.60	-	-	3,735	0.61	-	-
MRC-18	112	21	0.014	3687	0.47	-	-	3,740	0.47	-	-
MRC-19	15	30	0.047	4182	0.22	-	-	4,235	0.22	-	-
MRC-20	25	42	0.013	13934	0.36	-	-	13,987	0.36	-	-
MRC-21	75	42	0.002	13934	0.62	-	-	13,987	0.62	-	-
MRC-22	347	42	0.002	13943	0.62	-	-	13,996	0.62	-	-
MRC-23	18	42	0.003	13945	0.54	-	-	13,998	0.54	-	-
MRC-24	10	42	0.034	13946	0.28	-	-	13,999	0.28	-	-
MRC-25	10	42	0.010	14139	0.39	-	-	14,192	0.39	-	-
MRC-26	73	42	0.004	14712	0.51	-	-	14,765	0.52	-	-

PIPE SEGMENTS MRC-15 THROUGH MRC-26 ARE THE FLOWS FROM THE ENTIRE PROJECT BOTH RESIDENTIAL & MIXED-USE

PROPOSED DENSITY RESIDENTIAL & MIXED-USE: **53** **GPM**

Wastewater Lift Station Analysis

Lift stations are sized for peak wet weather flow with manufacturer's recommended cycling times for pumping equipment. Since the proposed Project is not located in a sewer shed that is served by a lift station, there are no lift station upgrade requirements for this project.

Parallel Land Outfall Analysis

VWD's existing land outfall is shown in Figure 6. The outfall is approximately 8 miles in length and consists of 4 gravity pipeline sections and 3 siphon sections varying in diameter from 20 inches to 54 inches. VWD maintains the entire pipeline from Lift Station No. 1 to the Encina Water Pollution Control Facility (EWPCF). From Lift Station No. 1 to El Camino Real, VWD is the sole user of this pipeline. From El Camino Real to the EWPCF, the ownership capacity is as shown in Table 6 below:

Table 6 – Land Outfall Capacity Ownership by Agency

Agency	Ownership Percentage	Capacity (MGD)
Carlsbad	23.98%	5.00
Vista	17.99%	3.75
VWD	58.03%	12.10
Totals	**100.00%**	**20.85**

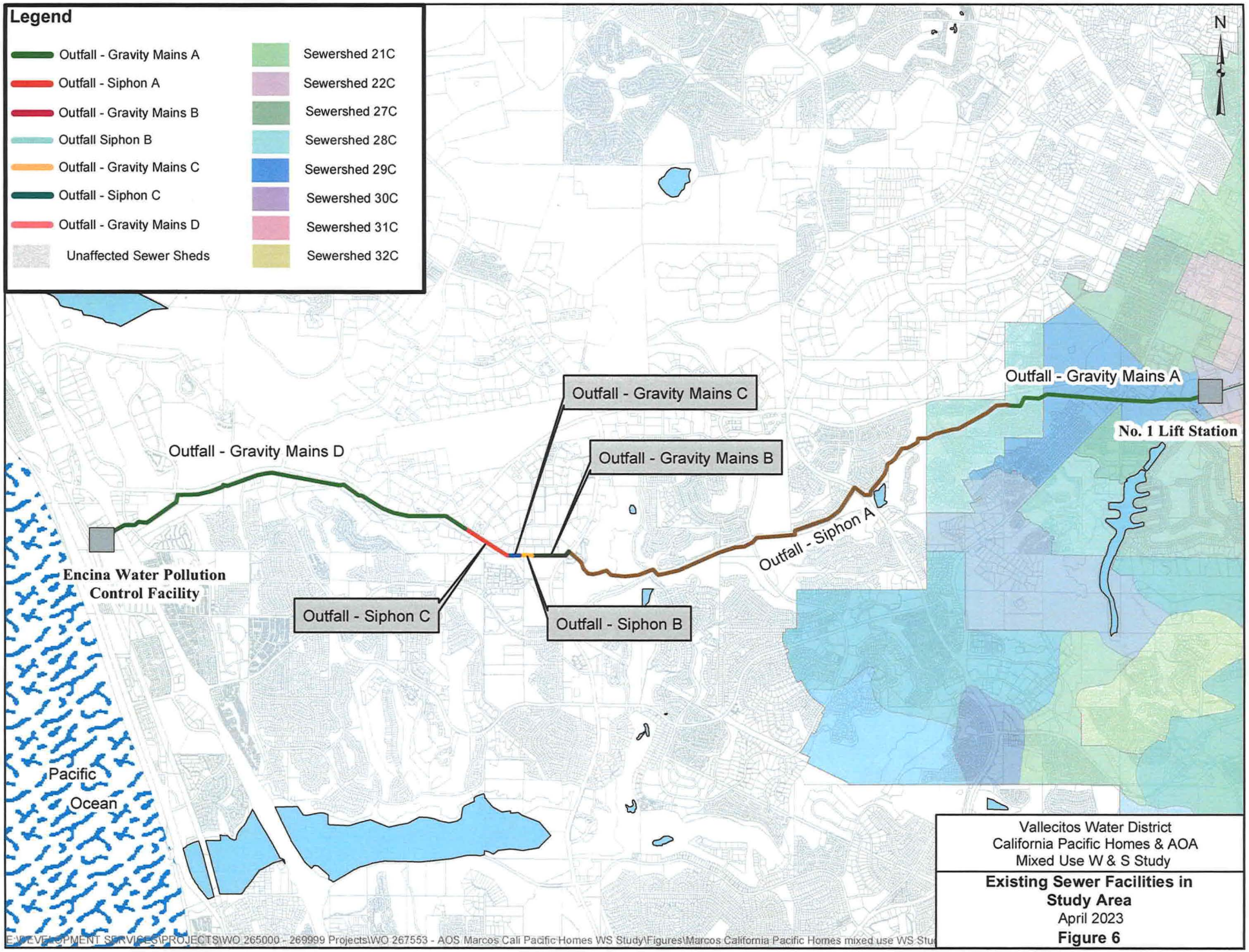
The Meadowlark Water Reclamation Facility (MRF) has a capacity of 5.0 MGD with a peak wet weather capacity of 8.0 MGD. Therefore, VWD has a combined peak wet weather wastewater collection capacity of 20.10 MGD (12.10 MGD + 8.0 MGD).

VWD's 2014 average daily wastewater flow through the land outfall was 7.5 MGD. This corresponds to a peak wet weather flow of 17.5 MGD, which falls within VWD's combined peak wet weather collection capacity.

The 2018 Master Plan estimated that, under approved land uses, VWD has an ultimate build-out average dry weather flow of 14.4 MGD. This corresponds to a peak wet weather flow of 31.7 MGD, which exceeds VWD's combined peak wet weather collection capacity. To accommodate additional wastewater flows from planned development, the 2018 Master Plan recommended conveyance of peak flows to the EWPCF through a parallel land outfall.

The Project proposes to generate **21,097** gallons per day of additional average wastewater flow that was not accounted for in the Land Outfall's capacity studied in the 2018 Master Plan.

The analysis finds that outfall capacity is currently available to serve the Project's proposed wastewater generation. Wastewater Capital Facility Fees paid by this Project will be used toward design and construction of a parallel land outfall to be sized to accommodate ultimate build-out wastewater flows.


Legend
Outfall - Gravity Mains A
Outfall - Siphon A
Outfall - Gravity Mains B
Outfall Siphon B
Outfall - Gravity Mains C
Outfall - Siphon C
Outfall - Gravity Mains D
Unaffected Sewer Sheds
Sewershed 21C
Sewershed 22C
Sewershed 27C
Sewershed 28C
Sewershed 29C
Sewershed 30C
Sewershed 31C
Sewershed 32C
N
Outfall - Gravity Mains A
No. 1 Lift Station
Outfall - Gravity Mains C
Outfall - Gravity Mains B
Outfall - Gravity Mains D
Outfall - Siphon A
Encina Water Pollution Control Facility
Outfall - Siphon C
Outfall - Siphon B
Pacific Ocean
Vallecitos Water District
California Pacific Homes & AOA
Mixed Use W & S Study
Existing Sewer Facilities in Study Area
April 2023
Figure 6
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Wastewater Treatment Facility Analysis

VWD utilizes two wastewater treatment facilities to treat wastewater collected within its sewer service area.

- The Meadowlark Reclamation Facility (MRF) has liquids treatment capacity of up to 5.0 MGD with a peak wet weather capacity of 8.0 MGD. MRF does not have solids treatment capacity, and therefore all solids are treated at the Encina Water Pollution Control Facility (EWPCF).
- The EWPCF is located in the City of Carlsbad. This is a regional facility with treatment capacity of up to 40.51 MGD. VWD's current ownership capacity is noted below.

Solids Treatment Capacity
VWD currently owns 10.47 MGD of solids treatment capacity at EWPCF. VWD's 2014 average daily wastewater flow was 7.5 MGD. Therefore, the analysis finds that adequate solids treatment capacity exists at this time to serve the Project.

The ultimate average wastewater flow identified in the 2018 Master Plan is 14.4 MGD, resulting in a projected solids treatment capacity deficiency of 3.93 MGD. Wastewater Capital Facility Fees paid by this Project will be used towards the deficiency to accommodate the solid treatment capacity wastewater flow.

Liquids Treatment Capacity
VWD currently owns 7.67 MGD of liquids treatment capacity at the EWPCF in addition to the liquid's treatment capacity of 5.0 MGD at MRF for a total of 12.67 MGD of liquids treatment capacity. VWD's 2014 average daily wastewater flow was 7.5 MGD. Therefore, the analysis finds that adequate liquids treatment capacity exists at this time to serve the Project.

The ultimate average wastewater flow identified in the 2018 Master Plan is 14.4 MGD, resulting in a projected liquids treatment capacity deficiency of 1.73 MGD. Wastewater Capital Facility Fees paid by this Project will be used towards the deficiency to accommodate the ultimate average wastewater flow.

Ocean Disposal Capacity
VWD currently owns 10.47 MGD of ocean disposal capacity at the EWPCF. VWD's 2014 average daily wastewater flow was 7.5 MGD. Therefore, the analysis finds that adequate ocean disposal capacity exists at this time to serve the Project.

The ultimate average wastewater flow identified in the 2018 Master Plan is 14.4 MGD, resulting in an ocean disposal deficiency of 3.93 MGD. Wastewater Capital Facility Fees paid by this Project will be used towards the deficiency to accommodate the ocean disposal wastewater flow.

The District has determined that adequate wastewater treatment and disposal capacity exists for the proposed Project at this time subject to the qualifications referenced in the Conclusions and Conditions.

CONCLUSION AND CONDITIONS

The proposed California Pacific Homes & AOA Mixed-Use Project is expected to increase average daily water demands by 28,967 gallons per day and wastewater flows by 21,097 gallons per day over the ultimate flows projected in the 2018 Master Plan.

The study concludes that the proposed development will result in the following impacts:

- An increase of 28,967 gallons per day in water demand for proposed project.
- An increase of 144,895 gallons of potable water storage requirement.
- An increase of 21,097 gallons per day in solids handling, liquids handling and ocean disposal capacity requirements at Encina Water Pollution Control Facility.
- An increase of 21,097 gallons per day in the parallel land outfall's capacity requirement.

The following conditions are required for providing service to the proposed Project:

- Payment of all applicable Water and Wastewater Capital Facility Fees in affect at the time service is committed in accordance with District rules and regulations.
- Construction and Board acceptance of all on-site and off-site water and sewer facilities prior to service.

The District currently has water and sewer capacity available to serve the Project as proposed with the conditions herein addressed by the Developer. However, the ability to provide water and sewer service in the future depends upon ultimate build-out of the Project and could change depending upon the timing of the build-out, as well as build-outs of other development projects, continued reliable water supplies from the San Diego County Water Authority, the District's treatment capacity at the EWPCF and other factors affecting growth in the District which may change over time.

This Study is based on the current adopted land use utilized in VWD's 2018 Master Plan. The study addresses the incremental facility impacts of this Project only and does not include or consider any additional projects within VWD's service area that have deviated from adopted Master Plan land uses. Any land use changes upstream and/or downstream of the Study area may necessitate a revision of any onsite and offsite studies. VWD shall determine if and when revisions to the Study are necessary. Costs for revising this Study shall be borne by the Developer. The results of this study are not the accepted conditions for the development, final conditions shall be part of the construction agreement process or issued separately by the District.